



AUGUSTA
UNIVERSITY

2025-2026 Catalog



Welcome to the AU Catalog

The Augusta University Catalog is the official source for academic programs and courses. Students are encouraged to utilize the catalog in planning their path to graduation.

Augusta University provides an experience like no other: a world-class academic and social community that is inclusive, diverse, and positions students for opportunity and success. What is education for? At Augusta University, it's for you—a tool you can use to build the life you've always imagined, or a space for you to figure out what you want to learn, to do, and to become. You can develop your skills and expertise here and carry it with you after graduation.



Study What You Love

Whatever you hope to do, Augusta University has a program to suit your needs and support your ambitions. As a designated center of medical, dental, and health sciences excellence, we prepare the next generation of medical researchers and health care providers. And as a thriving comprehensive research university, we offer more than 150 areas of study—in biological sciences, business, cybersecurity, kinesiology, graphic design, and much more.

Website URLs

Website URLs listed in the Catalog are provided for reference purposes only. Please note that URLs are not routinely updated with each publication of the Catalog and may change over time. For the most current information, please visit the university's official website at augusta.edu or contact the relevant department directly.

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Section II: Academic Calendar

This calendar was published in July 2025. For the most current information or any updates, visit the online Academic Calendar at augusta.edu/registrar/academiccalendar.

Fall 2025

	Fall 2025 Full Term	Fall 2025 Part of Term (1st 8 Weeks)	Fall 2025 Part of Term (2nd 8 Weeks)
Registration	March 17-20	March 17-20	March 17-20
Classes Begin	August 11	August 11	October 7
Add/Drop	August 11-15	August 11-15	October 7-8
Holiday – Labor Day (No Classes)	September 1	September 1	
Last Day to Withdraw without Academic Penalty	October 6	September 8	November 5
Fall Pause (No Classes)	October 9-10		October 9-10
Priority Registration for Spring 2026	October 16-17	October 16-17	October 16-17
Registration for Spring 2026	October 20-22	October 20-22	October 20-22
Holiday – Thanksgiving (No Classes)	November 26-28		November 26-28
Last Day of Classes	December 1	October 6	December 9
Reading Day	December 2		December 5
Final Exams	December 3-9		
Commencement	December 10-11	December 10-11	December 10-11

Spring 2026

	Spring 2026 Full Term	Spring 2026 Part of Term (1st 8 Weeks)	Spring 2026 Part of Term (2nd 8 Weeks)
Classes Begin	January 5	January 5	March 3
Add/Drop	January 5-9	January 5-9	March 3-4
Holiday – MLK Jr. (No Classes)	January 19	January 19	
Last Day to Withdraw without Academic Penalty	March 3	February 2	April 1
Spring Pause (No Classes)	March 5-6		March 5-6
Priority Registration for Summer & Fall 2026	March 12-13	March 12-13	March 12-13
Registration for Summer & Fall 2026	March 16-18	March 16-18	March 16-18
Spring Break (No Classes)	April 6-10		April 6-10
Last Day of Classes	April 29	March 2	May 7
Reading Day	April 30		
Final Exams	May 1-7		
Commencement	May 7-8	May 7-8	May 7-8

Summer 2026

	Summer 2026 Full Term (10 Weeks)	Summer 2026 Full Term (11 Weeks)	Summer 2026 (1 st 5 Weeks)	Summer 2026 (2 nd 5 Weeks)	Summer 2026 (7.5 Weeks)
Classes Begin	May 18	May 11	May 18	June 26	May 18
Add/Drop	May 18-19	May 11-12	May 18-19	June 26-29	May 18-19
Holiday – Memorial Day (No Classes)	May 25	May 25	May 25		May 25
Holiday – Juneteenth (No Classes)	June 19	June 19	June 19		June 19
Last Day to Receive W	June 23	June 22		July 15	June 15
Holiday – Independence Day (No Classes)	July 3	July 3		July 3	July 3
Last Day of Class	July 23	July 31	June 18	July 29	July 10
Reading Day	July 24			July 30	
Final Exams	July 27-28		June 22-23		July 13-14
Graduation*	August 5	August 5	August 5	August 5	August 5

**There is no summer commencement ceremony. If students who finish in the summer submit a graduation application on time by the posted deadline, students will be invited to participate in the fall commencement ceremony.*

Section III: Introduction to the University

President's Welcome

Dear Students,

Welcome to Augusta University! It's an honor to welcome you to this incredible community. We are deeply committed to your well-being and academic progress. You are not just joining a university, you are now part of a family that cares about your success, your growth, and your future.

Our university is growing in extraordinary ways. Over the past year, we have celebrated remarkable milestones – record enrollment, groundbreaking research, and new facilities that will help shape the future of healthcare, innovation, and education in Georgia and beyond.

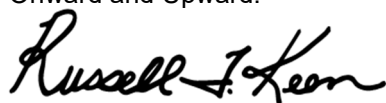
Augusta University has an unwavering focus on three key areas: research, student success, and community engagement. As the state's designated health sciences university, research here leads to discoveries that change lives, and you will have the opportunity to work alongside faculty who are leaders in their fields. Your success is our priority, and our faculty and staff are here to support you every step of the way – both inside and outside the classroom. Through community engagement, you will build connections that extend beyond campus, using your talents to make a meaningful impact on the lives of others.

The friendships and connections you make here will shape your journey, and there will be plenty of opportunities for you to get involved – whether that be through clubs, student government, Greek life, or cheering for the Jaguars at athletic games. These moments will become memories you cherish for a lifetime.

As you explore all that Augusta University has to offer, we hope you discover what makes this place truly special – and that's you. Our students are the heart of everything we do. That spirit resonates in every corner of campus, from faculty who are deeply invested in your success to fellow students who lift each other up. That's the culture we have built here at Augusta University, and we are happy to welcome you into it.

We know that each and every one of you will not only leave your mark on Augusta University but on the world around you. We cannot wait to see all that you will accomplish.

Onward and Upward!



Russell T. Keen, EdD
President, Augusta University



Karen B. Keen
First Lady, Augusta University



augusta.edu/president

About Augusta University

Augusta University offers a unique experience that sets it apart. Our forward-thinking educational programs, high-impact research, patient-centered clinical expertise, and nationally recognized athletics create an unparalleled learning environment. As Georgia's designated health sciences university, we are committed to training the next generation of innovators, leaders, and healthcare providers.

With a rich history dating back to 1828, Augusta University is made up of 11 colleges and schools, including top-ranked business and nursing schools, the state's flagship public medical school, and Georgia's only dental school. Our state-of-the-art classroom and clinical facilities deliver academic excellence across a broad range of disciplines, blending arts, humanities, and health sciences.

Partnership campuses across the state and strategic alliances that stretch throughout the region provide exceptional learning and clinical opportunities in fields like cybersecurity, musical performance, and clinical practice. Our Riverfront Campus is home to the Georgia Cyber Innovation and Training Center, where we're preparing the next generation of cybersecurity professionals, offering hands-on experience and collaboration with government and industry partners, including Army Cyber Command based at Fort Gordon.

Our 11,000 students are taught, mentored, and inspired by over 1,900 dedicated faculty members, including prestigious scientists, clinicians, and scholars from around the world. Our extensive research portfolio offers students opportunities at both the graduate and undergraduate levels, with renowned faculty scientists leading groundbreaking research in areas like cancer, neuroscience, and personalized medicine.

Our outstanding student-athletes compete in NCAA intercollegiate sports and a range of intramural sports, with both our men's and women's golf teams competing at the NCAA Division 1 level, and our remaining 13 teams proudly representing Jaguar Nation in the Peach Belt Conference, one of the premier Division II athletic conferences in the country.

For more facts and figures on Augusta University, visit the Division of Institutional Effectiveness website at augusta.edu/ie/reporting.

Mission

Our mission is to provide leadership and excellence in teaching, discovery, clinical care, and service as a student-centered comprehensive research university and academic health center with a wide range of programs from learning assistance through postdoctoral studies.

Vision

Our vision is to be a top-tier university that is a destination of choice for education, health care, discovery, creativity, and innovation.

Accreditation

Augusta University is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) to award associate, baccalaureate, masters, educational specialist, first professional and doctorate degrees. Augusta University also may offer credentials such as certificates and diplomas at approved degree levels. Questions about the accreditation of Augusta University may be directed in writing to the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, GA 30033-4097, by calling (404) 679-4500, or by using information available on SACSCOC's website (www.sacscoc.org).

Communication Requirement

All students at Augusta University are expected to check their JagMail e-mail accounts daily for important university announcements and other pertinent information. Students are also expected to update their own contact information in Banner.

Legal Notices

The statements set forth in this catalog are for informational purposes only and should not be construed as the basis of a contract between a student and this institution.

While the provisions of the catalog will ordinarily be applied as stated, Augusta University reserves the right to change any provision listed in this catalog, including but not limited to academic requirements for graduation, without actual notice to individual students. Reasonable effort will be made to keep students advised of any such changes. Information on changes will be available in the offices of the president, academic deans, and enrollment and student affairs. It is especially important that students note that it is their responsibility to keep themselves apprised of current graduation requirements for their particular degree program.

Limitation on Institutional Liability

In the event that an administrative hearing officer or a court of record determines that "publications" issued by the institution create a contractual or quasi-contractual relationship with any person, the number of damages recoverable by the parties shall be limited to the amount of consideration paid by the person for the privilege of admission, enrollment, continued enrollment or other service rendered by the institution to such person. As used herein, the term "publications" (without limiting the generality of the normal meaning of the term) shall be deemed to include any and all written or electronic forms or other documents issued by the institution concerning applications for admission, enrollment or continued enrollment, waivers of liability, consents to medical treatment, dormitory occupancy and any and all other written forms, documents, letters or other materials issued by the university in furtherance of its educational mission.

Statement of Non-Discrimination

Augusta University is an affirmative action/equal opportunity educational institution in that no person shall on the grounds of sex/gender, race/ethnicity, color, creed, religion, age, national origin, sexual orientation, veteran's status, handicap, or any other category protected by law be excluded from participation in or be otherwise subjected to discrimination in any educational program, activity, or facility.

Augusta University is committed to an effective affirmative action policy. Augusta University strives to recruit, admit, and educate a cross-section of qualified men and women representing the socio-economic, racial, and cultural diversity of Georgia. This commitment is in keeping with our moral, legal, and social responsibility and with the highest ideals and principles of American higher education.

Accessibility to Disabled Persons

Augusta University's physical facilities and institutional programs have been modified in accordance with federal law and regulations to allow equally effective access by disabled persons. Structural changes, such as adaptations to public restrooms and construction of ramps and curb cuts, have been made to improve accessibility. Special services may be made available on a reasonable basis in accordance with reported needs of individual disabled students.

In accordance with Section 504 of the Rehabilitation Act of 1973 and The Americans With Disabilities Act, it is the policy of Augusta University to ensure that all students with disabilities are afforded equal opportunity and access to programs and facilities. Students are encouraged to identify their disability so that the medical college can determine what reasonable accommodation may be made.

Copyright Information

Notwithstanding any language to the contrary, nothing contained herein constitutes nor is intended to constitute an offer, inducement, promise or contract of any kind. The data contained herein is for informational purposes only and is not represented to be error free. Any links to non-Augusta University information are provided as a courtesy. They are not intended to nor do they constitute an endorsement by Augusta University of the linked materials.

The following information is provided pursuant to 17 U.S.C. Sec. 512(c)(2) in order that you may have a resource of information regarding copyright law and guidelines for action should you believe that the Augusta University web site contains data that may in some way infringe copyright law.

- The Digital Millennium Copyright Act of 1998 - (PDF format)
- U.S. Copyright Office - General Guidelines About Copyright Law
- University System of Georgia, Regents Guide to Understanding Copyright and Fair Use
- Additional Resources for Copyright and Scholarly Communication

Section IV: What's New @ AU?

New Programs

New degrees and programs that appear for the first time in this Catalog include:

New Undergraduate Degree Programs

- Bachelor of Arts with a Major in Music and an Emphasis in Music Industry Studies
- Bachelor of Science with a Major in Health Services and a Concentration in Pre-Speech Language Pathology

New Graduate Degree Programs

- Doctor of Philosophy with a Major in Intelligence, Defense, and Cybersecurity Policy
- Master of Health Science in Speech-Language Pathology

New Accelerated/Dual Degrees

A dual degree program gives students the distinction of graduating with two degrees, usually in less time than it would take to earn each one individually.

- Accelerated Bachelor of Arts with a Major in Communication to Master of Arts in Intelligence and Security Studies with a Concentration in Social Influence
- Accelerated Bachelor of Arts with a Major in History to Master of Arts in Intelligence and Security Studies
- Accelerated Bachelor of Science with a Major in Cybersecurity Engineering to Master of Science in Computer Science
- Accelerated Bachelor of Science with a Major in Psychology to Master of Arts in Intelligence and Security Studies with a Concentration in Social Influence

New Certificate Programs

- Post-Master's Certificate in Educational Leadership - Tier Two Extended Track



Discontinued Programs

Discontinued degrees and programs include:

- Master of Science in Nursing with a Major in Clinical Nurse Leader Completion
- Master of Science in Nursing with a Major in Nursing
- Bachelor of Arts with a Major in English and a Concentration in Literature and an Integrated Master of Arts in Teaching
- Bachelor of Science with a Major in Biology and an Integrated Master of Arts in Teaching
- Bachelor of Science with a Major in Chemistry and an Integrated Master of Arts in Teaching
- Bachelor of Science with a Major in Mathematics and an Integrated Master of Arts in Teaching
- Bachelor of Science with a Major in Physics and an Integrated Master of Arts in Teaching
- Bachelor of Science with a Major in Health Promotion with a Concentration in Corporate and Community Wellness
- Bachelor of Science with a Major in Health Promotion with a Concentration in Health Education
- Post-Baccalaureate Certificate in Bioethics
- Certificate of Less than One Year in Cyber Crime

Course Prefixes

New Course Prefixes

- ADPD (Administrative Dentistry - Professional Development)
- ADSN (Administrative Dentistry - Special Needs)
- GDBC (General Dentistry – Bioclinical)
- GDBS (General Dentistry - Bioclinical Seminars)
- RSBC (Restorative Sciences – Bioclinical)
- RSCA (Restorative Sciences – Cariology)
- RSGD (Restorative Sciences - Geriatric Dentistry)
- SLPP (Speech-Language Pathology)
- SPMT (Sports Management)

Other

- Locations added to programs listed in the Catalog
- Program Pathways added to Academic Advisement website

On the Horizon

The following programs have been submitted for consideration and future approval:

Undergraduate Degree Programs

- Bachelor of Arts in World Languages with a Concentration in Translation
- Bachelor of Fine Arts with a Major in Animation
- Bachelor of Science in Information Technology with a Concentration in Cloud Operations
- Bachelor of Science in Nursing - RN to BSN (*reinstating*)
- Bachelor of Science with a Major in Biomedical Systems Engineering and a Concentration in Pre-Medicine
- Bachelor of Science with a Major in Psychology and a Concentration in Pre-Medicine
- Bachelor of Science with a Major in Public Health

Graduate Degree Programs

- Doctor of Medicine and Master of Science in Epidemiology dual degree
- Doctor of Philosophy in Chemistry
- Doctor of Philosophy in Psychology
- Master of Medical Science
- Master of Science in Clinical Dental Research
- Master of Science in Health Communications
- Master of Science in Oral Biology with a Concentration in Anatomical Sciences
- Master of Science in Public Health with a Concentration in Epidemiology

Certificate Programs

- Post-Baccalaureate Certificate in Computer Science Fundamentals
- Post-Baccalaureate Certificate in Cybersecurity Fundamentals
- Post-Baccalaureate Certificate in Nuclear Medicine Technology
- Post-Baccalaureate Certificate in Sports Media

Dual Degree Programs

- Doctor of Medicine and Master of Clinical and Translational Science

Section V: Admissions Information

Augusta University offers the unique advantages of outstanding academic programs, a convenient location, flexible class scheduling, and very affordable cost. Our faculty members truly enjoy teaching and sincerely endeavor to assist all students in obtaining their educational goals. We invite students to learn more about the various benefits and opportunities at Augusta University by visiting the campus. Admissions Office hours are from 8 a.m. to 5 p.m., Monday-Friday. Tour reservations and other admissions information are available by visiting augusta.edu/admissions.

Undergraduate Admissions Information

Undergraduate Admission Requirements for transfer students seeking program admission to the College of Allied Health Sciences and the College of Nursing

Admission requirements and application procedures, including information pertaining to application forms, personal interviews and pre-entrance testing are listed on each college's website.

Undergraduate Admission Requirements for freshmen and transfer students seeking program admission to all other Augusta University colleges

Undergraduate Admission Requirements for Freshmen and transfer students seeking admission to all other Augusta University colleges is provided below.

Application Procedure

To seek admission to the university, a student must file an official application for admission with the Office of Undergraduate Admissions. Students can access applications online at augusta.edu/admissions/apply, or first-year applicants can apply at commonapp.org/explore/augusta-university.

The application and all supporting documents should be received by the Admissions Office prior to the application deadline. A non-refundable application fee must accompany the application (except for students applying to participate in the Dual Enrollment program at AU). An applicant who wishes to change their semester of enrollment may be required to reapply online and submit another fee.

Because additional time is required for processing, international student applicants should apply at least 90 days prior to the beginning of the desired semester.

Students who do not register in the semester for which they are admitted and wish to attend a later semester should contact the Office of Undergraduate Admissions and may have to reapply for admission online. All supporting documents will be transferred to the new file. If one year has expired since the initial application, the student will have to reapply and may have to re-submit supporting documents.

Required Documents

It is the responsibility of the applicant to request that official documents required for admission be sent to the Office of Undergraduate Admissions. Documents that have been faxed or that have been opened by the applicant, such as student copy transcripts or letters, grade reports, diplomas, or graduation lists, are not official. The documents must remain in the original, unopened, sealed and stamped/signed envelope from the Registrar's Office of the issuing institution. These documents become a part of the applicant's permanent record and will not be returned. Documents received by the University are the property of AU and will not be shared. Applicants are considered for admission once all required documents have been received. Notification of acceptance is through the student's online admission portal. The Office of Undergraduate Admissions requires the following:

- **Official Application:** A candidate seeking admission must submit an official application for admission and pay a non-refundable application fee prior to the specified deadline. An application may be obtained online at augusta.edu/admissions or at commonapp.org/explore/augusta-university. An incomplete application will cause delay in a decision.
- **Application Fee (Non-refundable):** The application fee may be waived for new freshman applicants who provide an approved ACT, College Board, or NACAC fee waiver form. Students applying for the Dual Enrollment program do not have to pay an application fee.
- **Official Transcript(s):** A freshman candidate should ask their high school counseling department to send an official copy of the secondary school record. A transfer candidate should ask the Registrar from each college attended to send an official transcript of grades (a separate transcript from each college attended is required). Official documents must be received by the Office of Undergraduate Admissions before the acceptance is final.
- **Scholastic Aptitude Test (SAT) or the American College Testing Program (ACT) Scores:** A freshman candidate is required to submit SAT or ACT scores. A transfer candidate who has earned fewer than 30 semester hours (45 quarter hours) of transferable credit must also submit SAT or ACT scores. To be considered official, test scores should come directly from the testing agency.

Freshman Admissions Requirements

Every applicant for freshman admission must be a high school graduate from a high school accredited by an accepted accrediting body or the Georgia Accrediting Commission, the Georgia Private School Accrediting Commission, or from a public school regulated by a school system and the State Department of Education. High school students who receive a "Certificate of Attendance" do not satisfy the graduation requirements. In addition, the applicant must have completed the Required High School Curriculum (RHSC) in high school. The required 17 RHSC units are listed below:

- English: 4 units required
- Mathematics: 4 units required
- Science: 4 units required
- Social Science: 3 units required; including one course focusing on world studies
- Foreign Language: The same foreign language, 2 units required

Specifics about courses that meet these requirements can be found at https://www.usg.edu/student_affairs/assets/student_affairs/documents/Staying_on_Course.pdf.

In the determination of eligibility for freshmen admissions, the most important consideration is the Freshman Index (FI). The Freshman Index is determined by a formula which uses two variables: the high school average computed on academic courses by the Office of Undergraduate Admissions and the SAT or ACT scores. The following formula is used to compute the SAT Freshman Index:

- **Using SAT Scores:** $FI = 500 \times (\text{High School GPA}) + 1.06 \times (\text{SAT Evidence-Based Reading \& Writing section score} + \text{SAT Math section score})$
- **Using ACT Scores:** $FI = 500 \times (\text{High School GPA}) + (\text{ACT Composite} \times 42) + 88$

Applicants who achieve at least a 2500 FI score and who meet the minimum high school course requirements and test score requirements will automatically be offered admission. Applicants who meet the minimum high school course requirements but have less than a 2500 FI score may be offered a place in our summer bridge program (Jaguar Jumpstart) but applications will be reviewed on an individual basis.

Home-Schooled Freshmen

University System of Georgia policy dictates that in addition to SAT or ACT scores and Freshman Index, students must present seventeen specific Required High School Curriculum units or RHSCs to be accepted to a state university. (See prevailing regular freshman admission standards for specific details,

above.) These units must be completed in high schools that have been accredited by an accepted accrediting body (such as SACS) or the Georgia Accrediting Commission, the Georgia Private School Accrediting Commission, or from a public high school regulated by a school system and the State Department of Education.

For students who have completed their RHSCs in a home schooled program or secondary school that is not accredited by an accepted accredited body, five options are available to validate RHSC units in a specific area including SAT or ACT scores (480 EBRW or 17 English/Reading for English and 440 Math or 17 Math for Math), SAT subject tests, CLEP or DSST scores, exemption from learning support, or other comparable examinations. More information is located on USG's policy 3.1.1.1.

Augusta University recognizes that most home-schooled students are amply prepared for college work. For more information on Augusta University's Home School admission policies, please contact the Office of Undergraduate Admissions.

Life Enrichment Student Admissions Requirements

A life enrichment applicant is one who submits a completed application, has graduated from high school or earned an equivalent, whose high school class graduated at least five years ago, and has earned no more than 30 transferable semester hours (45 quarter hours) of college credit. Although neither the American College Test (ACT) nor the Scholastic Aptitude Test (SAT) is required of Life Enrichment applicants, the Accuplacer examination will be required for admission consideration. If Life Enrichment students can provide official SAT (≥ 480 SAT EBRW and 440 SAT Math or ≥ 17 ACT English/Reading and 17 ACT Math) from a test administration within the past 7 years, the Accuplacer exams may be waived.

Dual Enrollment for High School Students

Augusta University is committed to providing opportunities to high school students allowing for the enhancement of their high school curriculum through the availability of college offerings prior to high school graduation.

Dual Enrollment

Dual Enrollment provides opportunities for high school juniors and seniors to enroll full time in postsecondary institutions to earn both high school and college credits simultaneously. To participate, a student must be enrolled in a public or private secondary high school that is regulated by a school system and state department of education or accredited by one of the following:

- An accepted accrediting body (such as the Southern Association of Colleges and Schools)
- The Georgia Accrediting Commission
- The Georgia Private School Accrediting Council (GAPSAC)

Home-Schooled Students

Home-schooled students may be considered for dual enrollment if they are enrolled in Non-traditional Educational Centers that are recognized by GAPSAC or by state departments of education. Students attending home school programs or high schools not accredited by an accepted accrediting body may also be eligible to participate if they meet all general admission requirements and have validated their on-track Required High School Curriculum (RHSC) units.

General Admission Requirements

Dual Enrollment and Joint Enrollment:

- Minimum score of 1080 (with at least a 480 Evidence-Based Reading and Writing score and at least a 440 Math score).
- Minimum cumulative high school grade point average of 3.4 as calculated by the institution for admission purposes.

- Dual Enrollment Participation Agreement and funding form with approval from the high school counselor or administrator and the parent or guardian. Evidence in the transcript that student is on track towards the completion of the USG RHSC requirements and high school graduation.

Acceptance of Transfer Credit for Dual Enrollment

Freshman seeking admission to a USG institution can expect that the college credit earned at an accredited institution prior to high school graduation will be considered as transfer credit if the prospective student meets the USG institution's regular admission requirements.

Transfer Student Admissions Requirements

An applicant who has previously attended an institution accredited by an accepted accrediting body after graduating high school and who is not classified as a Life Enrichment student is considered a transfer student. Transfer students are divided into two categories as listed below:

- **Fewer than 30 transferable semester hours:** Meet prevailing freshman admissions requirements.
- **30 transferable semester hours:** Must have a 2.3 cumulative GPA or greater.

The transfer applicant whose only attendance has been at a technical college accredited by an accepted accrediting body in a "Non-College Transfer Program" is considered a freshman applicant and must satisfy freshman admission requirements.

Evaluation of Transfer Credit

An evaluation of accepted transferable credits is made by the Office of Undergraduate Admissions. A complete transfer evaluation report will be available in DegreeWorks/JagTrax once the student is accepted by the university and all official transcripts have been received from each college previously attended. The basic policy regarding the acceptance of courses by transfer is to allow credit for courses completed with satisfactory grades from an institution accredited by an accepted accrediting body, provided the courses correspond in content to courses offered at Augusta University. Additional validation will be required for courses taken at another institution that were previously completed with a penalty grade at Augusta University. In addition, credit earned at technical colleges accredited by an accepted accrediting body may not transfer unless the credit was earned in a designated college transfer program.

Advanced Placement Credit and Credit by Examination

Advanced Placement

A qualified student who has taken college-level work in secondary schools may receive academic credit. Examinations used to determine advanced placement are the Advanced Placement (AP) test of the College Entrance Examination Board and The Achievement Tests in English Composition and intermediate Mathematics (Level 1). A final determination of credit is made after results have been evaluated by the university.

Credit by Examination

College credits are traditionally earned through attendance in scheduled classes. However, some courses allow credit by examination. A student currently enrolled who presents satisfactory evidence that they are qualified in a particular subject may receive credit for a course by an examination approved by the appropriate instructional department, or through the College Level Examination Program (CLEP).

Satisfactory evidence may be, but is not limited to, work experience, non-credit courses, course work taken at non-accredited institutions, or military courses. There is a \$25 per credit hour fee for credit by departmental examination.

Courses in which a student is or has been enrolled may not be challenged, and courses which require demonstrations and application of skills (practical, laboratory sciences, and courses requiring field work or performance, for example) may be challenged only with the permission of the chairperson of the department offering the course.

Credit by examination is listed as such on the transcript along with the course number, title, and hours of credit; however, no grade is assigned and the credit is not included in computing the Grade Point Average. Credit by examination is limited to 10 semester hours in a discipline and 30 semester hours in the university.

A current list of tests available for credit by examination for courses offered at Augusta University may be found on the Office of Undergraduate Admissions website at augusta.edu/admissions/credit-by-exam.

Prior Education and Training

In addition to acceptance of transfer credit from an institution accredited by an accepted accrediting body, Augusta University considers the ACE Guide transfer credit recommendations for military training that are appropriate degree preparation. For more information, see the Transfer Equivalency Guide (located on the drop-down menu under the Transfer Students on the undergraduate Admissions web page. In some instances, standardized examinations can be substituted for course requirements. For a list of examinations, subjects and minimum scores, select Credit by Examination. Currently, a student can receive no more than 30 total semester hours of credit by examination.

Visiting Student Admissions Requirements

A Visiting student, often called a Transient student, is a degree candidate at another institution who is granted the privilege of temporary enrollment at Augusta University. To apply for admission as a visiting student, applicants must:

1. Submit a completed application form and pay the non-refundable application fee.
2. Submit a letter of permission confirming good standing from the registrar of the college in which enrolled or matriculated. In addition, applicants are recommended to submit a transcript from their home institution in the event that Augusta University courses require prerequisites.

Applicants can be admitted to Augusta University as visiting students only if they are currently eligible for re-admission to their home institution. Please note: Visiting students must reapply for admissions and submit supporting documents for each semester of attendance.

Additional Degree Admissions Requirements

An Additional Degree applicant, often called a Post-Baccalaureate student, is classified as a student who has successfully completed a baccalaureate degree at an institution accredited by an accepted accrediting body and wishes to pursue a second undergraduate degree at Augusta University. To apply as an Additional Degree student, applicants must:

1. Submit a completed application form.
2. Submit official transcripts from all colleges attended.

Once the applicant has been accepted, a transfer evaluation of credit will be completed by the Office of Undergraduate Admissions for those courses that are pertinent to the desired program.

Non-Degree Admissions Requirements

A non-degree applicant is classified as a student interested in enrolling at Augusta University for credit without pursuing a college degree. The nondegree student may be a visiting student (see above), post-baccalaureate, postgraduate, or audit student. A candidate for this type of limited enrollment seeks instruction in particular courses for personal or professional purposes, or for completion of degree

requirements at another institution. Applicants holding a baccalaureate degree or graduate degree from an institution accredited by an accepted accrediting body and wishing to enroll in undergraduate courses as a non-degree student must request that an official transcript be sent to the admissions office from the college or university which awarded the highest degree.

Each applicant for admission as a non-degree student must:

1. Submit a completed application form.
2. Provide evidence of satisfactory past academic work at the secondary or post-secondary level.
3. Satisfy all other admission requirements as determined by the Office of Undergraduate Admissions.

Senior Citizens Admission Requirements

Georgia residents 62 years of age or older are eligible to enroll in units of the University System free of charge on a space available basis. Senior citizens from Aiken and Edgefield Counties qualify for the contiguous county tuition waiver and pay in-state tuition and fees. Senior citizens who pay tuition are not required to register on a space available basis.

Former Student Readmission Requirements

Students who have attended any other college or university since their last enrollment at Augusta University, regardless of how long they have been away from Augusta University, must re-apply through the Office of Undergraduate Admissions. In addition, they must provide the Office of Undergraduate Admissions with official transcripts of all college work attempted since their last enrollment in Augusta University and may be required to submit previously received transcripts. Failure to provide required transcripts may result in loss of credit or dismissal from Augusta University. Students who have not enrolled in Augusta University or attended any other college or university for three consecutive semesters must apply for readmission through the Office of Undergraduate Admissions using the online application process following the published deadlines.

International Students: Special Requirements

International students do not complete a separate application for admissions. Students who are not U.S. citizens or permanent residents should fully complete the sections on their applications indicating what kind of visa they currently hold or desire to solicit. If a student is offered admission to the university and seeks a student visa, these students must provide documented evidence of adequate financial support to meet educational and personal expenses, as requested by the International and Postdoctoral Services Office.

Non-native English-speaking applicants who completed secondary school outside the U.S. Secondary School System or who completed high school within the U.S. Secondary School System may be required to demonstrate English proficiency as part of the admission process. All methods of demonstrating English proficiency are noted at augusta.edu/admissions/international. These include, but are limited to, achieving minimum required scores on the TOEFL iBT exam, ILETS Academic exam, SAT exam, ACT exam. Students can also demonstrate proficiency by earning credit for College Composition I (ENGL 1101) or completing a USG campus-based ESL program.

All international, post-secondary transcripts must be forwarded to a credential evaluation agency for a "course by course" evaluation. Official evaluations (sent directly to Augusta University) are accepted from Josef Silny & Associates, Inc., World Education Services (WES) and Educational Credential Evaluators, Inc. (ECE). The official credential evaluation is required before an application for admissions can be processed.

Because additional processing time is required for international students, they should submit the application and all supporting documents at least 90 days prior to the desired semester of entrance. The

Certificate of Eligibility (Form I-20) cannot be forwarded to the student until an offer of acceptance has been extended from Augusta University.

Admission Decisions at Augusta University

Undergraduate applications to Augusta University are considered on an individual basis. After all required information has been received, the student will be notified electronically in the student's admission status portal. Although the University System of Georgia sets certain minimum standards for admission, the individual institutions retain the right to impose additional requirements. Accordingly, the university reserves the right to refuse admission to any applicant who, in its judgment, is not qualified to pursue work at Augusta University. Such a decision may be based on a variety of factors: social maturity, character, or intellectual potential as indicated by previous academic work and appropriate examinations.

Verification of Lawful Presence in Georgia and the United States Pursuant to Acceptance at Augusta University: In accordance with Board of Regents Policy 4.3.4, Augusta University verifies the lawful presence of every successfully admitted person applying for in-state resident tuition status, as defined in Section 7.3 of the Board of Regents Policy Manual.

Undergraduate Admissions Decision Notification

Undergraduate applicants will be notified by letter as to the conditions of acceptance. Students accepted on an unofficial or incomplete transcript must submit a final and official transcript before the admission is final. If this information has not been received by the day of registration, students may register on a conditional basis for one semester only. Registration for the succeeding semester will not be permitted unless the required document has been received. Under certain conditions, the university may release admissions decisions to high schools and colleges.

Graduate and Professional Admissions Information

Admission requirements and application procedures, including information pertaining to application forms, required documents, personal interviews and pre-entrance testing can be found through the links listed within each program's page of this catalog. The most up-to-date information can be obtained from the Office of Graduate Admissions Operations or online at augusta.edu/admissions.

Section VI: Financial Information

Financial Aid

The Office of Student Financial Aid (OSFA) is dedicated to providing guidance and assistance for students to help ease the financial burdens associated with their education. We strive to assist our students in funding their education while at Augusta University.

To receive federal and state financial aid, you must meet certain eligibility requirements which include but are not limited to such things as being a U.S. citizen or eligible non-citizen and maintaining Satisfactory Academic Progress. See augusta.edu/finaid/documents/standardssapnewrevf.pdf.

To apply for federal financial aid, students must complete the Free Application for Federal Student Aid (FAFSA) at studentaid.gov. To apply for state scholarship and grant programs, students must complete the Georgia Student Financial Aid Application System (GSFAPPS) at gafutures.org.

The financial aid application priority deadlines for each term are as follows:

- **Fall Semester – April 1**
- **Spring Semester - October 1**
- **Summer Semester - March 1**

Students are expected to submit all required applications and support documents on or before the published financial aid application priority deadlines for the chosen enrollment term. Failure to meet the priority deadline may result in incurring your own educational expenses until your financial aid file is complete and aid has been processed.

Augusta University offers a variety of institutional scholarships through one central scholarship system. Scholarships may be based on program of study, merit and/or financial need (as defined by the Department of Education). This system also provides access to external scholarship opportunities. The scholarship system can be accessed at augusta.edu/finaid/appliescholarships.

New Summer Students: For financial aid purposes, the summer semester is at the end of the award year. You must complete a FAFSA for both the current academic year and for the next academic year. Example: If enrolling at Augusta University during the Summer 2025 semester, you must complete both the 2024-2025 FAFSA (covers Fall 2024, Spring 2025, and Summer 2025) and the 2025-2026 FAFSA (covers Fall 2025, Spring 2026, and Summer 2026).

OSFA provides education funding from sources such as grants, scholarships, loans, and the federal work-study program. For further information, please refer to our website at augusta.edu/finaid or email osfa@augusta.edu.

Contact Information

Phone: 706-737-1524

Fax: 706-737-1777

Physical Address:

Office of Student Financial Aid
Summerville Campus - Fanning Hall
2500 Walton Way
Augusta, GA 30904

Mailing Address:

Office of Student Financial Aid
Summerville Campus – Fanning Hall
1120 15th Street
Augusta, GA 30912

Fee Payment and Refund Policy

Student Payment Options

Payment by WebCheck (no fee) or Credit Card directly on POUNCE. There is a 2.95% convenience fee charge for credit card payments.

Payment by check or money order mailed to:

Augusta University Business Office

Payne Hall 1st Floor
2500 Walton Way
Augusta, Georgia 30904

Payment can be made in POUNCE. To access, log in, then click "Student Account." When the new tab/window opens, click "Make Payment" to enter your payment information.

Payment must be received by the payment deadline as published on POUNCE and the Business Office website.

Payment in person by check, cash, or money order at the Business Office Monday through Friday.

Payment by electronic funds transfer directly from your banking institution. Please contact the Business Office 706-737-1767 to make arrangements for this type of payment transaction. Limited time payment plans are available during registration through the end of add/drop by visiting Nelnet at <http://www.mycollegepaymentplan.com/augustau>, or by clicking the link within POUNCE.

Refund Options

There are two options for refunds: electronic Refund (eRefund) by signing up on POUNCE through the student account center, or mailed paper check.

To sign up for eRefund, log onto POUNCE.

Refunds (BOR Policy Manual 7.3.5)

The policy for determining refunds to be made on institutional charges and other mandatory fees and elective fees and special charges (non-mandatory fees) at USG institutions, except for those institutions for which special refund policies have been approved by the Board of Regents, follows the institutional refunds procedures, as defined in the 1998 Amendments to the Higher Education Act of 1965, P.L. 105-244, TITLE IV-STUDENT ASSISTANCE, PART G-GENERAL PROVISIONS, SEC. 485.

Tuition and fees awarded by scholarship or grant from an agency or authority of the State of Georgia on behalf of a student receiving a refund under this policy shall be reimbursed to such agency or authority.

The Chancellor is authorized and empowered to take or cause to be taken any and all such other and further action as, in the judgment of the Chancellor may be necessary, proper, convenient or required in connection with the execution of this policy. Such authority may be further delegated to the president of the institution.

USG presidents are authorized and empowered to take or cause to be taken any and all such other and further action as may be necessary, proper, convenient, or required in connection with the execution of this policy.

Students Withdrawing from an Institution (BOR Policy Manual 7.3.5.1)

The refund amount for students withdrawing from an institution shall be based on a pro rata percentage determined by dividing the number of calendar days in the semester that the student completed by the total calendar days in the semester. The total calendar days in a semester includes weekends, but excludes scheduled breaks of five (5) or more days and days that a student was on an approved leave of absence.

The unearned portion shall be refunded up to the point in time that the amount earned equals sixty percent (60%). Students who withdraw from the institution when the calculated percentage of completion is greater than 60% are not entitled to a refund of any portion of institutional charges.

Death of a Student (BOR Policy Manual 7.3.5.2)

A refund of all nonresident fees, matriculation fees, and other mandatory fees shall be made in the event of the death of a student at any time during the academic session.

Military Service Refunds (BOR Policy Manual 7.3.5.3)

Subject to institutional policies, full refunds of tuition and mandatory fees and pro rata refunds of elective fees are hereby authorized for students who are:

1. Military reservists (including members of the National Guard) who, after having enrolled in a USG institution and paid tuition and fees, receive orders to active duty or are reassigned for temporary duty or mandatory training that prevents completion of the term;
2. Commissioned officers of the United States Public Health Service Commissioned Corps (PHSCC) who receive deployment orders in response to a public health crisis or national emergency after having enrolled in a USG institution and paid tuition and fees;
3. Active duty military personnel who after having enrolled in a USG institution and paid fees, receive reassignment or a temporary duty assignment or a training assignment that would prevent completion of the term;
4. Otherwise unusually and detrimentally affected by the activation of members of the reserve components or the deployment of active duty personnel of the Armed Forces of the United States who demonstrate a need for exceptional equitable relief.

Students planning to use Veterans Benefits must apply for admission like any other student.

Students using Chapter 33 (Post 9/11) benefits are required to pay (by the Final Payment Deadline) any tuition and fees not covered by the VA. The fees not covered include, but are not limited to: on campus housing, meal plans, and parking passes. The VA does not pay tuition and fees to Augusta University for students using Chapter 30, Chapter 1606, or Chapter 35 benefits. These students are responsible for payment of their tuition and fees by the payment deadline, since they are paid benefits directly through Veterans Affairs.

Students using Chapter 33 or Chapter 31 education benefits will be allowed to attend and participate in their course of education provided they have submitted to their Veteran Certifying Official a current Certificate of Eligibility or Statement of Benefits "eBenefits" (for Chapter 33) or a current VA Form 28-1905 (for Chapter 31 which comes from their counselor). If the VA delays in submitting funds to Augusta University for these students, these students will have full access to their classes, libraries, and other institutional facilities. They will not be required to borrow funds and will not have penalties or late fees imposed because of the VA's delay.

Veteran Readiness and Employment (VR&E) benefits are provided to promote the employment possibilities for disabled individuals. Applicants may be eligible to receive grants covering tuition, fees, books, and supplies. For further information, contact the Atlanta Regional VR&E Office at 1700 Clairmont

Road, Decatur, GA 30033. The Augusta University Military and Veterans Services Office will work with VR&E and the Bursar's Office to assist eligible students.

For more information visit <https://www.augusta.edu/finance/controller/businessoffice/policies-fees.php#students>.

Section VII: Academic Regulations: Undergraduate

Note: Students should always check the University Policy Library at augusta.edu/services/legal/policyinfo/policies for the most recent version of university policies. Graduate Academic Regulations can be found in Section VIII of the Catalog.

Academic Honesty

Augusta University recognizes that academic honesty is essential to its academic function. The regulations in the Academic Honesty Policy protect the equity and integrity of the University's grades and degrees, and help students develop ethical standards and attitudes appropriate to academic and professional life. Violations of academic honesty include, but are not limited to, cheating of all kinds, plagiarism, research misconduct, collusion, and false statements made to avoid negative academic consequences.

Cheating is prohibited.

Cheating includes, but is not limited to, the following:

- Possessing, using, or exchanging improperly acquired information, written or oral, in the preparation of any assignment or examination;
- Copying from another student's work;
- Using prepared materials, notes, or texts during an examination without permission from the instructor;
- Using any technological device to gain or provide advantage on an examination, lab practical, or other assignment without the permission of the instructor, including use of AI text generators;
- Substituting for another person during an examination or allowing someone else to substitute for you; and,
- Solicitation or bribery of any person to obtain examination information.

Collusion is prohibited.

Collusion occurs when multiple students conspire to violate academic honesty by providing or accepting unauthorized assistance, written or oral, in the preparation or completion of any activity, assignment, or examination without permission from the instructor, even if one or more of the students is not enrolled in the course or context in which the collusion occurs. Ordinary study groups, general discussions to facilitate learning, assigned cooperative learning projects, and appropriate campus resources (e.g., the Center for Writing Excellence, the Academic Success Center) do not constitute academic misconduct except when these are explicitly prohibited by the instructor. Collusion may result in additional consequences beyond the action taken for each individual violation of academic honesty. If students have any doubt about which types of collaboration are permissible, it is their responsibility to ask the instructor.

False statements are prohibited.

False statements include verbal or written declarations made to avoid or mitigate negative academic consequences by misrepresenting, distorting, embellishing, or concealing facts pertaining to a student's academic conduct in a course or program of study.

Plagiarism is prohibited.

Plagiarism occurs whenever someone uses another person's words or ideas, verbatim or paraphrased, without giving appropriate credit to the source. It includes reusing previously completed work (even one's own, i.e. self-plagiarism) without consulting the instructor in advance to confirm such use is permitted and to clarify the extent of revision needed to qualify for credit. It also includes presenting content generated by artificial intelligence as one's own. Students should not submit texts generated in part or full by artificial intelligence unless the instructor has granted explicit permission to do so (e.g. in the syllabus or on the assignment prompt). It is always assumed that all work produced or submitted in an academic context is the student's own and reflects original labor performed to satisfy the expectations assigned in that

context, except when the student explicitly acknowledges indebtedness to another source. Such acknowledgment should occur whenever one quotes another person's words; uses or traces another person's ideas, opinions, or theories (even if paraphrased); or borrows facts, statistics, sounds, images, or other intellectual property or illustrative materials, unless the information is common knowledge. If students have any doubt whether a piece of information is considered common knowledge, it is their responsibility to ask the instructor.

Research Misconduct is prohibited.

Research Misconduct is misrepresentation of data collection and analysis, including falsification, fabrication, or omission of data. Augusta University's Policy for Responding to Allegations of Research Misconduct applies to students. See augusta.edu/services/legal/policyinfo/policy/policy-for-responding-allegations-of-research-misconduct.pdf.

All other acts of academic dishonesty are also prohibited.

Other acts of academic dishonesty may be defined by the instructor in their course syllabus or other written instructions (e.g., assignment sheet, exam directions).

It is the duty of the faculty and all instructors to practice and preserve academic honesty and to encourage it among students. The instructor must clarify in writing (for example, in the course syllabus) any situation peculiar to the course that may differ from the generally stated policy. It is the responsibility of the instructor to provide for appropriate oversight of assignments, examinations, internship components, and other course requirements. Finally, it is the responsibility of the instructor to provide written notice to the student of any suspected violations of academic honesty as described in process and procedures in the Academic Honesty Policy online at augusta.edu/services/legal/policyinfo/policy/academic-honesty.pdf.

Student Responsibility

It is the duty of the student to practice and preserve academic honesty. Each student is responsible for knowing the specific policies that govern academic conduct for the program(s) and course(s) in which they are enrolled, as well as the appeals process for adjudicating such policies. If the student has any doubt about a course policy or the instructor's expectations, they should consult the instructor or the course director. It is also the student's responsibility to check daily their Augusta University email so that official notification to the student regarding academic dishonesty can be carried out in timely fashion.

If the student is alleged to have engaged in non-academic misconduct, they should refer to the Augusta University Student Code of Conduct and the procedures outlined therein. See augusta.edu/student-life/conduct.

Academic Records and Transcripts

Permanent academic records are maintained by the Office of Registrar. Under the provisions of the Family Educational Rights and Privacy Act of 1974 (FERPA), a student attending a post-secondary educational institution may examine his or her permanent record maintained by the institution to assure the accuracy of its contents. This Act also provides that no personally identifiable information will be released to any party not authorized to have access to such information without the written consent of the student.

An Augusta University transcript is a complete record of a student's enrollment at Augusta University, including all undergraduate, graduate, and professional coursework. Transcripts are available to request by current students, alumni, and former students. Visit the Transcripts webpages at augusta.edu/registrar/transcripts for details and any applicable costs.

Academic Warning, Probation, and Dismissal

Note: Students should always check the University Policy Library for the most recent version of university policies. The applicable policy is the Academic Standing for Undergraduate Students Policy online at augusta.edu/services/legal/policyinfo/policy/academic-standing-for-undergraduate-students.pdf.

Any undergraduate student whose institutional grade point average (GPA) at the conclusion of any semester is below a 2.00 shall be given an academic warning by being placed on academic probation. Undergraduate students at Augusta University who are on academic probation must have their course schedules approved by their advisors prior to registration. They may continue to attend only if they meet the following minimum academic standards, which are based on progression level.

Progression Level	Term GPA	Institutional GPA
0-29	1.50	1.00
30-59	2.00	1.60
60-89	2.00	1.90
90 & above	2.00	2.00

Students who are on probation and fail to meet either the minimum Term or the Institutional GPA requirements specified above will be suspended (see below, "Academic Suspension"). Students who meet the Term GPA requirement will remain on probation until their Institutional GPA is at or above 2.00, at which time they will return to good standing. Some programs within the University maintain academic standards specific to their degree requirements which may exceed these basic requirements.

Academic Suspension

The mandatory minimum term of suspension shall be one semester. Students wishing to return to the University after a suspension must petition for reinstatement (see below "Appeal for Reinstatement"). Exceptions may only be made by the Dean of the student's major. If reinstatement is approved, the student will be placed on academic probation and may be subject to additional conditions of continuation established by the University at the time of reinstatement. Should the probationary student achieve good standing, the student will be subject to the policy guidelines for students in good standing.

Appeal for Reinstatement

There is no guarantee of reinstatement from any academic suspension. Students suspended for academic deficiencies who complete the mandatory period of suspension may be considered for reinstatement. The student must submit a petition, in writing, at least 30 days prior to the desired semester of reinstatement. The appeal should state clearly the reasons why the student should be considered for reinstatement. Students should submit petitions to the dean of their major college. If the student does not have a declared major, the petition should be submitted to the Academic Advisement Center. These students should submit petitions to the Director of Academic Advisement for reinstatement. If a student has been away from the University for more than three semesters (including summer), they must also apply for readmission through the Office of Academic Admissions.

Academic Dismissal after Reinstatement

Should the student not satisfy the conditions of continuation established after returning from suspension, they will be academically dismissed from Augusta University. If dismissed, the student may be readmitted only after a successful appeal process which is outlined below. Students wishing to appeal a dismissal must follow the appeals process. Students may be readmitted only after successful appeal to the University or, if denied by the University, after successful appeal to the University System of Georgia Board of Regents (see USG BOR Policy Manual, Section 4.7.1, "Student Appeals").

Academic Renewal

Any undergraduate, degree-seeking student who has experienced significant academic difficulty at Augusta University may petition to have one opportunity to make a fresh start after an absence of three consecutive calendar years (nine semesters) from Augusta University. The following procedures will be applied for students seeking academic renewal (excerpted from USG Board of Regents Academic and Student Affairs Handbook, Section 2.5.1):

I. Applying for Academic Renewal Status

Students are encouraged to apply for Academic Renewal status at the time of reenrollment or enrollment as a transfer student at Augusta University. Students who do not request Academic Renewal at that time must do so within one calendar year after reenrollment.

Applications for Academic Renewal are made through the dean of the college housing the student's major, unless the student is assigned to the Academic Advisement Center. These applications are made through the Director of Academic Advisement. Students who are denied academic renewal may repetition after one calendar year (three semesters).

A student can be granted Academic Renewal status only one time.

II. All previously attempted coursework continues to be recorded on the student's official transcript.

Only coursework completed prior to the period of absence may be considered for Academic Renewal.

The Academic Renewal GPA will be used for determining academic standing and eligibility for graduation.

To earn a degree, a student must meet the institution's academic residency requirements after acquiring Academic Renewal status.

Academic credit for previously completed coursework, including transfer coursework, will be retained only for courses in which a grade of A, B, or C has been earned.

Retained grades are not calculated in a Renewal GPA. Such credit is considered in the same context as transfer credit, credit for prior learning, and courses with grades of "S."

Courses with grades of D or F prior to the Academic Renewal must be repeated at Augusta University if they are required in the student's degree program.

Applicability of retained credit to degree requirements will be determined by the degree requirements in effect at the time Academic Renewal status is conferred on the student. Specific institutional program regulations must also be met.

Augusta University will accept visiting credits for students with Academic Renewal status in accordance with current policy.

The Academic Renewal GPA is not used to determine graduation with honors. In order to graduate from Augusta University with honors, all attempted coursework from all institutions attended is used to calculate the final grade point average.

III. Undergraduate students who are transferring to Augusta University or are returning to Augusta University after a period of absence may be eligible for Academic Renewal.

Readmitted Students: Readmitted students may be eligible for Academic Renewal for coursework taken prior to the period of absence. Students must be absent from Augusta University for three consecutive calendar years (nine semesters).

Transfer Students: Students who leave an institution accredited by an accepted accrediting body and transfer to Augusta University are eligible to apply for Academic Renewal. Only coursework completed three years or more prior to the enrollment at Augusta University can be considered for academic renewal. Courses taken more recently than the period of eligibility are ineligible for consideration for Academic Renewal. However, transfer credit can be granted for coursework taken during this period in accordance with current policy.

IV. Any scholastic suspension that occurred in the past shall remain recorded on the student's permanent record. If a suspension is on the record and the student encounters subsequent academic difficulty after having been granted Academic Renewal, the next suspension subjects the student to dismissal.

V. Re-entry into any program is not automatic.

VI. The granting of Academic Renewal does not supersede financial aid policies regarding Satisfactory Academic Progress.

VII. The granting of Academic Renewal does not supersede the admissions requirements of certain programs, e.g., teacher education and nursing, which require a specific minimum grade point average based upon all coursework.

VIII. Academic Renewal status granted by another USG institution shall be honored at Augusta University.

Additional Baccalaureate Degree

A student holding a baccalaureate degree from an institution accredited by an accepted accrediting body who wishes to work for another degree must complete the minimum residence requirements of the university (30 hours of coursework in courses numbered 3000 or above with an average grade of C or better) with at least 30 hours of resident credit in excess of the requirement for the original degree. In addition, the student must complete the exact requirements of major courses, allied fields, mathematics and foreign languages.

Auditing a Course

Regularly enrolled students at Augusta University may register for courses as auditors. No academic credit shall be awarded to students enrolled on this basis. No changes from audit to credit or credit to audit will be permitted after the last day of the scheduled drop/add for the term. Students auditing courses will be required to pay regular fees for enrollment. Courses taken as audits do not count toward financial aid eligibility. A student enrolled as an auditor is expected to attend class regularly and perform such other tasks as may be assigned by the instructor. An auditor who does not attend class regularly may be dropped from the class with a grade of W. A grade of V is assigned to a student who registers as an auditor.

Certificate Residency Requirement

A student must complete at Augusta University at least 25 percent of the credits required for the degree and a minimum of 30 hours of academic credit in courses numbered 3000 or above.

- at least 25% of the overall certificate hours from AU, **and**
- 50% of all certificate credit hours at the 3000 level or above from AU.

Class Attendance

Note: Students should always check the University Policy Library for the most recent version of university policies. The policy governing Class Attendance for undergraduates is the Undergraduate Class Attendance Policy online at augusta.edu/services/legal/policyinfo/policy/undergraduate-class-attendance-policy.pdf.

Augusta University (AU) expects students' regular attendance. Attendance within the courses for which a student is registered is a precondition for receiving credit for the course. Students registering late or who miss class are required to consult with their instructor to determine whether missed work may be made up, in a manner determined by the instructor and the course syllabus.

AU expects students to attend all regularly scheduled class meetings for instruction and examination. When a student is compelled for any reason to be absent, the student should notify the instructor as soon as possible and provide a reason for the absence. The student is responsible for all material presented in class and for all announcements and assignments.

Students should consult with their instructors about all class absences.

It is the responsibility of the **student** to:

- Notify the instructor as soon as possible about class absences.
- Determine what they missed during their absence and reach out to their instructor to determine whether make up work is possible or available.

The Augusta University instructor will clearly define excessive unexcused absences in their syllabus, including a clear statement about any potential penalties.

In all cases of excused absences, an instructor may require written proof of the reason for the absence, such as military orders, doctor's notes, official AU communications, and the like.

While keeping with the excessive absence threshold, a student may miss a scheduled class without penalty, under the following conditions:

- Absences that occur with prior approval by the instructor of record or his/her designee
- Absences due to students involved in required activities representing Augusta University. These include, but are not limited to, athletic events for student-athletes, required academic or artistic events or competitions, or required student government activities. Other potential events as defined by the Deans of the colleges could be considered excused absences from classes when traveling. [Note: absences related to student clubs are not to be considered excused unless approved by the class instructor.]
- Absences due to legally compelled attendance at a court of law
- Absences due to required participation in ROTC Activities
- Absences due to pregnancy-related issues in accordance with the most recent federal guidance under Title IX
- Absence due to weather conditions that AU has officially recognized as hazardous for travel (does not apply to online classes unless the storm causes the student's internet connection to fail.)
- Absences for religious accommodations: see Religious Holiday Policy
- Absences due to an officially documented illness or other medical or psychological issue, for which the instructor may require the student to provide official documentation from the care provider indicating that an absence was medically reasonable.
- Inability of a member of our armed services to attend class due to receiving orders for a period of service.

For absences that meet at least one of these "excused" conditions, the instructor will make reasonable efforts to find a means for the student to make up missed work; the make-up work is not required to be identical.

In all other cases, the decision to permit students to make up missed work shall reside with the instructor.

Any absence problems which cannot be resolved between the instructor and the student shall be challenged and reviewed in accordance with the AU policy on Student Academic Grievances online at augusta.edu/services/legal/policyinfo/policy/student-academic-grievance.pdf.

Withdrawal for Excessive Absences

See Adding, Dropping, and Withdrawing from Courses for Undergraduate Students.

Classification of Students

Undergraduate students at Augusta University are classified as follows, based on the number of academic credit hours earned: Freshman, less than 30 hours; Sophomore 30-59 hours; Junior 60-89 hours; Senior 90 or more hours. The classification under which a student registers at the beginning of each academic semester will continue throughout the academic term. This policy does not apply to post-baccalaureate students.

Course Load

A normal undergraduate course load in a semester is 15-18 hours. Undergraduate students who wish to register for more than 18 semester credit hours must receive approval from either 1) the chair of their academic department, or 2) the Director of Academic Advisement if they are assigned to the Academic Advisement Center. A student may be approved to register for more than 18 hours only if: 1) they has a Regents' GPA of 3.0 with at least 15 credit hours taken at Augusta University, or 2) they is within 30 hours of graduation, or 3) the student is granted permission by their dean.

Course Numbering System

Courses should be numbered according to the appropriate level as determined by the stated student learning outcomes of each course.

- 1000-numbered courses present introductory or general knowledge courses at the undergraduate level. Courses in this level generally have no prerequisites unless it is part of a sequence.
- 2000- numbered courses present fundamental knowledge in a particular field or discipline at the undergraduate level. Courses in this level may have prerequisites at the 1000 level.
- 3000- numbered courses present topics related to major fields and disciplines at an undergraduate level.
- 4000- numbered courses present more advanced topics related to major fields and disciplines at an undergraduate level.
- 5000- numbered courses present introductory or general knowledge in a particular field or discipline at a graduate level.
- 6000- numbered courses present fundamental knowledge in a particular field or discipline at a graduate level.
- 7000- numbered courses are generally seminars and lectures and are reserved for specialists in educational, professional doctorates, and first-professional degrees.
- 8000- numbered courses are generally advanced seminar and lecture courses for research-based and doctoral degrees.
- 9000- numbered courses are advanced seminar and research courses and are to be used only by Doctor of Philosophy degree programs

Course Repeat Policy

Only specifically designated courses may be repeated for credit toward graduation and/or program completion. In any other course, a student taking that course forfeits the credit/grade earned in any previous attempt in the course, and is granted only the credit/grade earned in the latest attempt.

With the exception of such courses as Wellness (WELL) activity courses, "Selected Topics" courses, and other courses specifically designed for repetition and designated as such in the catalog, by registering for a course for which credit has already been received a student forfeits credit toward graduation in the previous attempt in the course. The final grade for graduation purposes will be the grade in the repeated course. While AU does not limit the number of times a student may retake a non-repeatable course, the student should be made aware of the fact that the grades in all course attempts will be used when calculating the student's Regents' (or cumulative) GPA. The Office of the Registrar's regular recording processes will be used in carrying out this policy.

Credit for Prior Learning

Requests to award credit for prior learning may be initiated by faculty or by an individual student. If initiated by a student, the request should generally be made prior to or within the first semester of enrollment. Regardless of who initiates the request, all credit for prior learning must be approved through the university's curriculum approval process as outlined in the Curriculum Approval policy. Once approved, all documentation associated with the approval will be on file with the Office of the Registrar.

The following processes and procedures are in addition to the curriculum approval process:

Credit for Prior Learning from Standardized or Field Examinations

Augusta University may award credit for tests from certain standardized or field examinations such as Advanced Placement (AP), International Baccalaureate (IB), College Level Examination Program (CLEP), Scholastic Aptitude Subject Test II, and the DANTES Subject Standardized Tests. Faculty of the appropriate discipline shall review at least once every five years – or when a major change takes place in the examination – 1) the required score(s), 2) level of credit, and 3) amount of credit awarded. Any recommendation for change resulting from this review must be submitted through the Curriculum Approval process. Credit for prior learning from standardized or field examinations shall be awarded automatically upon entrance to the university after receipt of official scores from the examination agency. A list of the required score(s), level of credit, and amount of credit awarded is available at the Office of the Registrar and Office of Academic Admissions. Credit awarded for prior learning from standardized or field examinations shall be recorded on the student's transcript with the letter "K" in lieu of a letter grade. The Office of Academic Admissions is responsible for processing credit for prior learning from standardized or field examinations.

Credit for Prior Learning from Augusta University Departmental Examinations

Students may request to receive credit for prior learning through departmental examinations (sometimes known as "challenging a course") for courses that apply to their official program of study consistent with departmental policy. Faculty of the appropriate discipline may decide to recommend credit through departmental examinations. A copy of the examination, a chart linking examination questions to student learning outcomes appropriate to the rigor and level of credit being awarded, and a standardized scoring methodology are available in each department and with the Office of Academic and Faculty Affairs. A list of 1) the required score(s), 2) level of credit, and 3) amount of credit awarded based on departmental examinations is available at the Office of the Registrar. Credit awarded for prior learning from departmental examinations shall be recorded on the student's transcript with the letter "K" in lieu of a letter grade. A non-refundable fee of \$25.00 (USD) per credit hour must be assessed prior to a student attempting departmental examinations (e.g. \$75.00 for a three-credit course). The academic department administering the examination is responsible for providing a graded copy of the examination and a letter outlining the amount of credit to be awarded based on the attempt to the Office of the Registrar. The Registrar will also be informed if the student fails to achieve a minimum credit-eligible score on the exam.

Credit for Prior Learning for Significant, Documented, Experiential Learning

Faculty of the appropriate discipline may decide to recommend credit for significant, documented, and verified experiential learning for courses that apply to a student's official program of study. A chart linking these learning experiences to Augusta University course-level student learning outcomes appropriate to the rigor, level, and amount of credit being awarded is required. Faculty of the appropriate discipline shall review previously approved experiences at least once every five years. Any recommendation change resulting from this review must be submitted through the Curriculum Approval process. A list of approved experiences is available at the Office of the Registrar. Credit awarded for prior learning from significant, documented, experiential learning shall be recorded on the student's transcript with the letter "K" in lieu of a letter grade.

Transfer credit is not considered credit for prior learning. See Transfer Credit.

Dean's Lists

Augusta University believes it is important to recognize the superior academic performance of undergraduate and Dental College of Georgia students by awarding them Dean's List designation for a given semester according to the conditions set forth in this policy.

To qualify for the Dean's List, an undergraduate student must (a) earn 12 or more hours of undergraduate coursework numbered 1000 or above, exclusive of K grades; (b) have achieved a grade point average of at least 3.50 for that semester; and (c) have received no grade of F or WF during the semester. For students with an Incomplete grade, Dean's List computations will not be made until a grade is determined.

To qualify for the Dean's List in the Dental College of Georgia, students must exhibit acceptable professional behavior, have a grade point average of 3.50 (on a 4.00 scale) or higher for that semester while carrying at least 12 hours of credit, and must not have received any unsatisfactory or failing grades for that semester.

The achievement of each student who qualifies for Dean's List is acknowledged and noted on the student's permanent record.

Double Majors

Students seeking to double major must satisfy all of the requirements of the two majors, including all residency and institutional requirements for each degree program. Students graduating with a double major must complete a minimum of 45 credit hours of upper-division coursework overall, with a minimum of 21 credit hours of upper-division coursework in one major. Courses taken to meet residency and institutional requirements for one major may be counted towards the residency and institutional requirements for the other major. Coursework for both majors must be completed prior to graduation. Students pursuing a double major must submit two separate graduation applications. Both majors will appear on the student's official transcript.

Students graduating with a double major will be awarded one diploma if both majors are in the same baccalaureate degree (e.g., Bachelor of Science with separate majors in Mathematics and Physics). Students are eligible for a Simultaneous Degree if they graduate with a double major in two different baccalaureate degrees. Those students will be issued two diplomas (e.g., Bachelor of Arts with a Major in English and a Bachelor of Science with a Major in Mathematics).

Students earning a Bachelor of Arts with a Major in Integrated Studies are not permitted to double major.

Students graduating with a double major may add one or more minors and certificates, unless the catalog entry for that program explicitly prohibits it.

Family Educational Rights and Privacy Act (FERPA) Annual Notification

In establishing the [University FERPA Records Policy](#), Augusta University adheres to a policy of compliance with the [Family Educational Rights and Privacy Act of 1974](#), also known as FERPA, a federal law that requires colleges and universities to protect the confidentiality of student education records. The law states that, except in specified circumstances, no one outside the institution shall have access to a student's education records, nor will the institution disclose any information from those records without the written consent of the student.

For details, see the FERPA Annual Notification posted on the Office of the Registrar FERPA webpage at augusta.edu/registrar/ferpa.php.

All questions concerning this FERPA Annual Notification may be directed to the attention of the Office of the Registrar.

Final Exams

Normally, the completion of a course will include a final examination; however, it is the instructor's prerogative not to have an examination if the course organization is such that an examination is not appropriate. The official examination schedule is published on the Registrar's Office website each semester at augusta.edu/registrar/examschedules.

Grades

Augusta University follows the Board of Regents' grading system, as required for all University System of Georgia institutions. A 4.00 grade point average system, calculated to and truncated at two significant digits, is used. The following grades are approved for use at Augusta University and are included in the determination of the grade point average:

Grade	Description	Grade Points
A	Excellent	4.0
B	Good	3.0
C	Satisfactory	2.0
D	Passing	1.0
F	Failure	0.0
WA	Withdrawal	Not Computed
WH	Withdrawal	Not Computed
WF	Withdrawal Failing	0.0
WM	Military Withdrawal	Not Computed
W	Withdrawal	Not Computed
I	Incomplete	Not Computed
S	Satisfactory	Not Computed
U	Unsatisfactory	Not Computed
V	Audit	Not Computed
K	Credit By Exam	Not Computed
CP	Continued Progress	Not Computed
IP	In Progress	Not Computed
NR	Not Reported	Not Computed

The following symbols are approved for use in the cases indicated, but will not be included in the determination of the grade point average.

I	A student who is doing satisfactory work but, for non-academic reasons beyond their control is unable to meet the full requirements of the course, may be assigned an incomplete ("I") grade. An incomplete justification must be completed by the course instructor to assign the incomplete grade. A student who has received an "I" grade has one additional semester to complete the required work and to receive a final grade. A grade change must be submitted in the student information system to remove the incomplete and assign the final grade. Any incomplete grade not removed after the next semester will be converted to an "F" grade. If a student is assigned an I, the course director must notify the student in writing of the requirements for removal of the I and of the deadline for removal of the I.
W	This symbol indicates that a student was permitted to withdraw without penalty. Any student who withdraws on or before last day to receive a "W" as listed in the academic calendar will receive a W. Withdrawals without penalty will not be permitted after the last day to receive a "W" as listed in the academic calendar of the total grading period (including final examinations) except in cases of hardship as determined by the appropriate academic dean.
S	This symbol indicates that credit has been given for completion of degree requirements other than academic coursework. The use of this symbol is approved for dissertation and thesis hours, student teaching, clinical practicum, internship, and proficiency requirements in graduate programs. Exceptions to the use of this symbol for academic coursework must be submitted to the USG chief academic officer for approval.
U	This symbol indicates unsatisfactory performance in an attempt to complete degree requirements other than academic coursework. The use of this symbol is approved for dissertation and thesis hours, student teaching, clinical practicum, internship, and proficiency requirements in graduate programs. Exceptions to the use of this symbol for academic coursework must be submitted to the USG chief academic officer for approval.
V	This symbol indicates that a student was given permission to audit this course. After the last day of late registration, students may not transfer from audit to credit status or vice versa.
K	This symbol indicates that a student was given credit for the course via a credit by examination program approved by the respective school's faculty. (CLEP, AP, Proficiency, etc).
CP	This symbol designates a course that extends beyond the semester. A grade is not given until the course is completed. This symbol cannot be substituted for an I (Incomplete).

The full Grading System Policy is available online at augusta.edu/compliance/policyinfo/policy/grading-system-policy.pdf.

Grade Changes

Augusta University requires a grade change to be submitted in the student information system. Any grade changes unable to be completed electronically should be submitted on the Grade Change Form to the Registrar's Office. Grade Change Forms may not be released to students. Grade changes must be initiated by the course instructor and approved by the Department Chair/Program Director and Dean before it will be honored by the Registrar.

Grade changes should be submitted as soon as possible, and no later than one semester after the initial grade was assessed. There may be reasons that justify a later change of grade, but they must be of an unusual nature and considered most exceptional. Any exception must receive the respective college dean's approval as well as the Vice Provost. Changes in Incomplete grades are exempt from this policy.

No grade changes shall be accepted after graduation.

Grade Appeal Process

See Student Academic Grievances.

Incomplete Grades

An Incomplete (I) grade indicates that a student did not complete course requirements by the end of the term due to circumstances beyond their control. The student must initiate the request, and approval is granted only if the instructor has confirmed the student is satisfactorily completing course requirements and the reason for the request is non-academic.

If approved, the instructor sets the conditions and deadline for completion. Incomplete grades, along with the last date of attendance (for financial aid purposes), must be submitted by the term's grading deadline.

If the coursework is not completed within one semester, the I grade converts to an F. If retaking the course, the student must register and pay for the course again. The initial I grade will need to be graded, withdrawn, or changed to F. I grades may be extended if the student's situation remains unchanged since making the request for an incomplete grade.

For students graduating, I grades in required courses must be resolved before the degree is awarded. Unresolved I grades in required coursework will delay graduation, requiring reapplication. I grades in non-required courses must be resolved by the graduation term's grading deadline; otherwise, the student will not graduate as expected.

Graduation

Graduation Requirements

All candidates for the bachelor's degree at Augusta University must satisfy the following conditions:

Students must earn 39 or more hours in upper level courses. Students must complete all requirements for a major with a grade of C or better in each course. Together with the core curriculum, minor, if applicable, and electives these requirements must total at least 120 hours, not including the credits for the wellness requirement.

Specific graduation requirements for each program are found in this catalog.

Payment of Financial Obligations: No student will be permitted to graduate if they are in default on any payment due to the university.

Additional Degrees: Normally, two identical degrees are not awarded. However, a student may receive the appropriate degree of any other program by completing the additional requirements of that program and earning at least 30 hours of resident credit in excess of the requirement for the original degree.

Core IMPACTS Curriculum: The Core IMPACTS curriculum was developed by the University System of Georgia for the purpose of facilitating the education of students as they pursue baccalaureate degrees within and among the units of the University System. It includes 60 hours of lower-level courses that would normally be covered in the first half of a baccalaureate degree program. A student who completes any area of the core at a university system institution has the assurance that core area has been satisfied at Augusta University.

Course Requirements: Complete a minimum of 120 hours for the baccalaureate degree, not including the Wellness requirement as specified for the candidate's program. A minimum of 39 hours of upper-division courses is required for students graduating with the baccalaureate degree.

Credit from Other Institutions: See Residence Requirement and Credit from Other Institutions.

Degree Requirements in Effect at Candidacy for Graduation: A candidate for graduation is subject to requirements in effect at the time of initial enrollment; however, changes may have been made while the student is enrolled. The changes in requirements shall be implemented so as to minimize the problems of transition for currently enrolled students. A student who is not enrolled for three or more consecutive

semesters or who transferred to another institution will be required to complete a new application to the university and will be subject to the requirements for graduation in effect at time of readmission.

Grade Point Average: Students must achieve an institutional grade point average (see above) of at least 2.00 on all work attempted at this university or an academic renewal grade point average of at least 2.00 on all work since the date of academic renewal.

Graduation Application Fee: The graduation application fee is used to defray the cost of processing candidates for graduation, printing and mailing diplomas, and conducting the commencement ceremonies held each May and December. See augusta.edu/graduation/graduation-faqs.php#Fee for additional information.

Legislative Requirements: In 1975, the Georgia legislature enacted a measure that requires all graduates to have passed examinations on the history of the United States and of Georgia and on the provisions and principles of the constitutions of the United States and of Georgia. No academic credit is given for these examinations, which are administered each semester by Testing and Disability Services.

Certain history and political science courses (i.e., HIST 2111, HIST 2112, HIST 3711, POLS 1101, and POLS 4101), which are listed in the Course Descriptions section of the catalog, will satisfy this requirement. Students who fail one or both of the examinations should contact the chair of the appropriate department (History, Anthropology, and Philosophy or Social Sciences) soon after the examination date.

Wellness Requirement: WELL 1000 and two activity courses will be required for all Augusta University students seeking an undergraduate degree; transfer students who transfer in with 60 or more hours will have the requirement waived.

Baccalaureate Degree: Each student is required to pass three courses which should normally be completed during the freshman and sophomore years. Unless a waiver (as described below) is granted, the requirement will consist of the following:

- WELL 1000 (2 hours)
- Two WELL Physical Activity Classes: (2 hours)

A physical activity class may be a repeated course offering, but it is suggested the student take advantage of this opportunity to develop other skills by taking another activity class.

Waivers and Substitutions:

- **Military Service** – Students who were in the military may receive a waiver of the two Wellness Activity Course requirements if they were in good standing at the time of their separation. The student will submit a copy of their DD-214 Discharge Document to the Chair of Kinesiology and Health Science. Upon review of the document the Chair will email the Registrar and student stating if a waiver will be granted. If the waiver is granted the student will not be required to take the two Wellness Activity Courses. This waiver does not apply to WELL 1000 requirement.
- **Physical Limitations** - If a student has limitations regarding physical activity participation (as specified by a physician), written documentation from the physician is required indicating the type and amount of activity in which the student is allowed to participate. The student will submit this documentation to the Chair of Kinesiology and Health Science for their review. The Chair will email the Registrar and student stating if a waiver for the two Wellness Activity Courses will be granted. This waiver does not apply to WELL 1000 requirement.

Residence Requirements and Credit from Other Institutions: Students seeking a baccalaureate degree must complete in residence at Augusta University at least 25 percent of the credits required for the degree and a minimum of 30 hours of academic credit in courses numbered 3000 or above. At least one-half of the major concentration and at least one-half of the minor concentration must be completed in residence at Augusta University.

The amount of credit that the university will allow for work done in another institution within a given period of time may not exceed the normal amount of credit that could have been earned at the university during that time. A maximum of 62 hours of credit earned in a community college may be applied toward a degree.

Augusta University limits academic residency to no more than twenty-five percent of the degree requirements for all degrees for active duty servicemembers. Academic residency can be completed at any time while active-duty service members are enrolled. Reservists and National Guardsmen on active duty are covered in the same manner.

Special Examinations: Special examinations may be required of the student as they progress through various levels of the curriculum.

Graduation with Honors

AU awards honors to students graduating with a bachelor's degree who meet specific standards of academic excellence as measured by the grade point average. For an undergraduate degree to be awarded with honors, a student must have completed a minimum of 60 semester hours in residence for a bachelor's degree. For students completing all coursework at AU, the Regents GPA is used for the calculation of honors. For students transferring coursework to AU, a grade point average including all transfer work and all work taken at AU will be used for calculation of honors. For transfer students, both the calculated GPA and the Regents GPA must meet the standards below. The honor will be determined by the lower of the two GPAs.

The standards for honors are as follows:

- **Summa Cum Laude:** 3.90- 4.00
- **Magna Cum Laude:** 3.70- 3.89
- **Cum Laude:** 3.50- 3.69

Participation in Commencement

Augusta University holds two commencement ceremonies each year, in the fall semester and spring semester. Augusta University students who have completed all requirements by the end of the spring semester are permitted to participate in the spring commencement. Students completing requirements at the end of the summer or fall semester participate in the fall commencement.

Students wishing to participate in commencement must complete the graduation application by the published deadline for the relevant semester.

No diploma will be awarded until the student has been certified as having completed all academic requirements.

Minors

Minor programs of study are prescribed areas of academic study consisting of 15 to 18 credit hours of coursework with at least 9 hours of upper-division coursework. Courses taken to satisfy any of the Core IMPACTS domains may not be counted as coursework in a student's minor. However, Field of Study courses may be counted as coursework in the minor.

Students must complete at least half of the courses for the minor while in residence at Augusta University. Student must earn a grade of at least a "C" in the last attempt of all courses applicable to a minor.

Coursework completed for a degree program may usually be applied to a minor and vice-versa. For majors that do not have a mandatory minor requirement, 100% sharing between a major and a minor is permitted. In those cases, a course may satisfy the requirement of the major, a first minor, and -- if

applicable -- a second minor. Students in majors that have a mandatory minor requirement, or students in majors where hours for the minor are required to meet the minimum hours for graduation, cannot share upper-division coursework between major and minor requirements, unless the catalog entry for that program explicitly permits it.

Students are not permitted to minor in the exact same field as their major degree. Students in the Integrated Studies major are not allowed to have a minor in an area where their coursework was used for the Integrated Studies Major Concentration/Area of Emphasis.

Students choosing to pursue a minor alongside a degree/major without a mandatory minor requirement will not have their minor coursework count towards their Course Program of Study. This may have implications for federal financial aid eligibility and time to degree.

Professional Liability Insurance

Students in the health professions are required to participate in various clinical learning experiences as a prerequisite to successful completion of programs of study. Many of the clinical facilities where these learning experiences take place will only accept students who are covered by professional liability insurance. Students may contact the office of the dean of the Augusta University college/school in which they expect to enroll for information on the availability and cost of such coverage.

Registration

Registration procedures at Augusta University are maintained by the Office of the Registrar. Notification of these procedures and any changes in the Academic Calendar will be published on the University website.

Students at Augusta University are allowed ample time to register for classes. Registration for courses must be completed in accordance with the dates provided on the University Academic Calendar. A late registration charge may be assessed to any student registering outside the published registration dates.

In keeping with Board of Regents' policy, students are required to pay all tuition and fees prior to the first day of class. Students are not considered enrolled in the institution until all tuition and fees have been paid.

Verification of attendance in all courses is required by the primary faculty member and must be completed by the published deadline.

Except for unusual circumstances, students are not allowed to register after the last day of late registration (the drop/add period listed in the Academic Calendar).

While reasonable efforts shall be made to inform students of registration dates and of any changes in these dates, it is the student's responsibility to keep apprised of such changes.

Student Academic Appeals

Note: Students should always check the University Policy Library for the most recent version of university policies. The applicable policy is the Student Academic Appeals Policy online at augusta.edu/services/legal/policyinfo/policy/student-academic-appeals-policy.pdf.

An academic appeal is a request for review of an administrative decision made with respect to an individual student which bears upon their student career. The appeals procedure does not apply to issues which have broad application to the university as a whole or to constituent groupings within the university. However, appeals can be made in matters such as admission, transfer of credit, probation, suspension, dismissal, and other similar matters. Appeals also may be made in cases related to the Augusta University Student Concerns and Complaints Policy. A supervisor's decision in an appeal can itself be appealed, but there is no appeal of the President's decisions except in cases where it is reasonably alleged that a decision against the student was based on discrimination with respect to race, sex, age,

handicap, religion, or national origin. This policy provides a means to appeal in cases where administrative decisions have been made which may have a negative effect on a student's academic career. It addresses situations not covered by the Student Academic Grievance Policy.

The procedures set forth in the Student Academic Appeals Policy are intended to provide students at Augusta University a means for appealing administrative decisions which are alleged to have a negative impact on that student's academic career. If the student wishes to address alleged violations of their rights by their instructor, or wish to file a grade appeal, the student should refer to the Student Academic Grievance section in these regulations. If the student's problem is related to a non-academic issue, they should refer to the Augusta University Student Code of Conduct.

Student Academic Grievances

Note: Students should always check the University Policy Library for the most recent version of university policies. The current policy governing student academic, including grade appeals, is the Student Academic Grievance Policy online at augusta.edu/services/legal/policyinfo/policy/student-academic-grievance.pdf.

Prior to initiating a formal academic grievance, including a grade appeal, student concerns may be discussed with the faculty member and/or reported to the department chair or unit head.

Academic grievances should normally be made by the grievant during the term of the student's enrollment in the course in which the violation of rights was alleged to have occurred, and no later than end of the semester following the alleged violation of rights, including summer semester. A grievant who seeks a change of final grade in a course should be mindful that University policy requires such changes to be made by the end of the semester following the semester (including summer semester) in which the student was enrolled in the course. If the student wishes to initiate an academic grievance, they must follow the student academic grievance procedure as outlined below, keeping in mind the following principles:

Except when the complaint is of the most egregious nature or is related to intellectual diversity, the student must start with a sincere attempt to settle the dispute in an informal manner with the instructor. In general, administrators can initially hear the student's concerns and refer them to this document, but they will not discuss any specific grievance until the appropriate procedural steps have been taken. The Dean of Students or designee may serve an advisory role for the most egregious incidents or those involving intellectual diversity by hearing specific grievances and facilitating the procedures outlined below.

Within the guidelines of the institution, faculty have authority and responsibility for course content, classroom procedure, and grading, except insofar as it can be shown that a decision was arbitrary or capricious, or based on discrimination with respect to race, religion, sex, handicap, age, or national origin.

When a student prepares their case, they should keep in mind that the burden of proof is on them, not on the instructor.

Students who have legitimate grievances which cannot be resolved at the departmental level should follow the procedures outlined in the [Student Academic Grievance Policy](#). However, frivolous or mendacious complaints are discouraged.

Administrators shall not discuss the details of a specific grievance with a student who has not followed the procedure outlined in the policy, and any representative of a student must follow the same procedure.

Each party in the grievance, whether the grievant, the instructor, or an administrator, shall normally have five (5) business days to respond at any stage in the grievance procedure, unless both parties agree to an extension, or the exercise of due diligence requires additional time.

When a student believes they have an academic grievance, they should first seek to resolve that grievance by discussions with the faculty member or administrator involved. If initial discussions are not satisfactory, the student may take the complaint to the next administrative level as specified below, taking care not to skip levels in the administrative hierarchy. At every level the person hearing the alleged grievance should respond to the student within a reasonable length of time of the initial request. Normally such response should occur within five (5) business days after the student request unless bona fide reasons such as illness, personal emergency or campus absence for professional reasons makes this time limit unreasonable.

The student should consult with the faculty member involved by written letter or email, no later than the first day of classes of the semester following that in which the grievance occurs. The student should articulate the reason(s) for the grievance and the expected remedy. The faculty member (respondent) should provide a response to the student by written letter or email within five (5) business days.

If after communicating with the faculty member the student is not satisfied that a fair and equitable solution has been achieved, the student may take the grievance to the administrative supervisor of the faculty member. In most instances, this will be the department chair. This statement of the alleged grievance and the remedy, along with any documentary evidence, should be in written form.

If the student is still not satisfied, they may take the grievance to the academic dean of the faculty member's school or college (for undergraduate students). Graduate students must concurrently contact the academic dean of the faculty member's school or college and the dean of the graduate school. This statement of the alleged grievance and the remedy, along with any documentary evidence, should be in written form.

As a last resort and only after the previous steps have been carried out, or have been conscientiously attempted, the student may present a formal grievance in writing to the Augusta University Vice President for Faculty Affairs. They should set forth in writing a statement of the alleged grievance and the remedy sought at the department/unit or college level, along with any documentary evidence, which should be delivered to the Office of the Vice President for Faculty Affairs (OVP). The process for this formal grievance is outlined in the [Student Academic Grievance Policy](#).

Student Conduct

Non-Academic Conduct Issues

Augusta University has defined the relationships and appropriate behavior of students as members of the university community through the Student Code of Conduct, which may be found within the Student Manual. The document is available to all members of the university community through the Office of the Dean of Students.

The students of Augusta University have established a precedent of exemplary behavior as members of the university and civic communities. Behavior that unduly disrupts the learning environment and ultimately violates the University's Code of Conduct will be addressed through the Student Conduct Process. Such violations may result in disciplinary probation, suspension, expulsion, or other appropriate disciplinary and/or educational measures.

Any violations of Academic Honesty are handled through the procedures outlined above.

Transfer Credit

Coursework must be validated as being academically rigorous for the appropriate level at which a student receives transfer credit. Accreditation by one of the following organizations is one of the evaluations of quality used by Augusta University: Middle States Commission on Higher Education, New England Association of Schools and Colleges Commission on Institutions of Higher Education, North Central Association of Colleges and Schools - The Higher Learning Commission, Northwest Commission on Colleges and Universities, Southern Association of Colleges and Schools Commission on Colleges,

Western Association of Schools and Colleges Accrediting Commission for Senior Colleges and Universities. For institutions outside of the United States, such assurance is provided by an approved credentials evaluation service to which applicants submit their educational credentials.

Transfer Credit for Associate and Baccalaureate Degrees

Coursework transferred to undergraduate degree programs at Augusta University must be collegiate level coursework that is relevant and applicable to the degree being sought at Augusta University. These courses must have been taught beyond the level of secondary education either as part of an associate or bachelor's degree program. Credit earned at accredited technical colleges may not transfer unless the credit was earned in a designated college transfer program that is part of an officially sanctioned college preparatory curriculum. See

usg.edu/academic_affairs_handbook/assets/academic_affairs_handbook/docs/TCSGUSGTransfer.pdf.

After admission, an evaluation of accepted transferable credits is made by the Office of Undergraduate Admissions. Students, in consultation with their advisors, may request departments to review their academic records to potentially approve a Required Course Substitution/Exception Request or Examination of Transfer Work form. A course substitution allows a course to fulfill a degree requirement it would not typically satisfy. All course substitutions must be approved by the chair of the department in which the course in question is offered. All approved course substitutions must be submitted to the Office of the Registrar for processing. A department chair, or their designated reviewer can also authorize an updated evaluation of transfer credit if they feel that a course for which substitution is being sought should have a different Augusta University equivalent than originally determined. All official correspondence for this re-evaluation of transfer work must be submitted through the designated channel of communication with the Office of Undergraduate Admissions for processing.

Students seeking a baccalaureate degree must complete at Augusta University at least 25 percent of the credits required for the degree and a minimum of 30 hours of academic credit in courses numbered 3000 or above. At least one-half of the major concentration and one-half of the minor concentration, if applicable, must be completed at Augusta University.

The amount of credit that the university will allow for work done in another institution within a given period of time may not exceed the normal amount of credit that could have been earned at the university during that time.

Active-duty service members of the United States Armed Services or the United States Public Health Service Commissioned Corps (PHSCC) must complete at least 25 percent of the degree requirements for all degrees at Augusta University. Academic residency can be completed at any time while active duty service members are enrolled. Reservists and National Guardsmen on active duty are covered in the same manner.

Coursework that is more than 20 years old is subject to validation by the Office Undergraduate Admissions or that person's designee. Credit decisions will be made in consultation with appropriate department chairs.

Visiting and Cross-Registered Students

At Augusta University, students must be in good standing and must obtain prior approval to enroll in any and all credit courses at any other institution as a visiting or cross-registered student. This prior approval of each course must be obtained from the Augusta University department or college that offers a course most comparable to the one that will be taken elsewhere. A **visiting student** is defined as a degree candidate at Augusta University who is granted the privilege of temporary registration at another institution and will not be enrolled at Augusta University during that period of temporary registration. A **cross-registered student** is defined as a degree candidate at Augusta University who is granted the privilege of enrolling at both Augusta University and another institution during a semester.

Withdrawal

Augusta University students may add or drop courses from their schedule of classes, provided they do so by the published deadline.

After the add/drop period has ended, a student may withdraw from a course without penalty up to the last day to receive a "W" set forth in the Academic Calendar. Following this deadline, a student who withdraws from a course will receive a grade of WF (Withdrew Failing), except in cases of medical, hardship, or military withdrawal. WF grades will be treated as F grades for grade point calculations.

Initiating a withdrawal is the responsibility of the student. Forms for initiating a withdrawal may be obtained from the Office of the Registrar's website and the Academic Advisement Center. A student must consult an advisor before withdrawing from a course. A student must obtain all required signatures on the official withdrawal form and obtain a last date of attendance for the course. Once the withdrawal request has been received by the Office of the Registrar, the official date of withdrawal will be the date the student initiated the request.

A student who registers for a course and stops attending class (or never attends class) is not automatically withdrawn by the instructor and is subject to receiving a grade of W (before the last day to receive a "W" set forth in the Academic Calendar), WF, or F for the course. However, an instructor may withdraw a student for excessive absences (more than 10 percent of class time).

See the Adding, Dropping, and Withdrawing from Courses for Undergraduate Students policy for more information.

Section VIII: Academic Regulations: Graduate and Professional

Note: Students should always check the University Policy Library at augusta.edu/services/legal/policyinfo/policies for the most recent version of university policies. Undergraduate Academic Regulations can be found in Section VII of the Catalog.

Academic Honesty

Augusta University recognizes that academic honesty is essential to its academic function. The regulations in the Academic Honesty Policy protect the equity and integrity of the University's grades and degrees, and help students develop ethical standards and attitudes appropriate to academic and professional life. Violations of academic honesty include, but are not limited to, cheating of all kinds, plagiarism, research misconduct, collusion, and false statements made to avoid negative academic consequences.

Cheating is prohibited.

Cheating includes, but is not limited to, the following:

- Possessing, using, or exchanging improperly acquired information, written or oral, in the preparation of any assignment or examination;
- Copying from another student's work;
- Using prepared materials, notes, or texts during an examination without permission from the instructor;
- Using any technological device to gain or provide advantage on an examination, lab practical, or other assignment without the permission of the instructor, including use of AI text generators;
- Substituting for another person during an examination or allowing someone else to substitute for you; and,
- Solicitation or bribery of any person to obtain examination information.

Collusion is prohibited.

Collusion occurs when multiple students conspire to violate academic honesty by providing or accepting unauthorized assistance, written or oral, in the preparation or completion of any activity, assignment, or examination without permission from the instructor, even if one or more of the students is not enrolled in the course or context in which the collusion occurs. Ordinary study groups, general discussions to facilitate learning, assigned cooperative learning projects, and appropriate campus resources (e.g., the Center for Writing Excellence, the Academic Success Center) do not constitute academic misconduct except when these are explicitly prohibited by the instructor. Collusion may result in additional consequences beyond the action taken for each individual violation of academic honesty. If students have any doubt about which types of collaboration are permissible, it is their responsibility to ask the instructor.

False statements are prohibited.

False statements include verbal or written declarations made to avoid or mitigate negative academic consequences by misrepresenting, distorting, embellishing, or concealing facts pertaining to a student's academic conduct in a course or program of study.

Plagiarism is prohibited.

Plagiarism occurs whenever someone uses another person's words or ideas, verbatim or paraphrased, without giving appropriate credit to the source. It includes reusing previously completed work (even one's own, i.e. self-plagiarism) without consulting the instructor in advance to confirm such use is permitted and to clarify the extent of revision needed to qualify for credit. It also includes presenting content generated by artificial intelligence as one's own. Students should not submit texts generated in part or full by artificial intelligence unless the instructor has granted explicit permission to do so (e.g. in the syllabus or on the assignment prompt). It is always assumed that all work produced or submitted in an academic context is the student's own and reflects original labor performed to satisfy the expectations assigned in that

context, except when the student explicitly acknowledges indebtedness to another source. Such acknowledgment should occur whenever one quotes another person's words; uses or traces another person's ideas, opinions, or theories (even if paraphrased); or borrows facts, statistics, sounds, images, or other intellectual property or illustrative materials, unless the information is common knowledge. If students have any doubt whether a piece of information is considered common knowledge, it is their responsibility to ask the instructor.

Research Misconduct is prohibited.

Research Misconduct is misrepresentation of data collection and analysis, including falsification, fabrication, or omission of data. Augusta University's Policy for Responding to Allegations of Research Misconduct applies to students. See augusta.edu/services/legal/policyinfo/policy/policy-for-responding-allegations-of-research-misconduct.pdf.

All other acts of academic dishonesty are also prohibited.

Other acts of academic dishonesty may be defined by the instructor in their course syllabus or other written instructions (e.g., assignment sheet, exam directions).

It is the duty of the faculty and all instructors to practice and preserve academic honesty and to encourage it among students. The instructor must clarify in writing (for example, in the course syllabus) any situation peculiar to the course that may differ from the generally stated policy. It is the responsibility of the instructor to provide for appropriate oversight of assignments, examinations, internship components, and other course requirements. Finally, it is the responsibility of the instructor to provide written notice to the student of any suspected violations of academic honesty as described in process and procedures in the Academic Honesty Policy online at augusta.edu/services/legal/policyinfo/policy/academic-honesty.pdf.

Student Responsibility

It is the duty of the student to practice and preserve academic honesty. Each student is responsible for knowing the specific policies that govern academic conduct for the program(s) and course(s) in which they are enrolled, as well as the appeals process for adjudicating such policies. If the student has any doubt about a course policy or the instructor's expectations, they should consult the instructor or the course director. It is also the student's responsibility to check daily their Augusta University email so that official notification to the student regarding academic dishonesty can be carried out in timely fashion.

If the student is alleged to have engaged in non-academic misconduct, they should refer to the Augusta University Student Code of Conduct and the procedures outlined therein. See augusta.edu/student-life/conduct.

Academic Records and Transcripts

Permanent academic records are maintained by the Office of Registrar. Under the provisions of the Family Educational Rights and Privacy Act of 1974 (FERPA), a student attending a post-secondary educational institution may examine his or her permanent record maintained by the institution to assure the accuracy of its contents. This Act also provides that no personally identifiable information will be released to any party not authorized to have access to such information without the written consent of the student.

An Augusta University transcript is a complete record of a student's enrollment at Augusta University, including all undergraduate, graduate, and professional coursework. Transcripts are available to request by current students, alumni, and former students. Visit the Transcripts webpages at augusta.edu/registrar/transcripts for details and any applicable costs.

Academic Standing

Grades, Academic Performance and Progress

The Graduate School: Satisfactory progress toward a degree in The Graduate School requires that a student maintain a cumulative grade point average* (GPA) of at least 2.8 for all courses attempted, and that all milestones required by the student's program be met in the timeframe set by that program. A minimum grade of C or satisfactory in courses graded S/U (where S = satisfactory, U = unsatisfactory) must be earned for each non-repeatable course applying toward a graduate degree, and a 2.8 cumulative GPA in all courses attempted toward the degree is required for graduation. For repeatable S/U courses only, students may be allowed up to one U grade. Individual programs may set stricter GPA, U grade and/or other graduation requirements. Additional standards for satisfactory progress in courses related to the specific discipline may be set by the program (with approval of the TGS dean), in which case the higher standards shall apply. Such higher standards may include recommendation for dismissal from the program. Consult your program's handbook.

**Cumulative Grade Point Average (GPA) includes all courses taken (every time taken) while in the degree (or certificate) program with no D/F grade forgiveness.*

Academic Probation and Dismissal

Any student whose cumulative GPA for a degree program falls below 2.8 is placed on academic probation. This is not noted on transcripts. While on probation, the student must earn a minimum of 3.0 each grading period until the cumulative GPA is raised to at least 2.8. Students who fail to earn at least 3.0 each period while on probation shall be recommended for academic dismissal from the Program. The above are minimum standard for AU's TGS graduate programs. With approval of the TGS Dean, individual programs may establish stricter GPA standards and/or performance standards for probation or dismissal, in which cases the stricter standards shall apply. For example, in the College of Education, any student who is unable to remediate the grade point average after one semester on academic probation will be placed on "academic suspension" for a period of one semester. Consult your program's handbook for specific information.

Where circumstances warrant and upon recommendation of the academic program concerned and approval of the TGS Dean, a student being considered for dismissal under the provisions of this policy may be permitted to continue as a student on probation. In such cases, the student must earn a GPA of at least 3.0 each grading period while on probation until a 2.8 cumulative GPA is achieved. Failure to do so will result in dismissal from the degree program. The second dismissal will be final.

Students cannot graduate with a D or F grade in a course, and must re-take the course to earn at least a C grade or higher. Students cannot graduate with a U grade in any non-repeatable S/U course and likewise must re-take the course to earn an S grade. Any student in a dissertation or thesis track (including consulting track for Biostatistics MS students) who receive a U in a repeatable research course will be placed on academic probation. For repeatable S/U courses (e.g. research courses, seminar courses, journal clubs), students may have one, but not two, U grades. Two or more U grades in repeatable courses will result in the student being recommended for dismissal. Students earning a D, F, or U in a graduate course required for their degree can be recommended for dismissal by their program. The above are minimum standard for AU's TGS graduate programs. Individual programs may set more stringent C, D, F and/or U probation and/or dismissal policies. Consult your program's handbook.

Any PhD student who earns a grade of Unsatisfactory (U) in a Research course will be placed on academic probation. A student appointed as a Graduate Research Assistant will also be placed on GRA-funding probation if they earn a U in a Research course. Assignment of such a U grade by a faculty advisor will be accompanied by a written report to the Program Director and TGS Dean citing the reason(s) for the U grade, and the expectations/requirements the student must meet during the next semester in order to earn an S grade in the subsequent course. The Program Director and faculty advisor will discuss the student's past performance and future expectations with the student. While on probation, a student must earn Satisfactory (S) grades in all S/U courses in which s/he is enrolled. A student who

fails to earn all S grades while on probation will be recommended for academic dismissal. GRA-appointed students who earn a second U grade will be terminated from the GRA appointment.

A student may be considered for dismissal if s/he fails to make timely progress (meeting program requirements including milestones and timelines) toward the degree sought.

Student Academic Appeals

Any student who has been dismissed from a program and would like to appeal that dismissal should follow the Student Academic Appeals Policy at augusta.edu/compliance/policyinfo/policy/student-academic-appeals-policy.pdf. The Augusta University Student Academic Appeals Policy is specifically designed to address administrative decisions made with respect to an individual student which bears upon their career.

Auditing a Course

Students may audit graduate courses, but must secure permission of the instructor/course director, program director, and Dean of The Graduate School. No academic credit is awarded. Students auditing courses must pay the program's tuition and fees. No changes from audit to credit or credit to audit will be permitted after the last day of the schedule adjustment (add/drop) period. Courses taken as audit do not count toward financial aid eligibility. A student enrolled as an auditor is expected to attend class regularly and to complete assignments as assigned by the instructor. An auditor who does not attend regularly may be withdrawn from the course. In order to audit a class, students must first apply at augusta.edu/admissions/apply.php, click on non-degree seeking, Auditor, Apply. Once this is complete, a Course Approval Form must also be completed. Contact The Graduate School to complete this form.

Class Attendance

Regular, punctual attendance is expected of students in all classes and is counted from the first class meeting each term. Professors are required to monitor student attendance or ongoing participation in courses. Students who incur an excessive number of absences are subject to academic penalty. Additional attendance requirements may be established by the individual schools or programs as well as by the faculty for distance learning courses.

At the beginning of each semester, all professors will provide a clear written statement to all their classes regarding their policies in handling absences. Professors will also be responsible for counseling with their students regarding the academic consequences of absences from their classes or laboratories. Students are obligated to adhere to the requirements of each course and each course professor.

To assist the University in complying with federal regulations pertaining to financial aid, faculty members are also required to maintain a record of and report student non-attendance at the start of each academic term. The Registrar is responsible for informing faculty of the duration of the nonattendance verification period and appropriate reporting method at the beginning of each academic term. In accordance with this policy, a student who does not attend a class or begin participation in an online course during the non-attendance verification period will be dropped from the course by the professor unless they have contacted their professor and notified them of their reason for non-attendance. In the event a student is dropped for non-attendance during this designated time period, the effect is the same as if the student never registered for the class and the course will not appear on the student's transcript.

Faculty members will be flexible enough in their attendance and grading policies to allow students a reasonable number of absences without penalty for extraordinary personal reasons or for officially representing the university. Students are expected to adhere to the attendance guidelines within the syllabus. No student should assume that the faculty member has initiated a withdrawal form. A student not withdrawn from a course who stops attending class, or who never attends class, is subject to receiving a grade of "WF" or "F" for the course.

Students involved in required activities representing Augusta University are excused from class meetings that conflict with specified events. These include, but are not limited to, athletic events for student-athletes, required academic or artistic events or competitions, or required student government activities. Other potential events as defined by the Deans of the colleges could be considered excused absences from classes when traveling. These absences shall not count against the student's attendance record.

Course Load

A graduate student who registers for 9 or more hours is considered a full-time student. A graduate student who is registered for 5 to 8 hours is considered a half-time student. A graduate student who is registered for 1 to 4 hours is considered a less than half-time student.

The Medical College of Georgia does not admit students on a part-time basis. Students in the Medical College may, with appropriate approval from that college, carry lesser academic loads than other students because of academic or scheduling problems. However, these students are considered to be committed to full-time pursuit of the Doctor of Medicine degree.

All Doctor of Dental Medicine degree-seeking students are considered to be full-time and are expected to devote full-time efforts toward completing requirements for the degree. Most students complete the program in four academic years and take a uniform semester course schedule. Other students may, with special permission, complete the degree program in more than four years and take a variable semester course load designed to meet their academic or scheduling circumstances. Exceptions to this rule are part-time Dental College of Georgia faculty with international, non-CODA accredited dental degrees who may register as part-time students in order to complete the DMD degree for licensure purposes, and a limited number of special students (e.g., foreign exchange students), who are not degree-seeking.

Course Numbering System

Courses should be numbered according to the appropriate level as determined by the stated student learning outcomes of each course.

- 1000-numbered courses present introductory or general knowledge courses at the undergraduate level. Courses in this level generally have no prerequisites.
- 2000-numbered courses present fundamental knowledge in a particular field or discipline at the undergraduate level. Courses in this level may have prerequisites at the 1000 level.
- 3000-numbered courses present topics related to major fields and disciplines at an undergraduate level.
- 4000-numbered courses present more advanced topics related to major fields and disciplines at an undergraduate level.
- 5000-numbered courses present introductory or general knowledge in a particular field or discipline at a graduate level.
- 6000-numbered courses present fundamental knowledge in a particular field or discipline at a graduate level.
- 7000-numbered courses are generally seminars and lectures and are reserved for specialists in educational, professional doctorates, and first-professional degrees.
- 8000-numbered courses are generally advanced seminar and lecture courses for research-based and doctoral degrees.
- 9000-numbered courses are advanced seminar and research courses and are to be used only by Doctor of Philosophy degree programs.

Offered courses are numbered from 1000 to 4999 to students at the undergraduate level. Generally, 1000 level courses are aligned to Freshmen level, 2000 level courses are aligned to Sophomore level, 3000 level courses are aligned to Junior level, and 4000 level courses are aligned to Senior level students. Post-baccalaureate, professional, and graduate courses are numbered from 5000 to 9999, depending on the relevant college or program. Certain courses are offered to undergraduate, graduate, and professional students jointly. Such courses are numbered appropriately for each class and degree program.

Credit for Prior Learning

See the policy at: augusta.edu/services/legal/policyinfo/policy/credit-for-prior-learning-policy.pdf.

Requests to award credit for prior learning may be initiated by faculty or by an individual student. If initiated by a student, the request should generally be made prior to or within the first semester of enrollment. Regardless of who initiates the request, all credit for prior learning must be approved through the university's curriculum approval process as outlined in the Curriculum Approval policy. Once approved, all documentation associated with the approval will be on file with the Office of the Registrar.

The following processes and procedures are in addition to the curriculum approval process:

Credit for prior learning from standardized or field examinations. Credit may be awarded for tests from certain standardized or field examinations such as Advanced Placement (AP), International Baccalaureate (IB), College Level Examination Program (CLEP), Scholastic Aptitude Subject Test II, and the DANTES Subject Standardized Tests. Faculty of the appropriate discipline shall review at least once every five years – or when a major change takes place in the examination – 1) the required score(s), 2) level of credit, and 3) amount of credit awarded. Any recommendation for change resulting from this review must be submitted through the Curriculum Approval process. Credit for prior learning from standardized or field examinations shall be awarded automatically upon entrance to the university after receipt of official scores from the examination agency. A list of the required score(s), level of credit, and amount of credit awarded is available at the Office of the Registrar and Office of Academic Admissions. Credit awarded for prior learning from standardized or field examinations shall be recorded on the student's transcript with the letter "K" in lieu of a letter grade. The Office of Academic Admissions is responsible for processing credit for prior learning from standardized or field examinations.

Credit for prior learning from departmental examinations. Students may request to receive credit for prior learning through departmental examinations (sometimes known as "challenging a course") for courses that apply to their official program of study consistent with departmental policy. Faculty of the appropriate discipline may decide to recommend credit through departmental examinations. A copy of the examination, a chart linking examination questions to student learning outcomes appropriate to the rigor and level of credit being awarded, and a standardized scoring methodology are available in each department and with the Office of Academic and Faculty Affairs. A list of 1) the required score(s), 2) level of credit, and 3) amount of credit awarded based on departmental examinations is available at the Office of the Registrar. Credit awarded for prior learning from departmental examinations shall be recorded on the student's transcript with the letter "K" in lieu of a letter grade. A non-refundable fee of \$25.00 (USD) per credit hour must be assessed prior to a student attempting departmental examinations (e.g. \$75.00 for a three-credit course). The academic department administering the examination is responsible for providing a graded copy of the examination and a letter outlining the amount of credit to be awarded based on the attempt to the Office of the Registrar. The Registrar will also be informed if the student fails to achieve a minimum credit-eligible score on the exam.

Credit for prior learning for significant, documented, experiential learning. Faculty of the appropriate discipline may decide to recommend credit for significant, documented, and verified experiential learning for courses that apply to a student's official program of study. A chart linking these learning experiences to course-level student learning outcomes appropriate to the rigor, level, and amount of credit being awarded is required. Faculty of the appropriate discipline shall review previously approved experiences at least once every five years. Any recommendation change resulting from this review must be submitted through the Curriculum Approval process. A list of approved experiences is available at the Office of the Registrar. Credit awarded for prior learning from significant, documented, experiential learning shall be recorded on the student's transcript with the letter "K" in lieu of a letter grade.

Transfer credit is not considered credit for prior learning. See Transfer Credit.

Discipline

Academic Discipline

There are defined standards of academic honesty and integrity for all facets of its students' academic careers. Disciplinary sanctions for violations of these standards are mentioned in each academic policy.

Non-Academic Discipline

The relationships and appropriate behavior of students as members of the university community are defined through the document Student Code of Conduct in the Student Handbook. The document is available to all members of the university community through the Office of the Dean of Students.

The students have established a precedent of exemplary behavior as members of the university and civic communities. Individuals and groups are expected to observe the tradition of decorum and behave in no way which would precipitate physical, social, or emotional hazards to other members of the university community. Behavior that disrupts the learning environment and ultimately violates the University's Code of Conduct will be addressed through the conduct system. Such violations may result in probation, suspension, expulsion, or other appropriate disciplinary measures.

Family Educational Rights and Privacy Act (FERPA) Annual Notification

In establishing the [University FERPA Records Policy](#), Augusta University adheres to a policy of compliance with the [Family Educational Rights and Privacy Act of 1974](#), also known as FERPA, a federal law that requires colleges and universities to protect the confidentiality of student education records. The law states that, except in specified circumstances, no one outside the institution shall have access to a student's education records, nor will the institution disclose any information from those records without the written consent of the student.

For details, see the FERPA Annual Notification posted on the Office of the Registrar FERPA webpage at augusta.edu/registrar/ferpa.

All questions concerning this FERPA Annual Notification may be directed to the attention of the Office of the Registrar.

Grades

The university follows the Board of Regents' grading system, as required for all University of Georgia institutions. A 4.00 grade point average system, calculated to and truncated at two significant digits, is used. The following grades are approved for use and are included in the determination of the grade point average:

Grade	Description	Grade Points
A	Excellent	4.0
B	Good	3.0
C	Satisfactory	2.0
D	Passing	1.0
F	Failure	0.0
WA	Withdrawal	Not Computed
WH	Withdrawal	Not Computed
WF	Withdrawal Failing	0.0
WM	Military Withdrawal	Not Computed
W	Withdrawal	Not Computed

I	Incomplete	Not Computed
S	Satisfactory	Not Computed
U	Unsatisfactory	Not Computed
V	Audit	Not Computed
K	Credit by Exam	Not Computed
CP	Continued Progress	Not Computed
IP	In Progress	Not Computed
NR	Not Reported	Not Computed

The following symbols are approved for use in the cases indicated, but will not be included in the determination of the grade point average.

I	A student who is doing satisfactory work but, for non-academic reasons beyond their control is unable to meet the full requirements of the course, may be assigned an incomplete ("I") grade. A form must be completed to assign the incomplete grade and must include justification. A student who has received an "I" grade has one additional semester to complete the required work and to receive a final grade. A grade change form is required to remove the incomplete and assign the final grade. Any incomplete grade not removed after the next semester will be converted to an "F" grade. If a student is assigned an I, the course director must notify the student in writing of the requirements for removal of the I and of the deadline for removal of the I. A copy of the notice must be submitted to the Office of the Registrar at the time the I is submitted. An e-mail notification to the student, with a copy of the e-mail sent electronically to the Office of the Registrar (registrar@augusta.edu), meets the requirements of this policy.
W	This symbol indicates that a student was permitted to withdraw without penalty. Any student who withdraws on or before midterm will receive a W. Withdrawals without penalty will not be permitted after the mid-point of the total grading period (including final examinations) except in cases of hardship as determined by the appropriate academic dean.
S	This symbol indicates that credit has been given for completion of degree requirements other than academic course work. The use of this symbol is approved for dissertation and thesis hours, student teaching, clinical practicum, internship, and proficiency requirements in graduate programs. Exceptions to the use of this symbol for academic course work must be submitted to the USG chief academic officer for approval.
U	This symbol indicates unsatisfactory performance in an attempt to complete degree requirements other than academic course work. The use of this symbol is approved for dissertation and thesis hours, student teaching, clinical practicum, internship, and proficiency requirements in graduate programs. Exceptions to the use of this symbol for academic course work must be submitted to the USG chief academic officer for approval.
V	This symbol indicates that a student was given permission to audit this course. After the last day of late registration, students may not transfer from audit to credit status or vice versa.
K	This symbol indicates that a student was given credit for the course via a credit by examination program approved by the respective school's faculty. (CLEP, AP, Proficiency, etc).
CP	This symbol designates a course that extends beyond the semester. A grade is not given until the course is completed. This symbol cannot be substituted for an I (Incomplete).

The Grading Policy is available online at augusta.edu/compliance/policyinfo/policy/grading-system-policy.pdf.

Grade Changes

A Grade Change Form is required and is to be completed and submitted to the University Registrar. Grade Change forms may not be released to students. The form shall be initiated by the course instructor, and the dean of the college in which the course is offered or his or her designee must approve

a grade change before it will be honored by the Registrar. Students in The Graduate School programs must have approval from the dean or his or her designee for the grade change.

Grade changes should be processed as soon as possible, and no later than one semester after the initial grade was assessed. There may be reasons that justify a later change of grade, but they must be of an unusual nature and considered most exceptional. Any exception must receive the respective college dean's approval. Changes in Incomplete grades are exempt from this policy.

No grade changes shall be accepted after graduation.

Incomplete Grades

An Incomplete (I) grade indicates that a student did not complete course requirements by the end of the term due to circumstances beyond their control. The student must initiate the request, and approval is granted only if the instructor has confirmed the student is satisfactorily completing course requirements and the reason for the request is non-academic.

If approved, the instructor sets the conditions and deadline for completion. Incomplete grades, along with the last date of attendance (for financial aid purposes), must be submitted by the term's grading deadline.

If the coursework is not completed within one semester, the I grade converts to an F. If retaking the course, the student must register and pay for the course again. The initial I grade will need to be graded, withdrawn, or changed to F. I grades may be extended if the student's situation remains unchanged since making the request for an incomplete grade.

For students graduating, I grades in required courses must be resolved before the degree is awarded. Unresolved I grades in required coursework will delay graduation, requiring reapplication. I grades in non-required courses must be resolved by the graduation term's grading deadline; otherwise, the student will not graduate as expected.

Graduation

Graduation dates for each term are published in the Academic Calendar. Students who have applied and complete requirements for graduation will be awarded their degree at the end of their completion term. Two commencement ceremonies are held each year, in fall semester and spring semester. Students who have completed all requirements by the end of the spring semester are permitted to participate in the Spring commencement. Students completing requirements at the end of the summer or fall semester participate in the Fall commencement. Students wishing to participate in commencement must complete the graduation application by the published deadline for the relevant semester. No diploma will be awarded until the student has been certified as having completed all academic requirements and has been certified by the Bursar as having met all financial obligations.

Each candidate for a graduate degree must apply for graduation. Graduation information and the Application for Graduation Form is available at <https://www.augusta.edu/graduation/graduationinformation.php>. Please read the application carefully and provide ALL requested information.

- Spring Applicants: submit application Fall Midterm BEFORE completion of requirements
- Summer and Fall Applicants: submit application Spring Midterm BEFORE completion of requirements

Students must have completed all degree requirements and be certified for graduation in order to participate in graduation and hooding ceremonies. Satisfactory fulfillment of any additional requirements and/or milestones required by the student's program or the institution must also be completed to be eligible for graduation.

Time Limits

It is the student's responsibility to meet all the requirements for their degree in the proper sequence and in the time limits specified in this document. Where circumstances warrant, a student may petition the Dean for exceptions to the time limit policies.

Doctor of Philosophy

The minimum requirement for the Doctor of Philosophy degree is three full academic years (nine semesters of full time enrollment), which cannot be satisfied through summer work alone. Typical PhD degree programs take more than three years of full time enrollment to complete. All course work and other requirements for the Doctor of Philosophy degree, including the Final Oral Examination, must be completed within seven (7) consecutive years from the date of enrollment in The Graduate School. Leaves of absence (withdrawals) do not extend the seven-year limit. It is the student's responsibility to meet all the requirements for the degree in the proper sequence and in the time limits specified in this document. For students in combined MD/PhD or DMD/PhD degree programs, the seven-year limit does not include semesters of enrollment in the professional degree program.

EdD

The minimum requirement for the EdD degree is three full academic years (nine semesters of full time enrollment), which cannot be satisfied through summer work alone. All course work and other requirements must be completed within seven (7) consecutive years from the date of enrollment. Leaves of absence (withdrawals) do not extend the seven year limit.

DNP

All course work and other requirements for the DNP Traditional Program and the DNP Executive track, including the Final Oral Examination, must be completed within five (5) consecutive calendar years from the date of initial enrollment in the DNP program. Leaves of absence (withdrawals) do not extend the five-year limit. It is the student's responsibility to meet all the requirements for the degree in the proper sequence within the 5 year time limit. This applies to both full-and part-time enrollment.

All course work and other requirements for the DNP Program with NP concentrations, including the Final Oral Examination, must be completed within six (6) consecutive calendar years from the date of initial enrollment in the DNP program. Leaves of absence (withdrawals) do not extend the six year limit. It is the student's responsibility to meet all the requirements for the degree in the proper sequence within the six year time limit. This applies to both full-and part-time enrollment.

Master's Degree

The minimum requirement for a master's degree is two (2) full academic semesters. All course work and other requirements must be completed within five (5) consecutive years from the date of enrollment. Leaves of absence (withdrawals) do not extend the five year limit.

Grade Point Average Requirement for Graduation

The Graduate School requires a cumulative GPA of at least 2.8 to graduate. Students cannot graduate with a D or F grade in any course and must re-take the course to earn at least a C grade or higher. Students cannot graduate with a U grade in any non-repeatable S/U course and likewise must re-take the course to earn an S grade. The GPA and minimal grade requirement may be higher for some programs. Student's should check with their program's director for program specific information.

Professional Liability Insurance

Students in the health professions are required to participate in various clinical learning experiences as a prerequisite to successful completion of programs of study. Many of the clinical facilities where these learning experiences take place will only accept students who are covered by professional liability insurance. Students may contact the office of the dean of the college in which they expect to enroll for information on the availability and cost of such coverage.

Registration

Registration procedures are maintained by the Office of the Registrar. Notification of these procedures and any changes in the Academic Calendar will be published on the University website. Students are allowed ample time to register for classes. Registration for courses must be completed in accordance with the dates provided on the University Academic Calendar. A late registration charge will be assessed to any student registering outside the published registration dates. In keeping with Board of Regents' policy 7.3.3, students are required to pay all tuition and fees prior to the first day of class. Students are not considered enrolled in the institution until all tuition and fees have been paid. Verification of attendance in all courses is required by the primary faculty member and must be completed by the published deadline. Except for unusual circumstances, students are not allowed to register after the last day of late registration (the drop/add period listed in the Academic Calendar). While reasonable efforts shall be made to inform students of registration dates and of any changes in these dates, it is the student's responsibility to keep apprised of such changes.

Student Academic Grievances

Note: Students should always check the University Policy Library for the most recent version of university policies. The current policy governing student academic, including grade appeals, is the Student Academic Grievance Policy online at augusta.edu/services/legal/policyinfo/policy/student-academic-grievance.pdf.

Prior to initiating a formal academic grievance, including a grade appeal, student concerns may be discussed with the faculty member and/or reported to the department chair or unit head.

Academic grievances should normally be made by the grievant during the term of the student's enrollment in the course in which the violation of rights was alleged to have occurred, and no later than end of the semester following the alleged violation of rights, including summer semester. A grievant who seeks a change of final grade in a course should be mindful that University policy requires such changes to be made by the end of the semester following the semester (including summer semester) in which the student was enrolled in the course. If the student wishes to initiate an academic grievance, they must follow the student academic grievance procedure as outlined below, keeping in mind the following principles:

Except when the complaint is of the most egregious nature or is related to intellectual diversity, the student must start with a sincere attempt to settle the dispute in an informal manner with the instructor. In general, administrators can initially hear the student's concerns and refer them to this document, but they will not discuss any specific grievance until the appropriate procedural steps have been taken. The Dean of Students or designee may serve an advisory role for the most egregious incidents or those involving intellectual diversity by hearing specific grievances and facilitating the procedures outlined below.

Within the guidelines of the institution, faculty have authority and responsibility for course content, classroom procedure, and grading, except insofar as it can be shown that a decision was arbitrary or capricious, or based on discrimination with respect to race, religion, sex, handicap, age, or national origin.

When a student prepares their case, they should keep in mind that the burden of proof is on them, not on the instructor.

Students who have legitimate grievances which cannot be resolved at the departmental level should follow the procedures outlined in the [Student Academic Grievance Policy](http://augusta.edu/services/legal/policyinfo/policy/student-academic-grievance.pdf). However, frivolous or mendacious complaints are discouraged.

Administrators shall not discuss the details of a specific grievance with a student who has not followed the procedure outlined in the policy, and any representative of a student must follow the same procedure.

Each party in the grievance, whether the grievant, the instructor, or an administrator, shall normally have five (5) business days to respond at any stage in the grievance procedure, unless both parties agree to an extension, or the exercise of due diligence requires additional time.

When a student believes they have an academic grievance, they should first seek to resolve that grievance by discussions with the faculty member or administrator involved. If initial discussions are not satisfactory, the student may take the complaint to the next administrative level as specified below, taking care not to skip levels in the administrative hierarchy. At every level the person hearing the alleged grievance should respond to the student within a reasonable length of time of the initial request. Normally such response should occur within five (5) business days after the student request unless bona fide reasons such as illness, personal emergency or campus absence for professional reasons makes this time limit unreasonable.

The student should consult with the faculty member involved by written letter or email, no later than the first day of classes of the semester following that in which the grievance occurs. The student should articulate the reason(s) for the grievance and the expected remedy. The faculty member (respondent) should provide a response to the student by written letter or email within five (5) business days.

If after communicating with the faculty member the student is not satisfied that a fair and equitable solution has been achieved, the student may take the grievance to the administrative supervisor of the faculty member. In most instances, this will be the department chair. This statement of the alleged grievance and the remedy, along with any documentary evidence, should be in written form.

If the student is still not satisfied, they may take the grievance to the academic dean of the faculty member's school or college (for undergraduate students). Graduate students must concurrently contact the academic dean of the faculty member's school or college and the dean of the graduate school. This statement of the alleged grievance and the remedy, along with any documentary evidence, should be in written form.

As a last resort and only after the previous steps have been carried out, or have been conscientiously attempted, the student may present a formal grievance in writing to the Augusta University Vice President for Faculty Affairs. They should set forth in writing a statement of the alleged grievance and the remedy sought at the department/unit or college level, along with any documentary evidence, which should be delivered to the Office of the Vice President for Faculty Affairs (OVP). The process for this formal grievance is outlined in the [Student Academic Grievance Policy](#).

Transfer Credit

Coursework must be validated as being academically rigorous for the appropriate level at which a student receives transfer credit. Accreditation by one of the following organizations is one of the evaluations of quality used: Middle States Commission on Higher Education, New England Association of Schools and Colleges Commission on Institutions of Higher Education, North Central Association of Colleges and Schools -The Higher Learning Commission, Northwest Commission on Colleges and Universities, Southern Association of Colleges and Schools Commission on Colleges, Western Association of Schools and Colleges Accrediting Commission for Senior Colleges and Universities. For institutions outside of the United States, such assurance is provided by an approved credentials evaluation service to which applicants submit their educational credentials.

Transfer Credit for Graduate Programs

The Graduate School

Transfer of graduate credit is never automatic; credits transferred do not reduce the residency requirement for any advanced degree. At the discretion of the Dean of The Graduate School of Augusta University (or Dean's designee) and the faculty of the major program, up to nine semester hours of credit toward a degree may be transferred with the exception of the Doctor of Philosophy degree PhD. The actual maximum number of credit hours allowed for transfer (0-9) is program specific. A request for credit transfer should be initiated by the student and their advisor, through the program's director.

Course work transferred to a degree program in The Graduate School must be relevant and applicable to the degree being sought. The individual applying for the transfer credit is responsible for providing the necessary documentation (i.e., course syllabi, transcripts, etc.) for the review. Course credit may be accepted for transfer if the:

- course content is equivalent to a course offered by the graduate program at Augusta University
- course was taken by the student within five years prior to the date of their projected enrollment
- student earned a grade of either "B" or higher or "pass"
- course is recommended for transfer by the graduate program and approved by the Graduate School dean.

Doctor of Philosophy (PhD) degree programs

A maximum of six credit hours is usually recommended but nine credit hours may be allowed in transfer from a master's degree. The transfer of any course work beyond the master's level is a matter for negotiation between the student, their advisory committee, their major department and the Dean of The Graduate School. In general, no more than a total of 20 semester hours may be transferred toward the PhD under any circumstances.

College of Allied Health Sciences and College of Nursing

At the discretion of the Dean (or Dean's designee), these Colleges may allow a maximum of six credit hours of transfer of graduate credit except as noted below. Approved coursework must be taken within five years prior to date of student's projected enrollment.

The physician assistant program allows no transfer credit toward degree requirements.

The physical therapy program allows no transfer credit for physical therapy coursework completed at another institution.

The occupational therapy program will consider transfer credit of coursework completed within four years prior to student's projected date of enrollment.

College of Education and Human Development

For the Master of Arts in Teaching (MAT), up to nine semester hours of credit toward the degree may be transferred in consultation with the student, advisor, and the department chair of the discipline of the courses being considered.

Transfer Credit for Professional Programs

Dental College of Georgia (DCG)

The Dental College of Georgia does not normally accept advanced standing transfer students. However, in the event that a Georgia resident who has enrolled in a dental education program at another accredited U.S. institution cannot complete his or her dental education due to discontinuation of the program in which the student was initially enrolled, the Dean of the Dental College of Georgia may grant advanced standing admission to such a student provided the student has met the admission requirements for the Dental College of Georgia at Augusta University, and was in good standing at the time the program was discontinued.

Medical College of Georgia (MCG)

Students currently enrolled and are in good standing at other Liaison Committee on Medical Education (LCME) medical schools will be considered for transfer admission with advance standing to the second and third year classes of MCG only when there are compelling reasons for the transfer and only on a space available basis. Courses taken at the student's first institution will be evaluated and transfer credit will be awarded on a course by course basis. Students accepted as advanced standing transfers under

these circumstances may be required to study on an altered or modified curriculum and may be required to repeat courses taken at the student's first institution.

Appeal Process

Appeals regarding transfer credit shall be handled in accordance with the Student Academic Appeals Policy.

Visiting and Cross-Registered Students

At Augusta University, students must be in good standing and must obtain prior approval to enroll in any and all credit courses at any other institution as a visiting or cross-registered student. This prior approval of each course must be obtained from the Augusta University department or college that offers a course most comparable to the one that will be taken elsewhere. A **visiting student** is defined as a degree candidate at Augusta University who is granted the privilege of temporary registration at another institution and will not be enrolled at Augusta University during that period of temporary registration. A **cross-registered student** is defined as a degree candidate at Augusta University who is granted the privilege of enrolling at both Augusta University and another institution during a semester.

Withdrawal

Students may add or drop courses from their course schedules, provided they do so by the published deadline. Thereafter, they may withdraw from courses up to midterm. After midterm, students may withdraw from courses without penalty up to the last day to receive a "W," as set forth in the Academic Calendar. After this date, students may withdraw from courses but will receive a "WF" grade, except in cases of extreme hardship. The WF grade will count as an F grade for purposes of institutional grade point average calculation.

The responsibility for initiating a withdrawal resides with the student. A student who registers for a course and stops attending class (or never attends class) is not automatically withdrawn by the instructor and is subject to receiving a grade of "WF" or "F" for the course. However, an instructor may withdraw a student for excessive absences. Forms for initiating a withdrawal may be obtained from the Office of the Registrar. A student should consult with their advisor before withdrawing from a course. A student must obtain the signature of the instructor to officially withdraw from a course. Students in The Graduate School programs must also have approval from the dean of The Graduate School. Once the withdrawal request has been received by the Office of the Registrar, the official date of withdrawal will be the date the student initiated the request.

Withdrawal with Option to Return

Registration in each grading period indicates that a student is making progress toward their enrollment objective. Students who plan to take a semester or more off from what is required by their official approved program curriculum should request a withdrawal with the option to return from The Graduate School Dean, through their program director, using the Withdrawal Form. Withdrawal requests may be for absences no more than three consecutive semesters in length. The semester in which the student withdraws is considered semester one. Students withdrawn (with the option to return) less than three consecutive semesters will be required to be reactivated. Such reactivation requests must be specifically approved by The Graduate School Dean using the Reactivation Form. Some programs may require a re-enrollment plan. A withdrawal does not modify a student's obligation to complete the degree within the maximum time limit allowed for that degree. Students must notify their program director and The Graduate School of their intent to return at least three weeks prior to the beginning of the semester (grading period) in which they plan to return, unless a longer period is specified by the program.

Students who have not enrolled in Augusta University for three consecutive semesters must apply for readmission through the Office of Academic Admissions using the online application process following published procedures and deadlines. Acceptance back into the program is not automatic.

Inactivation after Non-Attendance

A student who does not enroll for three consecutive terms will be classified as inactive by the Registrar. Re-enrollment after withdrawal is not automatic, and the individual will be required to re-apply for admission and be evaluated through the standard admissions process.

Medical Withdrawal

Students may request a Medical Withdrawal when the student experiences a medical emergency or serious health condition which prevents them from completing their course work for the current semester.

Hardship Withdrawal

Students may request a Hardship Withdrawal when they have experienced an unexpected occurrence in their life that requires that they withdraw from all classes for the semester. Students must apply for a hardship withdrawal with the Dean of Students Office prior to the last day of classes for the term they experienced the hardship. The last date to apply is by 5:00 PM on the last day of classes for the semester in which the student experienced the hardship. A hardship withdrawal can only be requested after the last day to withdraw without penalty.

Military Withdrawal

Students who are active duty military and receive reassignment orders that would prevent completion of the term may request a Military Withdrawal.

Dismissal and Withdrawal from The Graduate School and University with No Option to Return

Students who have been dismissed from a program or from The Graduate School, or have chosen to withdraw with no option to return, will not be eligible to return to the program or The Graduate School, whichever applies. A student withdrawing from their program and all courses in which they are currently enrolled must complete the Withdrawal Form to include all required signatures.

Section IX: Colleges/Schools and Departments

Academic Affairs

Department of Military Science / Army ROTC

The Department of Military Science is also known as the Army Reserve Officers Training Corps (ROTC). ROTC is a way for young men and women to start strong in life. The college elective for undergraduate and graduate students that provides unrivalled leadership training for success in any career field. The Department of Military Science trains cadets to commission second lieutenants who demonstrate the potential to be agile, adaptive, and innovative tactical leaders capable of succeeding in complex situations.

augusta.edu/militaryscience

Department Administration

TBD (at time of printing)

Office of First and Second Year Experiences

The Office of First Year and Second Year Experiences designs programs which challenge and support the transition of students from high school into college, including the INQR 1000 course (project-based research), Certificate of Leadership (COL) courses, the Jaguar Jumpstart Summer Program (JJSP), and campus-wide events (such as Freshman Convocation and Sophomore Half-Way There). The office (aka: The Treehouse) provides experiences that enhance resiliency/GRIT, increase collegiate purpose (Book Clubs) and support the successful transition out of college (Southern Cities Swing Tour). In other words, we encourage students to “*branch out and explore*”!

augusta.edu/fye

College of Allied Health Sciences

The College of Allied Health Sciences at Augusta University was established as an administrative entity in 1968. Prior to this date, a Master of Science program in medical illustration and Bachelor of Science programs in health information management, medical technology and radiography had been active; in 1967, the dental hygiene program was initiated. Since then, programs in occupational therapy, physician assistant, nuclear medicine technology, respiratory therapy, physical therapy, radiation therapy, and public health were added. Subsequently, the College launched an academic program in nutrition with a dietetic internship. A doctorate of philosophy in applied health sciences was added in 2013. The College was later approved to offer a Bachelor of Science in Health Services degree. In 2023, the MPH and the PhD in Applied Health Sciences programs moved to the new School of Public Health, and most recently, the college was approved to begin a Speech-Language Pathology master's program at Augusta University. The first cohort of students will begin the fall of 2025. In regards to administrative changes, there were two departmental name changes in 2024. The Department of Interdisciplinary Health Sciences is now the Department of Nutrition and Dietetics. The Department of Undergraduate Health Professions is now titled the Department of Allied Health Professions. For Fall 2025, the college was approved to offer a concentration in Pre-Speech Language Pathology as a part of the Bachelor of Science in Health Services degree major.

Located on the campus of Augusta University in Augusta, Georgia, the College's concentration on health sciences education and research offers students and faculty a rich environment for learning, discovering and caring. All of the programs are fully accredited, with outcomes such as 80-85% employment at graduation and >95% student retention.

augusta.edu/alliedhealth

College Administration

Dean: Lester Pretlow, PhD

Associate Dean of Academic Affairs: Judith Stallings, EdD, MHE, PA-C

Associate Dean for Research: Chandramohan Wakade, MBBS

Assistant Dean of Clinical Practice: Stephanie Johnson, OTR/L, PhD, MHS

Assistant Dean of Student Support: Vacant

706-721-2621

cahs@augusta.edu

Department of Allied Health Professions

The collective programs of the Department of Allied Health Professions comprise disciplines that provide the diagnostic and therapeutic services necessary for making medical decisions, IT communications to promote success in health care reform and professions on the front line of clinical care. The programs provide the world with knowledgeable and skilled professionals trained to be health care leaders who are focused on patient-centered care and technical expertise.

augusta.edu/alliedhealth/allied-health-professions

Department Administration

Gregory Passmore, PhD, NMTCB (RS)

Health Sciences Building

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gpassmor@augusta.edu

Department of Medical Illustration

The Medical Illustration Graduate Program within the College of Allied Health Sciences at Augusta University is one of only four such programs in the country.

Completion of the twenty-one-month curriculum in Medical Illustration results in a Master of Science in Medical Illustration (MSMI) degree granted through The Graduate School.

augusta.edu/alliedhealth/medical-illustration

Department Administration

Amanda Behr, PhD, MA, CCA, CMI, FAMI

Chair

706-721-3266

medart@augusta.edu

Michael Jensen, MSMI

Program Director

706-721-3266

medart@augusta.edu

Department of Nutrition and Dietetics

The department is comprised of faculty and staff who are focused on providing students with high-quality education while working on cutting-edge research projects.

Students practice with medical simulators, have access to state-of-the-art equipment, and train in highly reputable hospitals and medical centers locally and across the nation. All academic programs are top-ranked nationally and are accredited by national institutional agencies. Students are educated on important aspects of healthcare delivery such as ethics, patient communication, and teamwork.

augusta.edu/alliedhealth/nutrition-dietetics

Department Administration

Amanda Amber, Office Coordinator
706-721-6925

Department of Occupational Therapy

The mission of the Augusta University Occupational Therapy department is to develop occupational therapists who change the world through exemplary service, innovative practice, and excellence in scholarship. Our vision is to be an occupational therapy program of excellence renowned for our global impact in addressing with dignity, integrity, compassion and a commitment to social justice, the needs and well-being of individuals and collective societies.

augusta.edu/alliedhealth/occupational-therapy

Department Administration

Pamalyn Kearney, EDD, OTR/L, FAOTA
EC-2304
706-721-3641
studyot@augusta.edu

Department of Physical Therapy

Physical therapy is a dynamic profession with an established theoretical and scientific base and widespread clinical applications in the restoration, maintenance, and promotion of optimal physical function.

Physical therapists are health care professionals that diagnose and manage movement dysfunction and enhance physical and functional abilities. Physical therapists (PTs) treat individuals of all ages, from newborns to the very oldest, who have medical problems or other health-related conditions that limit their abilities to move and perform functional activities in their daily lives.

An education in physical therapy allows individuals the opportunity to choose from a wide variety of career settings (including hospitals, private practices, educational institutions, work settings, nursing homes, and more). Physical therapists must be licensed in the state where they wish to practice. After completing an accredited doctoral physical therapy program, individuals must pass the National Physical Therapy Examination to become licensed.

augusta.edu/alliedhealth/physical-therapy

Department Administration

Colleen Hergott, PT, DPT
Dustin Cox, PT, DPT, PhD
706-721-2141
ptadmissions@augusta.edu

Department of Physician Assistant

Physician Assistants (PAs) are medically trained and licensed to provide high quality health care, treat illnesses, plan prevention strategies, and write prescriptions. As nationally certified and state-licensed medical professionals, PAs are recognized as one of 3 primary care providers (PAs, Nurse Practitioners, and Physicians). PAs lead patient-centered medical teams and can practice autonomously or in collaboration with other members of a patient's healthcare team. PAs undergo rigorous medical training to become certified as medical generalists with a foundation in primary care, but they also have the unique opportunity to practice in various specialty areas (Surgery, Pediatrics, Dermatology, Orthopedics, etc.), giving them deep and fulfilling professional experiences as well as the flexibility to meet the changing needs of their patients, employers, and communities.

augusta.edu/alliedhealth/physician-assistant

Department Administration

Lisa Daitch, MPAS, PA-C
Mia Bonner-Forbes, BA
EC-3304
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paprogram@augusta.edu

Department of Speech-Language Pathology

Our mission: To prepare students with the clinical acumen necessary for professional employment as an entry-level speech-language pathology clinician demonstrated by a collaborative therapeutic skillset to improve the quality of life of individuals with speech-language-communication and swallowing therapy needs.

Our vision: The vision of the new Master of Health Science in Speech-Language Pathology program at Augusta University is to be a leader of innovation and transformational learning by providing high impact experiential training within a diverse, interprofessional, academic, and clinical learning environment.

Our values: We honor our values of compassion, excellence, inclusivity, integrity, and leadership. We uphold these values—and their foundational principles like respect and social responsibility—by living them in the small actions we take in our day-to-day lives.

augusta.edu/alliedhealth/speech-language-pathology

Department Administration

Joann Denemark, MS, CCC-SLP
706-721-6673
idenemark@augusta.edu

Katherine Reese Pamplin College of Arts, Humanities, and Social Sciences

The Katherine Reese Pamplin College of Arts, Humanities, and Social Sciences, fosters critical thinking about complex questions of the human experience; cultivates skills in written, verbal, and creative expression; promotes active citizenship and community engagement; and prepares graduates for diverse careers in quickly changing globalized environments.

augusta.edu/Pamplin

College Administration

Dean: Kim Davies, PhD

Associate Dean: Dustin Avent-Holt, PhD

Associate Dean: Christine Crookall, DMA

706-737-1738

pamplin@augusta.edu

Department of Art and Design

The Department of Art and Design offers cutting-edge programs preparing students for the creative paths of tomorrow. Students work with a variety of media as they build robust interdisciplinary competencies essential for today's creative economy. Department courses include filmmaking, animation, theatre, digital and visual storytelling, printmaking, photography, drawing, painting, ceramics, and sculpture.

augusta.edu/pamplin/art

Department Administration

Scott Thorp, MFA

Washington Hall, Office 240

706-667-4888

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Department of Communication

Communication offers interactive, intensive-learning courses designed to teach students not only professional communication know-how that will help students succeed in their lives and careers after graduation, but also to help make them better, sharper people with strong creative and critical thinking skills.

augusta.edu/pamplin/communication

Department Administration

David Bulla, PhD

Allgood Hall, Suite E123

706-729-2416

communication@augusta.edu

Department of English and World Languages

In the Department of English and World Languages (EWL), students are immersed in a liberal arts education that prioritizes the development of humane values and a passion for life-long learning. EWL students hone professional skills that prepare them for successful careers in diverse fields. Students gain intra-disciplinary knowledge and communicative proficiency in English and several world languages. Students develop an interdisciplinary understanding of literature and world cultures, as well as the race, gender, and class dynamics within these cultures. Through course offerings and co-curricular activities, EWL fosters the development of advanced reading, writing, critical thinking, and research skills.

augusta.edu/pamplin/english-world-languages

Department Administration

Dr. Candis Bond

706-737-1500

ewl@augusta.edu

Department of History, Anthropology, and Philosophy

The Department of History, Anthropology and Philosophy offers a dynamic education where students can choose from a wide array of courses about US and global history, historical archaeology and cultural anthropology, and contemporary and historical philosophy. History, Anthropology, and Philosophy are foundational academic disciplines, which provide training in analyzing and interpreting the human past, the complexity of human social patterns, and the enduring questions about who we are. The mission of the Department of History, Anthropology and Philosophy is to create critical thinkers, writers, and researchers. We focus on building contextualized knowledge of the world, through an exploration of the lives, problems, and legacy of real people and societies.

augusta.edu/pamplin/hist-anth-phil

Department Administration

Ruth McClelland-Nugent

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Department of Music

The Department of Music is a professional unit which regards music as both an art and a discipline. It recognizes the artistic values of creativity, experimentation, and music discrimination as well as the disciplinary attributes of scholarship, independent and critical thinking, self-motivation, skill development, and dedication. Musical performance is a vital component of all programs of study. Individualized instruction allows for a nurturing environment reflecting high regard for the musical legacies of the past as well as preparedness for the future. Graduates in music at Augusta University have gone on to careers as professional performers, public school music teachers, band directors, choral directors, and church musicians. Augusta University graduates have been accepted for graduate study at some of the most prestigious music schools in the country, including Indiana University, the University of North Texas, and the New England Conservatory.

The music unit provides intensive musical training on the collegiate level for musicians preparing for professions in music education, music performance, music history, conducting, music industry studies, and general studies in music, while serving non-music majors and music minors with a variety of offerings. Public school teachers are served through the offering of courses which satisfy the

requirements for Staff Development Units. Persons of all ages in the community are encouraged to participate in musical activities through the Conservatory Program at Augusta University.

augusta.edu/pamplin/music

Department Administration

Angela Morgan, DM
706-737-1453
mruss@augusta.edu

Department of Psychological Sciences

The Department of Psychological Sciences is dedicated to the understanding of behavior and the mind. Both the undergraduate and graduate programs provide opportunities to learn about the theoretical and empirical findings and the process by which information is obtained. The degree programs focus on developing skill sets highly valued by employers and graduate programs: critical thinking, ethical integrity, professional development, social and cultural awareness, and communication. These experiences happen in the classroom as well as research labs and internships.

augusta.edu/pamplin/psychology

Department Administration

Tadd B. Patton, PhD
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tpatton@augusta.edu

Department of Social Sciences

The Department of Social Sciences equips students to exercise political and social responsibility at the local, state, national, and international levels. The programs prepare undergraduates for advanced study in graduate and professional school in a variety of fields and careers in all levels of government, public administration, international relations, human services, and the private sector. We also value your time and resources so we have five-year two-in-one degree programs (the BA to MPA and the BA to MAISS).

augusta.edu/pamplin/social-sciences

Department Administration

William Hatcher, PhD
706-737-1710
socsci@augusta.edu

James M. Hull College of Business

The James M. Hull College of Business is accredited by the Association to Advance Collegiate Schools of Business (AACSB) and offers the Bachelor of Business Administration and the Master of Business Administration degrees. Students pursuing the Bachelor of Business Administration degree may choose to major in accounting or choose a concentration in one of several areas: applied economic analysis, healthcare management, financial services, or digital marketing. Students may also choose a unique group of six business electives in lieu of a concentration to "customize" their BBA for a specific job or industry, with input from their academic advisor and program faculty. Additionally, the college offers a

minor in accounting, business administration, and economics, as well as an undergraduate certificate in hospitality administration. Students pursuing the Master of Business Administration degree may choose the on-campus program, with or without the healthcare management concentration, or the Georgia WebMBA fully online program.

The Hull College of Business provides a high quality, student-focused education that prepares students to excel in their fields of study and become leaders on a global stage. The programs are highly desirable and develop graduates that are highly recruited. The faculty members advance scholarly understanding and improve the professional practice of our disciplines through collaborative research and service.

augusta.edu/hull

College Administration

Dean: Mark Thompson, PhD

Associate Dean: Peter Basciano, PhD

706-737-1418

hull@augusta.edu

School of Computer and Cyber Sciences

The School of Computer and Cyber Sciences was established in 2017 and is headquartered in the Hull-McKnight Georgia Cyber Center for Innovation and Training at Augusta University's Riverfront Campus. The vision of the School of Computer and Cyber Sciences is to be a comprehensive research college, achieving excellence in education, research, outreach & engagement in the fields of computer science, information technology, cybersecurity, and engineering. The school provides high-engagement, state-of-the-art technology education, and research across its disciplines.

The school offers undergraduate programs in computer science, information technology, cybersecurity, cyber operations, and cybersecurity engineering. The school offers masters programs in information security management and computer science, and a doctoral degree program in computer and cyber sciences. Additionally, the school offers several certificates in the field of cybersecurity.

augusta.edu/ccs

College Administration

Dean: Alex Schwarzmenn, PhD

Associate Dean of Academic Affairs and Director of Graduate Studies: Gursimran Walia, PhD

Head of the Cyber Program of Study: Michael Nowatkowski, PhD

Director of Undergraduate Studies: Richard DeFrancisco, PhD

706-729-2370

ccs@augusta.edu

Department of Computer Science

The Department of Computer Science offers comprehensive undergraduate and graduate programs in Computer Science, Cyber Operations, and Data Science. Our curriculum prepares students for high-demand careers, including software development, defensive cyber operations, data science, and research scientist roles. The Bachelor of Science in Computer Science is ABET-accredited. Augusta University is recognized as a Center of Academic Excellence in Cyber Defense and Cyber Operations by the National Security Agency (NSA), specifically highlighting our Bachelor of Science in Cyber Operations. Our faculty possess extensive teaching experience and conduct cutting-edge research in artificial intelligence, data science, software engineering, cybersecurity, formal methods, human-computer interaction, distributed and cloud systems, and high-performance computing.

augusta.edu/ccs

Department Administration

Dr. Konstantin Busch, Chair
706-721-1110
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Department of Cyber Science and Engineering

augusta.edu/ccs

Department Administration

Dr. Alex Schwarzmann, Chair
ccs@augusta.edu

Department of Information Systems and Security

The Department of Information Systems and Security offers comprehensive undergraduate and graduate programs in Information Technology and Cybersecurity. The curriculum is designed to equip students with the knowledge and skills necessary for in-demand careers such as systems analyst, web developer, cyber defense analyst, cyber defense incident responder, and cybersecurity manager. Augusta University is recognized as a Center of Academic Excellence in Cyber Defense and Cyber Operations by the National Security Agency (NSA) and other federal agencies—an honor that includes our Bachelor of Science in Cybersecurity. Our faculty bring extensive industry experience and active research in information systems, business, and cybersecurity.

augusta.edu/ccs

Department Administration

Dr. Mark A. Harris, Chair
706-721-1110
ccs@augusta.edu

Dental College of Georgia

The Dental College of Georgia (DCG) provides dental education to the next generation of professionals by offering hands-on education through innovative research, patient care, and service.

The DCG was founded to provide the people of Georgia with quality dental care by educating students in dentistry. The DCG offers a four-year program leading to a Doctor of Dental Medicine degree. Advanced studies are also available through eight different dental residency programs and one internship program.

Dental school requires intense focus, hard work and long hours, but Augusta University's dedicated faculty and staff are on hand to assist. Most students approach dental school as a full-time pursuit, but students with families, including those who pursue dentistry as a second career, have excelled at Augusta University. Balance and commitment are key.

Augusta University's numerous student organizations, as well as dental organizations for students, provide fun, service, camaraderie and inspiration. Some of these organizations emphasize fun or

philanthropy; others provide an early start on networking and the opportunity to help shape the dental profession.

augusta.edu/dentalmedicine

College Administration

Dean: Nancy B. Young, DMD, MEd

Vice Dean: Kevin Frazier, DMD

Associate Dean, Research: Babak Baban, PhD

Associate Dean, Academic Affairs and Advanced Education: Kim Capehart, DDS, PhD, MBA

Associate Dean, Patient Services: Alan Furness, DMD

Associate Dean, Admissions: Regina Messer, DMD

Associate Dean, Student Affairs and Alumni: Gregory Griffin, DMD

706-721-3587

osaas@augusta.edu

College of Education and Human Development

Preparing highly qualified professionals for careers in education, kinesiology and counseling is the cornerstone of the College of Education and Human Development. Based on standards from state, regional, and national accrediting agencies, best practices, and relevant research, the college programs emphasize what beginning and advanced professionals should know and be able to do at the end of their undergraduate and graduate studies.

augusta.edu/education

College Administration

Dean: Judi Wilson, EdD

Associate Dean of Academics and Educator Preparation: Kim Barker, PhD

Associate Dean of Research: Yudan Chen, PhD

Associate Dean of Faculty and Staff Success: Graeme Connolly, PhD

706-667-4100

Department of Kinesiology

The Department of Kinesiology offers undergraduate and graduate degrees in Kinesiology, an undergraduate degree in Sports Management, and a post-baccalaureate certificate in Sports Coaching. We provide a dynamic and comprehensive path to success, whether you're interested in physical therapy, occupational therapy, the medical profession, athletic training, nutrition, sports management, or a range of other health and wellness professions. We offer a supportive and engaging environment for both undergraduate and graduate students.

augusta.edu/education/kinesiology

Department Administration

Steven Page, EdD

706-737-1468

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Department of Research, Counseling, and Curriculum

The Department of Research, Counseling, and Curriculum (RCC) in COEHD is where passionate educators, counselors, and scholars turn a commitment to the public good into action. We offer graduate level programs in

- 1) Master of Education (MEd) in Counselor Education (concentrations: Clinical Mental Health and School Counseling),
- 2) Education Specialist (EdS) in Advanced Education Studies, and
- 3) Doctor of Education in Educational Innovation (concentrations: Curriculum and Instruction and Educational Leadership).

Coursework blends evidence-based learning with immersive experiences that prepare you to transform lives and communities. Our faculty's expertise in educational foundations, counseling, curriculum, and research methodology drives data informed advancements across the university. If you're ready to challenge the status quo and lead change, this is your academic home.

augusta.edu/education/research-counseling-curriculum

Department Administration

Dr. Alicia B. Becton, CRC, NCC, ACS, LPCC
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Department of Teaching and Leading

The Department of Teaching and Leading offers undergraduate and graduate level programs in teaching, educational leadership, and special education. Our faculty and staff are committed to high impact practice within the context of a caring community, and produce innovative research that seeks to address matters related to education, education policy, intellectual growth and moral development. Simply put, we are invested in developing good, decent, thoughtful people who can make our world a better place in which to live.

Based on standards from state and national accrediting agencies, best practices, and relevant research, the Department of Teaching and Leading programs emphasize what beginning and advanced professional educators should know and be able to do at the end of their undergraduate and graduate studies.

The Department of Teaching and Leading is committed to scholarship, service, and to providing: (1) an educational experience with the overriding objective of preparing undergraduate and graduate students to become effective educators and school leaders; and (2) partnership-based field experiences that engage candidates in authentic educational learning opportunities.

The emphasis of the professional preparation program is on integrating scientific knowledge, pedagogical theory, skill acquisition, and application into a comprehensive educational experience. The educational program will be conducted in an atmosphere that is open, concerned, and responsive to the needs of students and the community.

To accomplish this goal the department collaborates with professional associations, local P-12 schools, and community organizations. Additionally, the department strives to ensure that the missions of the College of Education and Human Development and Augusta University are realized.

augusta.edu/education/teaching-leading

Department Administration

Juan Walker, PhD
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juwalker@augusta.edu

Medical College of Georgia

The impact of the state of Georgia's only public medical school spans from its founding nearly 200 years ago, in 1828, as one of the nation's first medical schools to its current role optimizing health and health care in Georgia and beyond through education, discovery and service.

The Medical College of Georgia is one of the nation's largest medical schools by class size, with 260 students per class. The educational experience is anchored by the main campus in Augusta, regional clinical campuses for third- and fourth-year students across the state and a second four-year campus in Athens in partnership with the University of Georgia. MCG's expanding partnerships with physicians and hospitals across Georgia currently provides about 350 sites where students can experience the full spectrum of medicine, from complex care hospitals to small-town solo practices. MCG and its teaching hospitals also provide postgraduate education to more than 500 residents and fellows in 50 different Accreditation Council for Graduate Medical Education-approved programs.

Our researchers and clinicians focus on what most impacts the health of Georgia's and America's children and adults, including cardiovascular biology and disease, cancer, neurosciences and behavioral sciences, public and preventive health, regenerative and reparative medicine, personalized medicine, and genomics. Our physician faculty also share their expertise with physicians and patients at about 100 clinics and hospitals statewide.

augusta.edu/mcg

College Administration

Dean: David Hess, MD
706-721-2231
MCGdean@augusta.edu

Augusta - Main Campus

Vice Dean for Academic Affairs: Michael Brands, PhD
Senior Associate Dean for Evaluation, Accreditation and CQI: Andria Thomas, PhD
Senior Associate Dean for Graduate Medical Education and DIO: Natasha Savage, MD
Associate Dean for Admissions: Kelli Braun, MD
Associate Dean for Curriculum: Shilpa Brown, MD
Assistant Dean for Curriculum – Foundations: Nicole Winston, EdD PharmD
Assistant Dean for Curriculum – Advanced Foundations: Wanda Jirau-Rosaly, MD
Assistant Dean for Curriculum – Clinical Integration: Carolyn Zahler-Miller, MD
Assistant Dean for Curriculum – Enrichment: Chris Fly, MD
Associate Dean for Experiential Learning: Matthew Lyon, MD
Associate Dean for Faculty Development: Michelle Krupp, EdD
Associate Dean for Regional Campuses: Kathryn Martin, PhD
Associate Dean of Student Affairs: Jennifer Tucker, MD
Assistant Dean for Student Affairs - Preclerkship: Lynne Coule, MD
Assistant Dean for Student Affairs - Clerkship: Eric Lewkowiez, MD
Assistant Dean for Student Affairs – Enrichment: Chris Watson, MD
Assistant Dean for Career Advising: Leila Stallworth, MD
Assistant Dean for Academic Advising: Lashon Sturgis, MD PhD
Assistant Dean for Learner Well-Being: Tracy Casanova, PhD

Associate Dean for Student Success: Vanessa Spearman-McCarthy, MD

AU/UGA Medical Partnership - Athens

Campus Dean: Shelley Nuss, MD

Campus Associate Dean for Curriculum: Andy Morris, PhD

Campus Associate Dean for Integration & Academic Enhancement: Leslie Petch-Lee, PhD

Interim Campus Associate Dean for Student Affairs: W. Scott Richardson, MD

Campus Associate Dean for Faculty Affairs and Development: Gerald Crites, MD

Campus Associate Dean for Research: Jonathan Murrow, MD

Campus Basic Sciences Chair: Matthew Boegehold, PhD

Northwest Campus - Rome

Campus Associate Dean: Paul Brock, MD

Campus Assistant Dean: Dixon Freeman, MD

Southwest Campus - Albany

Campus Associate Dean: Doug Patten, MD

Campus Assistant Dean: Koosh Desai, MD

MCG Savannah at Georgia Southern

Campus Dean: Elizabeth Gray, MD

Campus Assistant Dean for Preclerkship: Folami Powell, PhD

Campus Assistant Dean for Clerkship: John Rowlett, MD

College of Nursing

Learn the latest innovations in healthcare and advances in nursing science at the region's only academic health center. Impact the world through collaboration and teamwork, expanding the scope of your educational experience beyond the traditional classroom. Expand your reach through opportunities to serve your communities, working with nursing leaders and partners to improve health and increase access to care.

augusta.edu/nursing

College Administration

Dean: Beth NeSmith, PhD, ACNP-BC

Associate Dean for Academic Affairs: Star Mitchell, PhD, RN, CCRN

Associate Dean for Student Affairs: Michelle Cox-Henley, DNP, RN, NEA-BC

Assistant Dean for Instruction and Innovation: William Hamilton, MBA, MHA, EdD

Chair, Department of Prelicensure Programs: Blake McGee, PhD, MPH, RN

Chair, Department of DNP Program: Shannon Broxton, DNP, CRNA

Interim Chair, Department of Nursing Science: Julie Zadinsky, PhD, RN, CIP

706-721-3771

nursing@augusta.edu

School of Public Health

The mission of the School of Public Health is to improve population health, promote individual well-being, and support all in achieving their maximum health potential through our commitment to education, research, service, and community engagement.

Pursue a degree in public health that focuses on innovation and discovery to improve population health and individual well-being in Georgia and beyond. Students work side-by-side with top faculty, have access to innovative research opportunities and community-based training, and prepare for a career of positive, transformative change.

augusta.edu/sph

College Administration

Dean: Teresa M. Waters, PhD

Associate Dean, Academic and Student Affairs: Jie Chen, PhD

Associate Dean, Research and Community Engagement: J. Aaron Johnson, PhD

706-721-1104

sph@augusta.edu

College of Science and Mathematics

The College of Science and Mathematics provides student-centered education in mathematics and the natural sciences to both undergraduate and graduate students, expands scientific knowledge through research, and strives to increase scientific literacy for all citizens.

augusta.edu/scimath

College Administration

Dean: John Sutherland, PhD

Associate Dean for Academic Affairs: Amy Abdulovic-Cui, PhD

Associate Dean for Community and Alumni Relations: Seth Oppenheimer, PhD

Associate Dean for Faculty and Student Affairs: Thomas Crute, PhD

Associate Dean for Research: Guido Verbeck, PhD

Assistant Dean for Facilities: Jeremy Goodin, PhD

Assistant Dean for Philanthropy and Alumni Engagement: Siva Panda, PhD

706-729-2260

cosm@augusta.edu

Department of Biological Sciences

The Department of Biological Sciences seeks to stimulate an interest in scientific inquiry and the diversity of living organisms. They seek to equip students with skills necessary for future employment in various scientifically related fields or for further study at graduate and/or professional schools. Biology is the natural science concerned with the study of living organisms, including their structure, function, growth, origin, evolution, distribution, and taxonomy.

A broad education in the fundamentals of biology via the classroom setting and through hands-on learning in laboratories is provided. The department allows for specialized training by providing opportunities for students to participate in basic and applied research in ecology, genetics, microbiology, plant physiology, aquatic biology, cell and molecular biology, and more. The curriculum prepares students

for graduate school and professional programs such as medicine, dentistry, veterinary medicine, pharmacy, and related fields. To enhance professional development and employment potential, faculty members encourage students to participate in undergraduate research opportunities to gain practical experience.

augusta.edu/scimath/biological-sciences

Department Administration

Amy Abdulovic-Cui, PhD
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Department of Chemistry and Biochemistry

Chemistry and Biochemistry involve the study of the fundamental principles and materials of the world around us. The Bachelor of Science degrees in Chemistry allow students to develop the analytical and problem-solving skills that are universally sought by graduate schools, professional programs (such as medicine, dentistry, and pharmacy), as well as by employers. Chemistry graduates have the preparation to tackle many emerging world problems such as the development of new medicines and medical devices, energy advances and security, sufficient food and clean water for a growing population, eco-friendly chemistry and engineering, isolation, and characterization of natural products, and advanced novel materials. With the demand for scientifically literate college graduates as strong as ever, a solid foundation in chemistry is a must to stay on the cutting edge of nearly any science or medical field. Numerous opportunities to engage in undergraduate research allow our graduates to build strong resumes to be competitive for opportunities after graduation. Multiple concentrations allow students to match their educational path with career goals through specialized electives in medicinal chemistry, nuclear science, forensics, and biochemistry. The department also participates in the 3+4 pharmacy program with University of Georgia. The department houses an American Chemical Society approved chemistry degree, and this accreditation allows awarding of nationally recognized certificates to qualifying graduates.

augusta.edu/scimath/chemistry

Department Administration

Guido Verbeck, PhD
Angie Spencer, PhD
706-737-1541
chemistry@augusta.edu

Department of Mathematics

The Department of Mathematics is committed to excellence in the teaching of logical, numerical, and analytical skills; to the advancement of knowledge; and to the enrichment of the community in a climate which fosters empowerment, humane values, and a life-long love of learning within our disciplines.

augusta.edu/scimath/mathematics

Department Administration

Seth F. Oppenheimer, PhD
Christopher A. Terry, PhD
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mathematics@augusta.edu

Department of Physics and Biophysics

Physics and Biophysics involves the study of fundamental principles in science and materials in the world around us. These degrees allow you to develop the analytical and problem-solving skills that are universally sought by graduate schools, professional programs (such as mechanical and electrical engineering, computer science, data science, medicine, dentistry, or pharmacy), as well as by employers. Physics graduates have the preparation to tackle many emerging world problems that require both detailed analysis and novel design approaches. Studies involve fundamental physical systems as well as applications in nuclear physics, materials, fluids and microfluids, electronics, optics, and biophysics. Students develop innovative research projects in courses, go on internships, and participate in research with the faculty. Student research engages in topics such as sensor development, cancer research, materials science, microfluidics, and nuclear physics. The skills developed are highly sought after for both continuing postgraduate studies or post-graduate employment. The diverse faculty in the department allows for developing of a valuable array of skills. Our graduates leave with a high rate of success in their chosen paths. The availability of selected concentrations, upper-level elective studies, and research allows students to match their educational path with their career goals.

augusta.edu/scimath/physics

Department Administration

Thomas M. Colbert, PhD
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The Graduate School

The Graduate School provides leadership, vision and oversight for many Augusta University graduate programs and service and support for graduate students and faculty. The Graduate School's graduate faculty members are selected based on experience in research, scholarship and education. They are drawn from AU's College of Allied Health Sciences; College of Education and Human Development; College of Nursing; College of Science and Mathematics; Dental College of Georgia; Hull College of Business; Medical College of Georgia; Pamplin College of Arts, Humanities and Social Sciences; the School of Computer and Cyber Sciences; and the School of Public Health. Our faculty excels in cultivating and modeling supportive, collegial and professional relationships with students. The Graduate School offers a wide range of programs designed to train successful and innovative leaders, scholars, researchers, educators and clinicians to advance their field and impact their community and the world.

augusta.edu/gradschool

College Administration

Dean: Jennifer Sullivan, PhD
Vice Dean: Patricia Cameron, PhD
Assistant Dean: Elena Dent, PhD
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Section X: General Education/ Core IMPACTS

From the origins of intellectual study to the present, general education has been a key to a fulfilling life of self-knowledge, self-reflection, critical awareness, and lifelong learning. General education has traditionally focused on oral and written communication, quantitative reasoning and mathematics, studies in culture and society, scientific reasoning, and aesthetic appreciation. Today, general education also assists students in their understanding of technology, information literacy, diversity, and global awareness. In meeting all these needs, general education provides college students with their best opportunity to experience the breadth of human knowledge and the ways that knowledge in various disciplines is interrelated. In the University System of Georgia, the general education program is known as the Core Curriculum.

The USG Core Curriculum, Core IMPACTS, is designed to ensure that students acquire essential knowledge in foundational academic areas and develop career-ready competencies. The attainment of Core IMPACTS learning outcomes prepares responsible, reflective citizens who adapt constructively to change. The Core IMPACTS requirements impart knowledge, values, skills, and behaviors related to critical thinking, logical problem-solving, teamwork, time management, informational literacy, inquiry and analysis, intercultural competence, persuasion, and ethical reasoning. Core IMPACTS includes opportunities for interdisciplinary learning and experiences that increase intellectual curiosity, providing the basis for advanced study in the variety of fields offered by today's colleges and universities.

As an institution of the University System of Georgia, Augusta University's faculty have carefully designed undergraduate programs which incorporate 60 hours of general education requirements approved by the Board of Regents of the University System of Georgia. The Core Curriculum provides some flexibility in which courses the student takes based on their individual interests; therefore, substitutions of courses from outside core curriculum or from other areas of the core curriculum are generally not permitted except under extraordinary circumstances.

Students should confer with their academic advisor to select the courses best suited for their intended major.

General Education Learning Outcomes

There are seven Core IMPACTS areas: Institutional Priority; **M**athematics and Quantitative Skills; **P**olitical Science and US History; **A**rts, Humanities, and Ethics; **C**ommunicating in Writing; **T**echnology, Mathematics, and Sciences; and **S**ocial Sciences.

Institutional Priority

- Students will demonstrate the ability to think critically and solve problems related to academic priorities at their institution.

Mathematics and Quantitative Skills

- Students will apply mathematical and computational knowledge to interpret, evaluate, and communicate quantitative information using verbal, numerical, graphical, or symbolic forms.

Political Science and U.S. History

- Students will demonstrate knowledge of the history of the United States, the history of Georgia, and the provisions and principles of the United States Constitution and the Constitution of Georgia.

Arts, Humanities, and Ethics

- Students will effectively analyze and interpret the meaning, cultural significance, and ethical implications of literary/philosophical texts in English or other languages, or of works in the visual/performing arts.

Communication in Writing

- Students will communicate effectively in writing, demonstrating clear organization and structure, using appropriate grammar and writing conventions.
- Students will appropriately acknowledge the use of materials from original sources.
- Students will adapt their written communications to purpose and audience.
- Students will analyze and draw informed inferences from written texts.

Technology, Mathematics, and Sciences

- Students will use the scientific method and laboratory procedures or mathematical and computational methods to analyze data, solve problems, and explain natural phenomena.

Social Sciences

- Students will effectively analyze the complexity of human behavior, and how historical, economic, political, social, or geographic relationships develop, persist, or change.

Core IMPACTS Requirements

Institutional Priority (Institution): 4 Hours

Academic Inquiry: 1 Hour

INQR 1000 - Fundamentals of Academic Inquiry (1 Credit Hour)

Communication: 3 Hours

Select one of the following:

COMM 1100 - Fundamentals of Human Communication (3 Credit Hours)

COMM 1110 - Public Speaking (3 Credit Hours)

Mathematics and Quantitative Skills (Mathematics): 3 Hours

Students must enroll in a Mathematical and Quantitative Skills course, depending on placement, in their first semester at Augusta University unless they have received equivalent credit for a course via transfer or credit for prior learning. Students must continue to register for Mathematical and Quantitative Skills courses each successive semester until they have completed an appropriate course with a successful grade depending on degree requirements. Mathematical and Quantitative Skills courses should be completed within the first 30 hours of a student's undergraduate degree program.

Option I - Non-Science Majors:

Select one of the following:

MATH 1001 - Quantitative Reasoning (3 Credit Hours) *(Not every Non-Science major can use this course. Please consult academic advisor for the appropriate course.)*

MATH 1111 - College Algebra (3 Credit Hours)

MATH 1113 - Precalculus Mathematics (3 Credit Hours)

MATH 1401 - Elementary Statistics (3 Credit Hours)

MATH 1401H - Honors: Elementary Statistics (3 Credit Hours)

MATH 2011 - Calculus and Analytical Geometry I (4 Credit Hours) *(Note: 4th credit hour counted in non-core 60 hours)*

MATH 2011H - Honors: Calculus and Analytical Geometry I (4 Credit Hours) *(Note: 4th credit hour counted in non-core 60 hours)*

Option II - Science Majors:

Applies to Biology, Chemistry, Computer Science, Mathematics, and Physics majors.

Select one of the following:

MATH 1113 - Precalculus Mathematics (3 Credit Hours)

MATH 2011 - Calculus and Analytical Geometry I (4 Credit Hours) *(Note: 4th hour counted in Field of Study Area or non-core 60 hours)*

MATH 2011H - Honors: Calculus and Analytical Geometry I (4 Credit Hours) *(Note: 4th hour counted in Field of Study Area or non-core 60 hours)*

Option III - Health Science Majors:

Select one of the following:

MATH 1111 - College Algebra (3 Credit Hours) *(Not every Health Science major can use this course; please consult with academic advisor for the appropriate course)*

MATH 1113 - Precalculus Mathematics (3 Credit Hours)

MATH 2011 - Calculus and Analytical Geometry I (4 Credit Hours) *(Note: 4th hour counted in Field of Study Area or non-core 60 hours)*

MATH 2011H - Honors: Calculus and Analytical Geometry I (4 Credit Hours) *(Note: 4th hour counted in Field of Study Area or non-core 60 hours)*

Political Science and U.S. History (Citizenship): 6 Hours

Political Science: 3 Hours

POLS 1101 - Introduction to American Government (3 Credit Hours)

History: 3 Hours

Select one of the following:

HIST 2111 - United States to 1877 (3 Credit Hours)

HIST 2112 - United States Since 1877 (3 Credit Hours)

Arts, Humanities, and Ethics (Humanities): 6 Hours

Select two of the following:

ARAB 1001 - Elementary Modern Standard Arabic I (4 Credit Hours)

ARAB 1002 - Elementary Modern Standard Arabic II (4 Credit Hours)

ARAB 2001 - Intermediate Modern Standard Arabic I (4 Credit Hours)

ARAB 2002 - Intermediate Modern Standard Arabic II (4 Credit Hours)

ART 2010 - The Marvel of Art (3 Credit Hours)

CHNS 1001 - Elementary Chinese I (3 Credit Hours)

CHNS 1002 - Elementary Chinese II (3 Credit Hours)

CHNS 2001 - Intermediate Chinese I (3 Credit Hours)

CHNS 2002 - Intermediate Chinese II (3 Credit Hours)

ENGL 2060 - Introduction to Literature (3 Credit Hours)

ENGL 2111 - World Literature I (3 Credit Hours)

ENGL 2112 - World Literature II (3 Credit Hours)

ENGL 2121 - British Literature I (3 Credit Hours)

ENGL 2122 - British Literature II (3 Credit Hours)

ENGL 2130 - American Literature (3 Credit Hours)

ENGL 2131 - American Literature I (3 Credit Hours)

ENGL 2132 - American Literature II (3 Credit Hours)

FILM 1100 - Film Appreciation (3 Credit Hours)

FREN 1001 - Elementary French I (3 Credit Hours)

FREN 1002 - Elementary French II (3 Credit Hours)
 FREN 2001 - Intermediate French I (3 Credit Hours)
 FREN 2002 - Intermediate French II (3 Credit Hours)
 GRMN 1001 - Elementary German I (3 Credit Hours)
 GRMN 1002 - Elementary German II (3 Credit Hours)
 GRMN 2001 - Intermediate German I (3 Credit Hours)
 GRMN 2002 - Intermediate German II (3 Credit Hours)
 HUMN 2010 - Human Experience and Meaning (3 Credit Hours)
 MUSI 2320 - Rock n' Roll and Society (3 Credit Hours)
 MUSI 2340 - Music of the Spheres (3 Credit Hours)
 MUSI 2350 - The World of Film Music (3 Credit Hours)
 PHIL 2010 - Introduction to Philosophy (3 Credit Hours)
 PHIL 2020 - Introduction to Critical Thinking (3 Credit Hours)
 PHIL 2030 - Introduction to Ethics (3 Credit Hours)
 SPAN 1001 - Elementary Spanish I (3 Credit Hours)
 SPAN 1002 - Elementary Spanish II (3 Credit Hours)
 SPAN 2001 - Intermediate Spanish I (3 Credit Hours)
 SPAN 2002 - Intermediate Spanish II (3 Credit Hours)
 THEA 1100 - Theatre Appreciation (3 Credit Hours)

Communicating in Writing (Writing): 6 Hours

A grade of C or better is required in all Communicating in Writing area courses.

Students must enroll in ENGL 1101 in their first semester at Augusta University, unless they have received equivalent credit for the course via transfer or credit for prior learning. Students must continue to register for ENGL 1101 each successive semester until they have completed the course with a grade of C or better.

Students who complete ENGL 1101 must then enroll in ENGL 1102 no later than the first semester in which they enroll following completion of ENGL 1101. Students must continue to register for ENGL 1102 each successive semester until they have completed the course with a grade of C or better.

Both ENGL 1101 and ENGL 1102 should be completed within the first 30 hours of a student's undergraduate degree program.

ENGL 1101 - College Composition I (3 Credit Hours) or ENGL 1101H - Honors College Composition I (3 Credit Hours)

ENGL 1102 - College Composition II (3 Credit Hours) or ENGL 1102H - Honors College Composition II (3 Credit Hours)

Technology, Mathematics and Sciences (STEM): 11 Hours

Option I - Non-Science Majors:

Laboratory Course Sequences: 8 Hours

Select two of the following:

- 1) ANTH 1105 - Introduction to Biological Anthropology (3 Credit Hours) and ANTH 1105L - Introduction to Biological Anthropology Laboratory (1 Credit Hour)
- 2) ASTR 1000 - Introduction to the Universe (4 Credit Hours)
- 3) BIOL 1101 - Fundamentals of Biology (3 Credit Hours) and BIOL 1101L - Fundamentals of Biology Laboratory (1 Credit Hour)
or BIOL 1107 - Principles of Biology I (3 Credit Hours) and BIOL 1107L - Principles of Biology I Laboratory (1 Credit Hour)

- 4) BIOL 1102 - Environmental Biology (3 Credit Hours) and BIOL 1102L - Environmental Biology Laboratory (1 Credit Hour)
or BIOL 1108 - Principles of Biology II (3 Credit Hours) and BIOL 1108L - Principles of Biology II Laboratory (1 Credit Hour)
- 5) CHEM 1151 - Survey of Chemistry I (4 Credit Hours)
or CHEM 1211 - Principles of Chemistry I (3 Credit Hours) and CHEM 1211L - Principles of Chemistry I Laboratory (1 Credit Hour)
- 6 CHEM 1152 - Survey of Chemistry II (4 Credit Hours)
or CHEM 1212 - Principles of Chemistry II (3 Credit Hours) and CHEM 1212L - Principles of Chemistry II Laboratory (1 Credit Hour)
- 7 GEOG 1112 - Introduction to Weather and Climate (4 Credit Hours)
- 8 GEOL 1121 - Introductory Geosciences I: Physical Geology (4 Credit Hours)
- 9) GEOL 1122 - Introductory Geosciences II: Historical Geology (4 Credit Hours)
- 10) PHSC 1011 - Physical Science (4 Credit Hours)
- 11) PHYS 1111 - Introductory Physics I (3 Credit Hours) and PHYS 1111L - Introductory Physics I Laboratory (1 Credit Hour)
or PHYS 2211 - Principles of Physics I (4 Credit Hours)
- 12) PHYS 1112 - Introductory Physics II (3 Credit Hours) and PHYS 1112L - Introductory Physics II Laboratory (1 Credit Hour)
or PHYS 2212 - Principles of Physics II (4 Credit Hours)

Additional Technology, Mathematics, or Science Course: 3 Hours

Select one additional course from those listed above or from the following:

- CHEM 1100 - Introductory Chemistry: Selected Topics (3 Credit Hours)
 DATA 1501 - Introduction to Data Science (3 Credit Hours)
 MATH 1113 - Precalculus Mathematics (3 Credit Hours)
 MATH 1401 - Elementary Statistics (3 Credit Hours)
 MATH 2011 - Calculus and Analytical Geometry I (4 Credit Hours) (Note: 4th hour counted in non-core 60 hours.)
 MATH 2012 - Calculus and Analytical Geometry II (4 Credit Hours) (Note: 4th hour counted in non-core 60 hours.)
 PHYS 1010 - Fundamentals of Physics: Selected Topics (3 Credit Hours)

Option II - Science Majors:

Laboratory Course Sequence: 8 Hours

Select one of the following laboratory course sequences:

Principles of Biology

- BIOL 1107 - Principles of Biology I (3 Credit Hours)
 BIOL 1107L - Principles of Biology I Laboratory (1 Credit Hour)
 BIOL 1108 - Principles of Biology II (3 Credit Hours)
 BIOL 1108L - Principles of Biology II Laboratory (1 Credit Hour)

Principles of Chemistry

- CHEM 1211 - Principles of Chemistry I (3 Credit Hours)
 CHEM 1211L - Principles of Chemistry I Laboratory (1 Credit Hour)
 CHEM 1212 - Principles of Chemistry II (3 Credit Hours)
 CHEM 1212L - Principles of Chemistry II Laboratory (1 Credit Hour)

Introductory Physics

- PHYS 1111 - Introductory Physics I (3 Credit Hours)
 PHYS 1111L - Introductory Physics I Laboratory (1 Credit Hour)
 PHYS 1112 - Introductory Physics II (3 Credit Hours)
 PHYS 1112L - Introductory Physics II Laboratory (1 Credit Hour)

Principles of Physics

PHYS 2211 - Principles of Physics I (4 Credit Hours)
PHYS 2212 - Principles of Physics II (4 Credit Hours)

Mathematics Course: 3 Hours

Select one of the following:

MATH 2011 - Calculus and Analytical Geometry I (4 Credit Hours) (Note: 4th hour counted in Field of Study Area or non-core 60 hours)
MATH 2012 - Calculus and Analytical Geometry II (4 Credit Hours) (Note: 4th hour counted in Field of Study Area or non-core 60 hours)
MATH 1401 - Elementary Statistics (3 Credit Hours) (This option is only available to Biology majors)

Option III - Health Science Majors:

For all health science majors, with the exception of the Bachelor of Science in Health Information Administration, which follows Option I.

Laboratory Course Sequence: 8 Hours

Select one of the following laboratory course sequences:

Introduction to Biology

BIOL 1101 - Fundamentals of Biology (3 Credit Hours)
BIOL 1101L - Fundamentals of Biology Laboratory (1 Credit Hour)
BIOL 1102 - Environmental Biology (3 Credit Hours)
BIOL 1102L - Environmental Biology Laboratory (1 Credit Hour)

Principles of Biology

BIOL 1107 - Principles of Biology I (3 Credit Hours)
BIOL 1107L - Principles of Biology I Laboratory (1 Credit Hour)
BIOL 1108 - Principles of Biology II (3 Credit Hours)
BIOL 1108L - Principles of Biology II Laboratory (1 Credit Hour)

Survey of Chemistry

CHEM 1151 - Survey of Chemistry I (4 Credit Hours)
CHEM 1152 - Survey of Chemistry II (4 Credit Hours)

Principles of Chemistry

CHEM 1211 - Principles of Chemistry I (3 Credit Hours)
CHEM 1211L - Principles of Chemistry I Laboratory (1 Credit Hour)
CHEM 1212 - Principles of Chemistry II (3 Credit Hours)
CHEM 1212L - Principles of Chemistry II Laboratory (1 Credit Hour)

Introductory Physics

PHYS 1111 - Introductory Physics I (3 Credit Hours)
PHYS 1111L - Introductory Physics I Laboratory (1 Credit Hour)
PHYS 1112 - Introductory Physics II (3 Credit Hours)
PHYS 1112L - Introductory Physics II Laboratory (1 Credit Hour)

Principles of Physics

PHYS 2211 - Principles of Physics I (4 Credit Hours)
PHYS 2212 - Principles of Physics II (4 Credit Hours)

Additional Mathematics or Science Course: 3 Hours

Select one additional course from those listed above or from the following:

CHEM 1100 - Introductory Chemistry: Selected Topics (3 Credit Hours)
MATH 1113 - Precalculus Mathematics (3 Credit Hours)
MATH 1401 - Elementary Statistics (3 Credit Hours)

MATH 2011 - Calculus and Analytical Geometry I (4 Credit Hours) *(Note: 4th hour counted in non-core 60 hours)*

MATH 2012 - Calculus and Analytical Geometry II (4 Credit Hours) *(Note: 4th hour counted in non-core 60 hours)*

PHYS 1010 - Fundamentals of Physics: Selected Topics (3 Credit Hours)

Social Sciences (Social Sciences): 6 Hours

First Social Science Course: 3 Hours

Select one of the following:

ANTH 2011 - Cultural Anthropology (3 Credit Hours)

ECON 1101 - Economics of Financial Literacy (3 Credit Hours)

PSYC 1101 - Introduction to General Psychology (3 Credit Hours)

SOCI 1101 - Introduction to Sociology (3 Credit Hours)

Second Social Science Course: 3 Hours

Select one of the following not already taken above:

ANTH 1102 - Introductory Anthropology (3 Credit Hours)

ANTH 2011 - Cultural Anthropology (3 Credit Hours)

ECON 1101 - Economics of Financial Literacy (3 Credit Hours)

ECON 1810 - Introduction to Economics (3 Credit Hours)

ECON 2105 - Macroeconomics (3 Credit Hours)

ECON 2106 - Microeconomics (3 Credit Hours)

GEOG 1111 - World Geography (3 Credit Hours)

HIST 1111 - Pre-Modern World Civilization (3 Credit Hours)

HIST 1112 - Modern World Civilization (3 Credit Hours)

HIST 2111 - United States to 1877 (3 Credit Hours)

HIST 2112 - United States Since 1877 (3 Credit Hours)

POLS 2401 - Introduction to Global Issues (3 Credit Hours)

PSYC 1101 - Introduction to General Psychology (3 Credit Hours)

PSYC 2150 - Introduction to Human Diversity (3 Credit Hours)

SOCI 1101 - Introduction to Sociology (3 Credit Hours)

SOCI 1160 - Social Problems Analysis (3 Credit Hours)

SOCI 2241 - Social and Cultural Diversity (3 Credit Hours)

SOWK 1101 - Introduction to Social Work Practices (3 Credit Hours)

Core IMPACTS Total: 42 Hours

Field of Study: 18 Hours

The "Field of Study" requirement refers to courses taken by students that are directly related to their chosen major and are part of their general education curriculum. These courses are usually taken during the first two years of their degree program, alongside the Core IMPACTS courses. See specific undergraduate degree programs for details and requirements.

Core IMPACTS + Field of Study Total: 60 Hours

Section XI: Undergraduate Academic Programs

Undergraduate Majors/Bachelor's Degrees

Bachelor of Arts

- Bachelor of Arts with a Major in Anthropology
- Bachelor of Arts with a Major in Art
- Bachelor of Arts with a Major in Communication
- Bachelor of Arts with a Major in Criminal Justice
- Bachelor of Arts with a Major in English and a Concentration in Creative Writing
- Bachelor of Arts with a Major in English and a Concentration in Literature
- Bachelor of Arts with a Major in English and a Concentration in Professional Writing and Rhetoric
- Bachelor of Arts with a Major in English and a Secondary Teacher Certification
- Bachelor of Arts with a Major in Health, Society, and Policy
- Bachelor of Arts with a Major in History
- Bachelor of Arts with a Major in History and a Concentration in Public History
- Bachelor of Arts with a Major in History and a Secondary Teacher Certification
- Bachelor of Arts with a Major in Integrated Studies
- Bachelor of Arts with a Major in Music
- Bachelor of Arts with a Major in Music and an Emphasis in Music Industry Studies
- Bachelor of Arts with a Major in Nonprofit Leadership and Administration
- Bachelor of Arts with a Major in Political Science
- Bachelor of Arts with a Major in Political Science and a Secondary Teacher Certification
- Bachelor of Arts with a Major in Sociology
- Bachelor of Arts with a Major in Sports Management

Bachelor of Arts in World Languages

- Bachelor of Arts in World Languages and a Concentration in French
- Bachelor of Arts in World Languages and a Concentration in French with P-12 Teacher Certification
- Bachelor of Arts in World Languages with a Concentration in Spanish
- Bachelor of Arts in World Languages with a Concentration in Spanish with P-12 Teacher Certification

Bachelor of Business Administration

- Bachelor of Business Administration
- Bachelor of Business Administration with a Concentration in Business Economics
- Bachelor of Business Administration with a Concentration in Corporate Finance
- Bachelor of Business Administration with a Concentration in Digital Marketing
- Bachelor of Business Administration with a Concentration in Finance
- Bachelor of Business Administration with a Concentration in Financial Economics
- Bachelor of Business Administration with a Concentration in Financial Planning and Counseling
- Bachelor of Business Administration with a Concentration in Healthcare Management
- Bachelor of Business Administration with a Concentration in Human Resources Management
- Bachelor of Business Administration with a Concentration in Investments
- Bachelor of Business Administration with a Concentration in Management
- Bachelor of Business Administration with a Concentration in Marketing
- Bachelor of Business Administration with a Concentration in Professional Sales

- Bachelor of Business Administration with a Concentration in Supply Chain Management
- Bachelor of Business Administration with a Major in Accounting

Bachelor of Fine Arts

- Bachelor of Fine Arts with a Major in Art
- Bachelor of Fine Arts with a Major in Art and a Concentration in Animation
- Bachelor of Fine Arts with a Major in Art and a Concentration in Drawing/Painting
- Bachelor of Fine Arts with a Major in Art and a Concentration in Graphic Design
- Bachelor of Fine Arts with a Major in Art and a Concentration in Printmaking/Photography
- Bachelor of Fine Arts with a Major in Art and a Concentration in Sculpture/Ceramics
- Bachelor of Fine Arts with a Major in Digital and Visual Storytelling

Bachelor of Music

- Bachelor of Music with a Major in Music Education and a Concentration in Instrumental
- Bachelor of Music with a Major in Music Education and a Concentration in Vocal
- Bachelor of Music with a Major in Performance and a Concentration in Instrumental
- Bachelor of Music with a Major in Performance and a Concentration in Jazz Studies
- Bachelor of Music with a Major in Performance and a Concentration in Piano
- Bachelor of Music with a Major in Performance and a Concentration in Vocal

Bachelor of Science

- Bachelor of Science with a Major in Biology
- Bachelor of Science with a Major in Biology and a Concentration in Ecology
- Bachelor of Science with a Major in Biomedical Systems Engineering
- Bachelor of Science with a Major in Cell and Molecular Biology
- Bachelor of Science with a Major in Chemistry and a Concentration in Biochemistry
- Bachelor of Science with a Major in Chemistry and a Concentration in Forensic Science
- Bachelor of Science with a Major in Chemistry and a Concentration in Medicinal Chemistry
- Bachelor of Science with a Major in Chemistry and a Concentration in Nuclear Science
- Bachelor of Science with a Major in Chemistry and a Concentration in Professional Chemistry
- Bachelor of Science with a Major in Computer Science
- Bachelor of Science with a Major in Cyber Operations
- Bachelor of Science with a Major in Cybersecurity
- Bachelor of Science with a Major in Cybersecurity Engineering
- Bachelor of Science with a Major in Data Science
- Bachelor of Science with a Major in Health Services
- Bachelor of Science with a Major in Health Services and a Concentration in Pre-Speech-Language Pathology
- Bachelor of Science with a Major in Mathematics
- Bachelor of Science with a Major in Mathematics and a Concentration in Biostatistics or Statistics
- Bachelor of Science with a Major in Mathematics with Secondary Teacher Certification
- Bachelor of Science with a Major in Neuroscience
- Bachelor of Science with a Major in Physics
- Bachelor of Science with a Major in Physics and a Concentration in Nuclear Science
- Bachelor of Science with a Major in Psychology

Bachelor of Science in Clinical Laboratory Science

- Bachelor of Science in Clinical Laboratory Science
- Bachelor of Science in Clinical Laboratory Science for Certified MLTs/CLTs and the Military

Bachelor of Science in Dental Hygiene

- Bachelor of Science in Dental Hygiene

- Bachelor of Science in Dental Hygiene - Degree Completion Track

Bachelor of Science in Education

- Bachelor of Science in Education with a Major in Elementary Education
- Bachelor of Science in Education with a Major in Middle Grades Education
- Bachelor of Science in Education with a Major in Special Education

Bachelor of Science in Health Information Administration

- Bachelor of Science in Health Information Administration

Bachelor of Science in Information Technology

- Bachelor of Science in Information Technology
- Bachelor of Science in Information Technology with a Concentration in Business

Bachelor of Science in Kinesiology

- Bachelor of Science in Kinesiology with a Concentration in Exercise and Sports Science
- Bachelor of Science in Kinesiology with a Concentration in Health Science
- Bachelor of Science in Kinesiology with a Concentration in Medical Professions
- Bachelor of Science in Kinesiology with a Concentration in Nutrition
- Bachelor of Science in Kinesiology with a Concentration in Pre-Physical Therapy

Bachelor of Science in Nursing

- Bachelor of Science in Nursing

Bachelor of Science in Radiologic Sciences

- Bachelor of Science in Radiologic Sciences with a Major in Nuclear Medicine Technology
- Bachelor of Science in Radiologic Sciences with a Major in Radiation Therapy

Bachelor of Science in Respiratory Therapy

- Bachelor of Science in Respiratory Therapy

Bachelor of Social Work

- Bachelor of Social Work

Dual Degrees/Accelerated Programs

Accelerated Bachelor's to Master's

- Accelerated Bachelor of Arts with a Major in Communication to Master of Public Administration
- Accelerated Bachelor of Arts with a Major in Communication to Master of Arts in Intelligence and Security Studies with a Concentration in Social Influence
- Accelerated Bachelor of Arts with a Major in Criminal Justice to Master of Arts in Intelligence and Security Studies
- Accelerated Bachelor of Arts with a Major in Criminal Justice to Master of Public Administration
- Accelerated Bachelor of Arts with a Major in Health, Society, and Policy to Master of Science in Epidemiology
- Accelerated Bachelor of Arts with a Major in History to Master of Arts in Intelligence and Security Studies
- Accelerated Bachelor of Arts with a Major in Integrated Studies to Master of Arts in Intelligence and Security Studies
- Accelerated Bachelor of Arts with a Major in Integrated Studies to Master of Public Administration
- Accelerated Bachelor of Arts with a Major in Nonprofit Leadership and Administration to Master of Public Administration

- Accelerated Bachelor of Arts with a Major in Political Science to Master of Arts in Intelligence and Security Studies
- Accelerated Bachelor of Arts with a Major in Political Science to Master of Public Administration
- Accelerated Bachelor of Science in Kinesiology with a Concentration in Health Science or Exercise and Sports Science to Master of Science in Kinesiology
- Accelerated Bachelor of Science with a Major in Cybersecurity Engineering to Master of Science in Computer Science
- Accelerated Bachelor of Science with a Major in Mathematics to Master of Science in Biostatistics
- Accelerated Bachelor of Science with a Major in Mathematics to Master of Science in Data Science
- Accelerated Bachelor of Science with a Major in Psychology to Master of Arts in Intelligence and Security Studies with a Concentration in Social Influence

Accelerated Bachelor's to Professional

- Accelerated Bachelor of Science with a Major in Cell and Molecular Biology to Doctor of Dental Medicine
- Accelerated Bachelor of Science with a Major in Cell and Molecular Biology to Doctor of Medicine

Undergraduate Minors

- Minor in Accounting
- Minor in Anthropology
- Minor in Art
- Minor in Biology
- Minor in Business Administration
- Minor in Chemistry
- Minor in Communication
- Minor in Computer Science
- Minor in Criminal Justice
- Minor in Economics
- Minor in English Literature
- Minor in English Writing
- Minor in French
- Minor in General Studies
- Minor in German
- Minor in Gerontology
- Minor in History
- Minor in International Studies
- Minor in Kinesiology
- Minor in Mathematics
- Minor in Military Science
- Minor in Music
- Minor in Neuroscience
- Minor in Nonprofit Management
- Minor in Philosophy
- Minor in Physics
- Minor in Political Science
- Minor in Psychology
- Minor in Sociology
- Minor in Spanish
- Minor in Women's and Gender Studies

Undergraduate Certificates

Certificate: One-Year

- Certificate of One Year in Advanced Cyber Defender

Certificate: Less than One Year

- Certificate of Less than One Year in Cultural Diversity in Healthcare
- Certificate of Less than One Year in Cyber Defender
- Certificate of Less than One Year in European Union Studies
- Certificate of Less than One Year in Filmmaking
- Certificate of Less than One Year in Health Humanities
- Certificate of Less than One Year in Hospitality Administration
- Certificate of Less than One Year in Leadership
- Certificate of Less than One Year in Legal Studies
- Certificate of Less than One Year in Linguistics
- Certificate of Less than One Year in Media Production
- Certificate of Less than One Year in Museum Studies
- Certificate of Less than One Year in Music Industry Studies
- Certificate of Less than One Year in National Security Studies
- Certificate of Less than One Year in Public Health Innovation and Small Business Management
- Certificate of Less than One Year in Public Relations
- Certificate of Less than One Year in Teach English to Speakers of Other Languages (TESOL)
- Certificate of Less than One Year in Theater Performance

Other Programs

- Honors Program
- Military Science Curriculum
- Pre-Engineering and Regents Engineering Pathways Curriculum

Bachelor's Degrees

Bachelor of Arts

Bachelor of Arts with a Major in Anthropology

Program Overview

Anthropology studies all aspects of human culture, past and present, including human biological and cultural diversity, human origins, the origins and development of cultural complexity, analyzing material artifacts, preserving heritage, and understanding and solving problems related to globalization and the multicultural environments it creates in business, healthcare, education, government, NGOs, etc. that individuals and societies must negotiate in the modern world.

augusta.edu/pamplin/hist-anth-phil/anthropology

Program Contact

Ruth McClelland-Nugent

706-737-1709

hap@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

A grade of C or better is required in all Field of Study and Major Concentration courses.

Program Information

Program Length: 4 Years

Academic Focus Area: Social Sciences [SOSC]

CIP Code: 45.0201

Program Code: 1BA-ANTH

Major Code: ANTH

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

ANTH 1102 - Introductory Anthropology (3 Credit Hours)

ANTH 2011 - Cultural Anthropology (3 Credit Hours)

HIST 1111 - Pre-Modern World Civilization (3 Credit Hours)
or HIST 1112 - Modern World Civilization (3 Credit Hours)

Plus select one of the following sequences: 6 Hours

MATH 1401 - Elementary Statistics (3 Credit Hours)

and MINF 2201 - Microcomputer Applications (3 Credit Hours)

Foreign Language Sequence (6 Credit Hours)

Plus select one of the following: 3 Hours

ECON 1810 - Introduction to Economics (3 Credit Hours)
 ECON 2105 - Macroeconomics (3 Credit Hours)
 ECON 2106 - Microeconomics (3 Credit Hours)
 GEOG 1111 - World Geography (3 Credit Hours)
 HONR 1900 - Honors: Contemporary Issues (3 Credit Hours)
 HIST 1111 - Pre-Modern World Civilization (3 Credit Hours)
 HIST 1112 - Modern World Civilization (3 Credit Hours)
 MATH 1401 - Elementary Statistics (3 Credit Hours)
 PHIL 2010 - Introduction to Philosophy (3 Credit Hours)
 PHIL 2020 - Introduction to Critical Thinking (3 Credit Hours)
 POLS 2401 - Introduction to Global Issues (3 Credit Hours)
 WGST 1101 - Introduction to Women's and Gender Studies (3 Credit Hours)

Major Courses: 28 Hours

Required Courses: 7 Hours

ANTH 3001 - Methods in Cultural Anthropology (4 Credit Hours)
 or ANTH 3002 - Methods in Archaeology (4 Credit Hours)
 ANTH 3831 - Archaeology (3 Credit Hours)
 or ANTH 3841 - Biological Anthropology (3 Credit Hours)

Electives: 21 Hours

Select from the following to fulfill this requirement:

ANTH 3XXX
 ANTH 4XXX

Minor or Certificate Courses: 15-18 Hours

Select and fulfill the requirements of a minor or certificate in a different discipline than the major.

Free Electives: 14-17 Hours

As needed to complete the credit hours required for graduation. Select from any non-WELL courses.

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)
 WELL XXXX - Activity Course (1 Credit Hour)
 WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Arts with a Major in Art

Program Overview

The Bachelor of Arts program is a broad-based studio concentration for students interested in art. With fewer requirements in studio arts, students have a great deal of flexibility to include a wide range of courses to suit their interests, including humanities, science, mathematics, social/behavioral classes or foreign languages.

augusta.edu/pamplin/art

Program Contact

Scott Thorp, MFA
706-667-4888
AUART@augusta.edu

Program Accreditation

The art and design unit is accredited by the National Association of Schools of Art and Design.

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- **Portfolio Review:** All art majors are required to submit their work for a review by all full-time Department of Art and Design faculty after the completion of the following courses: ART 1211, ART 1520, ART 1530, and 12 additional hours of studio art courses (21 hours total). Portfolio reviews are scheduled at the end of the fall and spring semesters. Passing the portfolio review is a prerequisite for ART 4998 which is a graduation requirement. Portfolio review occurs on the day after the last day of class of the fall and spring semesters. Transfer students must meet this requirement with the provision that a minimum of three hours be done while in residency at the university and that the transfer courses for the remaining 18 hrs. be equivalent to the required courses listed above. Each student should submit a minimum of 15 studio works. These are to include both two-dimensional and three-dimensional works. See the Department of Art and Design for specific portfolio requirements.
- **Senior Exhibition:** The BA degree candidate is required to pass to graduate. The work for this exhibition must be accepted and judged by a full-time Department of Art and Design faculty mentor and ART 4998 instructor as demonstrating significant quality and quantity to warrant the earning of the BA degree.

Program Information

Program Length: 4 Years
Academic Focus Area: Arts and Humanities [HUAR]
CIP Code: 50.0706
Program Code: 1BA-ART
Major Code: ART

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

Grade of C or better is required in Field of Study Courses.

ART 1211 - Drawing I: An Introduction to Techniques and Methods of Expression (3 Credit Hours)

ART 1520 - Two-Dimensional Design (3 Credit Hours)

ART 1530 – Three-Dimensional Design (3 Credit Hours)

ART 2611 - Art History I Learning the A's and B's of Enacting Art History (3 Credit Hours)

ART 2612 - Art History II: Charting the Historical Emergence of Modernism (3 Credit Hours)

ART 2700 - Color Experience and Theory (3 Credit Hours)

Major Courses: 42 Hours

Required Courses: 18 Hours

ART 3212 - Drawing II (3 Credit Hours)

ART 3221 - Painting I for Art Majors and Art Minors (3 Credit Hours)

ART 3231 - Photography I for Art Majors and Art Minors (3 Credit Hours)

ART 3251 - Printmaking I (3 Credit Hours)

ART 3401 - Ceramics I for Art Majors and Art Minors (3 Credit Hours)

ART 3721 - Aesthetics and Philosophy of Art: Deepening the Engagement with Art (3 Credit Hours)

Select one: 3 Hours

ART 3213 - Drawing III: Figure Drawing (3 Credit Hours)

ART 3331 - Sculpture: Figure Modeling I (3 Credit Hours)

Select one: 3 Hours

ART 3311 - Sculpture: Carving I (3 Credit Hours)

ART 4321 - Sculpture: Casting I (3 Credit Hours)

ART 4331 - Sculpture: Installation I (3 Credit Hours)

ART 4341 - Sculpture: Mixed Media I (3 Credit Hours)

Upper-Division Art History: 6 Hours

Select two of the following:

ART 4620 - Art Since World War II: Exploring Modernism, Neo-Avantgardism, and Beyond (3 Credit Hours)

ART 4640 - Raphael (3 Credit Hours)

ART 4650 - Early Renaissance Italian Painting: Pre-History of Contemporary Visual Culture (3 Credit Hours)

SABR 4930 - Studies Abroad (1 to 12 Credit Hours)*

** with Art History instructor approval*

Upper-Division Studio or Art History: 6 Hours

Any 3000/4000 level Studio or Art History course

Any 3000/4000 level Studio or Art History course

Professional Practice: 3 Hours

ART 4998 - Professional Practice (BA) (3 Credit Hours)

Free Electives: 6 Hours

Select 6 hours of elective courses.

Minor Field: 18 Hours

Select a minor.

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)

WELL XXXX - Activity Course (1 Credit Hour)

WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Arts with a Major in Communication

Program Overview

The Bachelor of Arts degree in Communication includes coursework in oral, written, and mediated communication. Students complete a core of theory, writing, speaking, and audiovisual media production courses, select five elective courses from the major, and finish with a senior capstone seminar course/professional portfolio. Students also will complete twenty-seven hours of elective courses, which may include coursework for minors, certificates, additional degrees, or free elective courses. Many

students also complete professional internships in related fields. Disciplines covered by the degree include communication studies, journalism, public relations, sports media, health communication, and digital media production.

augusta.edu/pamplin/communication

Program Contact

David Bulla
706-729-2416
communication@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- Students must receive grades of C or better for COMM 2000, COMM 2010, and COMM 2020; and a grade of D or better for Field of Study electives, unless specified for a course sequence (e.g., a grade of C in SPAN 1001 is required for students to enroll in SPAN 1002).
- Grade of C or better is required for all major courses.

Program Information

Program Length: 4 Years
Academic Focus Area: Arts and Humanities [HUAR]
CIP Code: 09.0101
Program Code: 1BA-COMMUNIC
Major Code: COMM

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

Grade of C or better is required in all Field of Study courses.

COMM 2000 - Writing for Communication Professionals (3 Credit Hours)
COMM 2010 - Media Literacy (3 Credit Hours)
COMM 2020 - Introduction to Research (3 Credit Hours)

Electives: 9 Hours

Field of Study electives may be any combination of 1000-2000 level courses in the following areas: ANTH, ARAB, ART, CHNS, COMM, ENGL, FILM, FITH, FREN, GEOG, GERM, HIST, LDRS, PHIL, POLS, PSYC, SOCI, SOSC, SPAN, THEA, and WGST. Other transferred language courses not taught at Augusta University (i.e., LANG courses) may also count.

Notes:

- *Practicum and internship/practicum courses may be taken for no more than 3 units of total credit in Field of Study courses. Any additional units earned will be counted as elective credit.*
- *Students must receive grades of C or better for COMM 2000, COMM 2010, and COMM 2020; and a grade of D or better for Field of Study electives, unless specified for a course sequence (e.g., C in SPAN 1001 required for student to take SPAN 1002).*

Major Courses: 33 Hours

A grade of C or better is required for all major courses.

Major Keystone Courses: 15 Hours

COMM 3000 - Theoretical Perspectives (3 Credit Hours)
COMM 3010 - Advanced Public Speaking (3 Credit Hours)
COMM 3020 - Writing for Multimedia Platforms (3 Credit Hours)
COMM 3030 - Audiovisual Media Production (3 Credit Hours)
COMM 3600 - Integrated Strategic Communication (3 Credit Hours)

Major Electives: 15 Hours

Select five of the following courses:

COMM 3040 - Interpersonal Communication (3 Credit Hours)
COMM 3060 - History of Mass Media (3 Credit Hours)
COMM 3100 - Communications for Professionals (3 Credit Hours)
COMM 3120 - Television Production (3 Credit Hours)
COMM 3170 - Small Group Communication (3 Credit Hours)
COMM 3180 - Television History (3 Credit Hours)
COMM 3200 - Communication and Popular Culture (3 Credit Hours)
COMM 3220 - Public Relations Writing (3 Credit Hours)
COMM 3250 - Persuasion (3 Credit Hours)
COMM 3300 - Introduction to Visual Communication (3 Credit Hours)
COMM 3320 - Digital Editing (3 Credit Hours)
COMM 3340 - Podcasting and Audio Communication (3 Credit Hours)
COMM 3500 - Intercultural Communication (3 Credit Hours)
COMM 3650 - Health Communication (3 Credit Hours)
COMM 4000 - Communication Law and Ethics (3 Credit Hours)
COMM 4010 - Preparing and Producing Visual Media (3 Credit Hours)
COMM 4020 - Investigative Reporting (3 Credit Hours)
COMM 4120 - Gender and Communication (3 Credit Hours)
COMM 4300 - Visual Storytelling (3 Credit Hours)
COMM 4320 - Public Relations and Social Media Campaigns (3 Credit Hours)
COMM 4340 - Sports Communication (3 Credit Hours)
COMM 4400 - Media Editing and Production (3 Credit Hours)
COMM 4950 - Advanced Special Topics in Communications (3 Credit Hours)
COMM 4960 - Professional Internship (3 to 6 Credit Hours)
COMM 4990 - Undergraduate Student Research (3 Credit Hours)

Major Capstone: 3 Hours

COMM 4970 - Capstone (3 Credit Hours)

Free Electives: 27 Hours

To complete the requirements for the BA in Communication, students also should take twenty-seven elective hours, including 21 hours from 1000 to 4000 level academic courses and 6 hours from 3000-4000 level academic courses.

Free elective courses may include targeted electives, and/or requirements for minors, certificates, or additional degrees.

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)
WELL XXXX - Activity Course (1 Credit Hour)

WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Arts with a Major in Criminal Justice

Program Overview

The Bachelor of Arts in Criminal Justice teaches core criminal justice concepts and theories that help students to analyze and understand criminal behavior and various structures within the criminal justice system. Our majors conduct research using the major data sources used by criminologists, learn to recognize strengths and weaknesses in qualitative and quantitative analyses, and discuss the ethical issues that can arise in the course of research. They also develop an understanding of the administration of justice and the history and philosophy of law enforcement, including issues relevant to the operation of the correctional system and its subsystems. Our faculty are dedicated to student learning, both in the classroom and through community involvement. We have a long tradition of supporting vibrant student organizations and encouraging student involvement in research.

augusta.edu/pamplin/social-sciences/criminal-justice

Program Contact

William Hatcher, PhD

706-737-1710

socsci@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- A grade of C or better is required in all Major Concentration courses.
- Exit Exam required in final term.

Program Information

Program Length: 4 Years

Academic Focus Area: Social Sciences [SOSC]

CIP Code: 43.0104

Program Code: 1BA-CRIM JUS

Major Code: CRIM

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

A grade of C or better is required in these courses.

CRJU 1103 - Introduction to Criminal Justice (3 Credit Hours) (*Grade of C or better*)

POLS 2000 - Society, Law, and the Criminal (3 Credit Hours) (*Grade of C or better*)

SOCI 1101 - Introduction to Sociology (3 Credit Hours) (*Grade of C or better*)

SOCI 1160 - Social Problems Analysis (3 Credit Hours) (*Grade of C or better*)

Elective Courses: 6 Hours

Select six hours from the following not chosen above:

ACCT 2101 - Principles of Accounting I (3 Credit Hours)

CRJU 2950 - Selected Topics (1 to 3 Credit Hours)

ECON 1810 - Introduction to Economics (3 Credit Hours)

or ECON 2105 - Macroeconomics (3 Credit Hours)

or ECON 2106 - Microeconomics (3 Credit Hours)

LDRS 2000 - Introduction to Leadership and Professionalism (3 Credit Hours)

MATH 1401 - Elementary Statistics (3 Credit Hours)

MINF 2201 - Microcomputer Applications (3 Credit Hours)

PHIL 2010 - Introduction to Philosophy (3 Credit Hours)

PHIL 2020 - Introduction to Critical Thinking (3 Credit Hours)

PSYC 1101 - Introduction to General Psychology (3 Credit Hours)

SOCI 2241 - Social and Cultural Diversity (3 Credit Hours) (*Grade of C or better*)

SOWK 1101 - Introduction to Social Work Practices (3 Credit Hours) (*Grade of C or better*)

WGST 1101 - Introduction to Women's and Gender Studies (3 Credit Hours)

A two-course language sequence

Major Concentration: 33 Hours

A grade of C or better is required in each course.

Research Methods: 6 Hours

SOSC 3001 - Methods in Social Science (3 Credit Hours)

SOSC 3002 - Quantitative Analysis in Social Sciences (3 Credit Hours)

or SOSC 3003 - Qualitative Analysis in Social Sciences (3 Credit Hours)

Criminological Theory: 6 Hours

CRJU 3000 - Criminology (3 Credit Hours)

or SOCI 3000 - Criminology (3 Credit Hours)

CRJU 3330 - Social Deviance (3 Credit Hours)

or SOCI 3330 - Social Deviance (3 Credit Hours)

or SOCI 3380 - Sociological Theory (3 Credit Hours)

Law Enforcement Area: 3 Hours

Select one of the following:

CRJU 3327 - Crimes Against People (3 Credit Hours)

CRJU 3328 - Police Science and Investigations (3 Credit Hours)

CRJU 4540 - Law Enforcement in the Digital Age (3 Credit Hours)

Administration of Justice Area: 3 Hours

Select one of the following:

CRJU 3305 - Criminal Evidence (3 Credit Hours)

CRJU 4433 - Juvenile Delinquency and Justice (3 Credit Hours)

POLS 3301 - Judicial Process (3 Credit Hours)

POLS 4401 - Government Organization and Administrative Theory (3 Credit Hours)

POLS 4501 - Constitutional Law: Distribution of Power (3 Credit Hours)

POLS 4601 - Constitutional Law: Civil Liberties (3 Credit Hours)

Corrections Area: 3 Hours

Select one of the following:

CRJU 3333 - Introduction to Corrections (3 Credit Hours)

CRJU 3334 - Institutional Corrections (3 Credit Hours)

CRJU 3335 - Community Corrections (3 Credit Hours)

Demography, Crime, and Justice Area: 3 Hours

Select one of the following:

CRJU 4010 - Hate Crimes (3 Credit Hours)
 CRJU 4162 - Race, Crime, and Justice (3 Credit Hours)
 CRJU 4172 - Comparative Criminal Justice Systems (3 Credit Hours)
 CRJU 3336 - Women, Crime and the Criminal Justice System (3 Credit Hours)
 or SOCI 3336 - Women, Crime and the Criminal Justice System (3 Credit Hours)
 or WGST 3336 - Women, Crime, and the Criminal Justice System (3 Credit Hours)
 CRJU 4336 - Gender and Victimization (3 Credit Hours)
 or SOCI 4336 - Gender and Victimization (3 Credit Hours)
 or WGST 4336 - Gender and Victimization (3 Credit Hours)

Electives: 9 Hours

Select from the following:

Any CRJU 3XXX or CRJU 4XXX course
 CRJU 3000 - Criminology (3 Credit Hours)
 CRJU 3325 - Homeland Security and Counterterrorism (3 Credit Hours)
 CRJU 3327 - Crimes Against People (3 Credit Hours)
 CRJU 3328 - Police Science and Investigations (3 Credit Hours)
 CRJU 3305 - Criminal Evidence (3 Credit Hours)
 CRJU 3330 - Social Deviance (3 Credit Hours)
 CRJU 3331 - Youth and Society (3 Credit Hours)
 CRJU 3333 - Introduction to Corrections (3 Credit Hours)
 CRJU 3334 - Institutional Corrections (3 Credit Hours)
 CRJU 3335 - Community Corrections (3 Credit Hours)
 CRJU 3336 - Women, Crime and the Criminal Justice System (3 Credit Hours)
 CRJU 3341 - White Collar Crime (3 Credit Hours)
 CRJU 3342 - Organized Crime (3 Credit Hours)
 CRJU 3540 - Cyber Crime (3 Credit Hours)
 CRJU 3950 - Selected Topics (1 to 3 Credit Hours)
 CRJU 4010 - Hate Crimes (3 Credit Hours)
 CRJU 4162 - Race, Crime, and Justice (3 Credit Hours)
 CRJU 4172 - Comparative Criminal Justice Systems (3 Credit Hours)
 CRJU 4336 - Gender and Victimization (3 Credit Hours)
 CRJU 4433 - Juvenile Delinquency and Justice (3 Credit Hours)
 CRJU 4436 - Obedience and Authority (3 Credit Hours)
 CRJU 4441 - Violence and the South (3 Credit Hours)
 CRJU 4950 - Selected Topics (1 to 3 Credit Hours)
 CRJU 4990 - Undergraduate Research (3 Credit Hours)
 POLS 3301 - Judicial Process (3 Credit Hours)
 POLS 4401 - Government Organization and Administrative Theory (3 Credit Hours)
 POLS 4501 - Constitutional Law: Distribution of Power (3 Credit Hours)
 POLS 4601 - Constitutional Law: Civil Liberties (3 Credit Hours)
 POLS 4906 - International Terrorism (3 Credit Hours)
 PSYC 3143 - Abnormal Psychology (3 Credit Hours)
 PSYC 3180 - Drugs and Behavior (3 Credit Hours)
 SOCI 3002 - Methods in Social Research II (3 Credit Hours)
 SOCI 3003 - Qualitative Research Methods (3 Credit Hours)
 SOCI 3187 - Sociology of Murder (3 Credit Hours)
 SOCI 3380 - Sociological Theory (3 Credit Hours)
 SOSC 4960 - Social Science Undergraduate Internship (0 to 12 Credit Hours)

Free Electives: 24-26 Hours

At least 6 credit hours must be at the 3000 or 4000 level.

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)

WELL XXXX - Activity Course (1 Credit Hour)

WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Arts with a Major in English and a Concentration in Creative Writing

Program Overview

The Creative Writing track of the English major emphasizes the writing of poetry, fiction, drama, and creative nonfiction, encouraging the crossing of genres. Creative writing students learn to examine poems and prose works with the eyes of apprentice writers, energetically mastering the best literary models. Working intensely with faculty mentors, creative writing majors mature into promising artists in their craft and learn to educate the discerning readers of the future.

augusta.edu/pamplin/english-world-languages

Program Contact

Christina Heckman, PhD

706-737-1500

ewl@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- Courses completed as part of the Core IMPACTS Curriculum cannot be duplicated in the Field of Study.
- A grade of C or better is required in all Major Concentration courses.
- Graduating seniors must submit an exit portfolio acceptable to the appropriate portfolio committee.

Program Information

Program Length: 4 Years

Academic Focus Area: Arts and Humanities [HUAR]

CIP Code: 23.0101

Program Code: 1BA-ENGLISH

Major Code: ENGL

Concentration Code: CREA

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

ENGL 2110 - Creative Writing (3 Credit Hours)

Select two of the following:

ENGL 2111 - World Literature I (3 Credit Hours)
or ENGL 2112 - World Literature II (3 Credit Hours)
or ENGL 2121 - British Literature I (3 Credit Hours)
or ENGL 2122 - British Literature II (3 Credit Hours)
or ENGL 2131 - American Literature I (3 Credit Hours)
or ENGL 2132 - American Literature II (3 Credit Hours)
or ENGL 2680 - Professional and Technical Writing (3 Credit Hours)

ARAB 1002 - Elementary Modern Standard Arabic II (4 Credit Hours)
ARAB 2001 - Intermediate Modern Standard Arabic I (4 Credit Hours)
ARAB 2002 - Intermediate Modern Standard Arabic II (4 Credit Hours)
or
CHNS 1002 - Elementary Chinese II (3 Credit Hours)
CHNS 2001 - Intermediate Chinese I (3 Credit Hours)
CHNS 2002 - Intermediate Chinese II (3 Credit Hours)
or
FREN 1002 - Elementary French II (3 Credit Hours)
FREN 2001 - Intermediate French I (3 Credit Hours)
FREN 2002 - Intermediate French II (3 Credit Hours)
or
GRMN 1002 - Elementary German II (3 Credit Hours)
GRMN 2001 - Intermediate German I (3 Credit Hours)
GRMN 2002 - Intermediate German II (3 Credit Hours)
or
SPAN 1002 - Elementary Spanish II (3 Credit Hours)
SPAN 2001 - Intermediate Spanish I (3 Credit Hours)
SPAN 2002 - Intermediate Spanish II (3 Credit Hours)

Major Concentration: 30 Hours

A grade of C or better is required for all Major Concentration courses.

ENGL 3250 - Introduction to Theory and Method (3 Credit Hours)
ENGL 3681 - Advanced Style and Editing (3 Credit Hours)
ENGL 4800 - Capstone Seminar (3 Credit Hours)

Literature for the Creative Writer Course: 3 Hours

Select one of the following:

ENGL 3605 - Literature for the Creative Writer: Creative Nonfiction (3 Credit Hours)
ENGL 3610 - Literature for the Creative Writer: Fiction (3 Credit Hours)
ENGL 3615 - Literature for the Creative Writer: Poetry (3 Credit Hours)

Writing Course: 3 Hours

Select one of the following:

ENGL 3650 - Grant Writing (3 Credit Hours)
ENGL 3682 - Writing in the Community (3 Credit Hours)
ENGL 3830 - Writing Center Theory and Practice (3 Credit Hours)
ENGL 4520 - Research in Writing (3 Credit Hours)
ENGL 4670 - Sand Hills Literary Editing and Publishing (3 Credit Hours)

Creative Writing: 9 Hours

Creative Writing Course List I: 3 Hours

Select one upper-level course from the following:

ENGL 3620 - Writing for the Theatre (3 Credit Hours)
ENGL 3630 - Foundations in Poetry (3 Credit Hours)
ENGL 3640 - Writing Short Fiction (3 Credit Hours)

ENGL 3660 - Introduction to Creative Nonfiction (3 Credit Hours)
ENGL 4630 - Poetry Workshop (3 Credit Hours)
ENGL 4640 - Fiction Workshop (3 Credit Hours)
ENGL 4660 - Advanced Creative Nonfiction (3 Credit Hours)
ENGL 4670 - Sand Hills Literary Editing and Publishing (3 Credit Hours)
ENGL 4680 - Special Topics in Writing (3 Credit Hours)

Creative Writing Course List II: 6 Hours

Select two upper-level courses from the following:

ENGL 3620 - Writing for the Theatre (3 Credit Hours)
ENGL 3630 - Foundations in Poetry (3 Credit Hours)
ENGL 3640 - Writing Short Fiction (3 Credit Hours)
ENGL 3660 - Introduction to Creative Nonfiction (3 Credit Hours)
ENGL 4630 - Poetry Workshop (3 Credit Hours)
ENGL 4640 - Fiction Workshop (3 Credit Hours)
ENGL 4660 - Advanced Creative Nonfiction (3 Credit Hours)
ENGL 4680 - Special Topics in Writing (3 Credit Hours)

Literature Courses: 6 Hours

Select two upper-level courses from the following:

ENGL 3110 - African American Literature (3 Credit Hours)
ENGL 3120 - Southern Literature (3 Credit Hours)
ENGL 3310 - Women's Literature (3 Credit Hours)
ENGL 3320 - Children's Literature (3 Credit Hours)
ENGL 3330 - Literature for Pre-Adolescents and Adolescents (3 Credit Hours)
ENGL 4000 - Studies in British Literature (3 Credit Hours)
ENGL 4020 - History of the Book (3 Credit Hours)
ENGL 4100 - Studies in American Literature (3 Credit Hours)
ENGL 4200 - Studies in Genre (3 Credit Hours)
ENGL 4220 - Contemporary Theatre (3 Credit Hours)
ENGL 4230 - Modern Poetry (3 Credit Hours)
ENGL 4250 - The Modern American Novel (3 Credit Hours)
ENGL 4261 - The English Novel to 1900 (3 Credit Hours)
ENGL 4262 - The Modern British Novel (3 Credit Hours)
ENGL 4350 - Studies in Medieval Literature and Medievalism (3 Credit Hours)
ENGL 4360 - Studies in World Literature (3 Credit Hours)
ENGL 4410 - Chaucer (3 Credit Hours)
ENGL 4420 - Shakespeare (3 Credit Hours)
ENGL 4430 - Milton (3 Credit Hours)
ENGL 4440 - Major British Authors (3 Credit Hours)
ENGL 4450 - Major American Authors (3 Credit Hours)

Other courses that fulfill the Literature requirement as indicated on the schedule of classes each semester

Minor Concentration and Electives: 30 Hours

Minor Concentration: 15-18 Hours

Select a minor.

Electives: 12-15 Hours

Select electives to complete the 30 Hours requirement.

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)

WELL XXXX - Activity Course (1 Credit Hour)

WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Arts with a Major in English and a Concentration in Literature

Program Overview

Literature tracks of the English major immerse students in a broadly based study of American, British, and World literature. Working closely with faculty mentors, students in the literature track acquire a foundation in great literary texts while also exploring other areas of the English curriculum, such as creative writing, rhetoric, or linguistics.

augusta.edu/pamplin/english-world-languages/english

Program Contact

Christina Heckman, PhD

706-737-1500

ewl@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

A grade of C or better is required in all Major Concentration courses.

Program Information

Program Length: 4 Years

Academic Focus Area: Arts and Humanities [HUAR]

CIP Code: 23.0101

Program Code: 1BA-ENGLISH

Major Code: ENGL

Concentration Code: LIT

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

ENGL 2111 - World Literature I (3 Credit Hours)

or ENGL 2112 - World Literature II (3 Credit Hours)

ENGL 2121 - British Literature I (3 Credit Hours)

or ENGL 2122 - British Literature II (3 Credit Hours)

ENGL 2131 - American Literature I (3 Credit Hours)

or ENGL 2132 - American Literature II (3 Credit Hours)

ARAB 1002 - Elementary Modern Standard Arabic II (4 Credit Hours)
 ARAB 2001 - Intermediate Modern Standard Arabic I (4 Credit Hours)
 ARAB 2002 - Intermediate Modern Standard Arabic II (4 Credit Hours)
 or
 CHNS 1002 - Elementary Chinese II (3 Credit Hours)
 CHNS 2001 - Intermediate Chinese I (3 Credit Hours)
 CHNS 2002 - Intermediate Chinese II (3 Credit Hours)
 or
 FREN 1002 - Elementary French II (3 Credit Hours)
 FREN 2001 - Intermediate French I (3 Credit Hours)
 FREN 2002 - Intermediate French II (3 Credit Hours)
 or
 GRMN 1002 - Elementary German II (3 Credit Hours)
 GRMN 2001 - Intermediate German I (3 Credit Hours)
 GRMN 2002 - Intermediate German II (3 Credit Hours)
 or
 SPAN 1002 - Elementary Spanish II (3 Credit Hours)
 SPAN 2001 - Intermediate Spanish I (3 Credit Hours)
 SPAN 2002 - Intermediate Spanish II (3 Credit Hours)

Major Concentration: 30 Hours

A grade of C or better is required for all major courses.

ENGL 3250 - Introduction to Theory and Method (3 Credit Hours)
 ENGL 3650 - Grant Writing (3 Credit Hours)
 or ENGL 3660 - Introduction to Creative Nonfiction (3 Credit Hours)
 or ENGL 3681 - Advanced Style and Editing (3 Credit Hours) *
 or ENGL 3682 - Writing in the Community (3 Credit Hours)
 or ENGL 3830 - Writing Center Theory and Practice (3 Credit Hours)
 or ENGL 4520 - Research in Writing (3 Credit Hours)
 or ENGL 4670 - Sand Hills Literary Editing and Publishing (3 Credit Hours)
 or ENGL 4680 - Special Topics in Writing (3 Credit Hours)
 ENGL 4800 - Capstone Seminar (3 Credit Hours)

**Recommended option*

Pre-1500 Literature: 3 Hours

Select one upper-level course from the following:

ENGL 4350 - Studies in Medieval Literature and Medievalism (3 Credit Hours)
 ENGL 4410 - Chaucer (3 Credit Hours)

Other courses that fulfill the pre-1500 requirement as indicated on the schedule of classes each semester

1500-1800 Literature: 3 Hours

Select one upper-level course from the following:

ENGL 4020 - History of the Book (3 Credit Hours)
 ENGL 4420 - Shakespeare (3 Credit Hours)
 ENGL 4430 - Milton (3 Credit Hours)

Other courses that fulfill the 1500-1800 requirement as indicated on the schedule of classes each semester

1800-Present Literature: 3 Hours

Select one upper-level course from the following:

ENGL 3110 - African American Literature (3 Credit Hours)
 ENGL 3120 - Southern Literature (3 Credit Hours)
 ENGL 3320 - Children's Literature (3 Credit Hours)

ENGL 3330 - Literature for Pre-Adolescents and Adolescents (3 Credit Hours)
 ENGL 4020 - History of the Book (3 Credit Hours)
 ENGL 4220 - Contemporary Theatre (3 Credit Hours)
 ENGL 4230 - Modern Poetry (3 Credit Hours)
 ENGL 4250 - The Modern American Novel (3 Credit Hours)
 ENGL 4261 - The English Novel to 1900 (3 Credit Hours)
 ENGL 4262 - The Modern British Novel (3 Credit Hours)
 Other courses that fulfill the 1800-present requirement as indicated on the schedule of classes each semester

Literature: 6 Hours

Select two upper-level courses from the following:

ENGL 3110 - African American Literature (3 Credit Hours)
 ENGL 3120 - Southern Literature (3 Credit Hours)
 ENGL 3310 - Women's Literature (3 Credit Hours)
 ENGL 3320 - Children's Literature (3 Credit Hours)
 ENGL 3330 - Literature for Pre-Adolescents and Adolescents (3 Credit Hours)
 ENGL 4000 - Studies in British Literature (3 Credit Hours)
 ENGL 4020 - History of the Book (3 Credit Hours)
 ENGL 4100 - Studies in American Literature (3 Credit Hours)
 ENGL 4200 - Studies in Genre (3 Credit Hours)
 ENGL 4220 - Contemporary Theatre (3 Credit Hours)
 ENGL 4230 - Modern Poetry (3 Credit Hours)
 ENGL 4250 - The Modern American Novel (3 Credit Hours)
 ENGL 4261 - The English Novel to 1900 (3 Credit Hours)
 ENGL 4262 - The Modern British Novel (3 Credit Hours)
 ENGL 4350 - Studies in Medieval Literature and Medievalism (3 Credit Hours)
 ENGL 4360 - Studies in World Literature (3 Credit Hours)
 ENGL 4410 - Chaucer (3 Credit Hours)
 ENGL 4420 - Shakespeare (3 Credit Hours)
 ENGL 4430 - Milton (3 Credit Hours)
 ENGL 4440 - Major British Authors (3 Credit Hours)
 ENGL 4450 - Major American Authors (3 Credit Hours)

Other courses that fulfill the Literature requirement as indicated on the schedule of classes each semester

English Courses: 6 Hours

Select two additional upper-level ENGL courses:

ENGL 3110 - African American Literature (3 Credit Hours)
 ENGL 3120 - Southern Literature (3 Credit Hours)
 ENGL 3210 - Film Appreciation (3 Credit Hours)
 ENGL 3320 - Children's Literature (3 Credit Hours)
 ENGL 3330 - Literature for Pre-Adolescents and Adolescents (3 Credit Hours)
 ENGL 3605 - Literature for the Creative Writer: Creative Nonfiction (3 Credit Hours)
 ENGL 3610 - Literature for the Creative Writer: Fiction (3 Credit Hours)
 ENGL 3615 - Literature for the Creative Writer: Poetry (3 Credit Hours)
 ENGL 3620 - Writing for the Theatre (3 Credit Hours)
 ENGL 3630 - Foundations in Poetry (3 Credit Hours)
 ENGL 3640 - Writing Short Fiction (3 Credit Hours)
 ENGL 3650 - Grant Writing (3 Credit Hours)
 ENGL 3660 - Introduction to Creative Nonfiction (3 Credit Hours)
 ENGL 3681 - Advanced Style and Editing (3 Credit Hours)
 ENGL 3682 - Writing in the Community (3 Credit Hours)
 ENGL 3830 - Writing Center Theory and Practice (3 Credit Hours)
 ENGL 4000 - Studies in British Literature (3 Credit Hours)

ENGL 4100 - Studies in American Literature (3 Credit Hours)
ENGL 4200 - Studies in Genre (3 Credit Hours)
ENGL 4220 - Contemporary Theatre (3 Credit Hours)
ENGL 4230 - Modern Poetry (3 Credit Hours)
ENGL 4250 - The Modern American Novel (3 Credit Hours)
ENGL 4261 - The English Novel to 1900 (3 Credit Hours)
ENGL 4262 - The Modern British Novel (3 Credit Hours)
ENGL 4310 - Studies in Feminism (3 Credit Hours)
ENGL 4330 - Studies in Popular Culture (3 Credit Hours)
ENGL 4350 - Studies in Medieval Literature and Medievalism (3 Credit Hours)
ENGL 4360 - Studies in World Literature (3 Credit Hours)
ENGL 4410 - Chaucer (3 Credit Hours)
ENGL 4420 - Shakespeare (3 Credit Hours)
ENGL 4430 - Milton (3 Credit Hours)
ENGL 4440 - Major British Authors (3 Credit Hours)
ENGL 4450 - Major American Authors (3 Credit Hours)
ENGL 4510 - Literary Theory (3 Credit Hours)
ENGL 4520 - Research in Writing (3 Credit Hours)
ENGL 4530 - Studies in Theory (3 Credit Hours)
ENGL 4630 - Poetry Workshop (3 Credit Hours)
ENGL 4640 - Fiction Workshop (3 Credit Hours)
ENGL 4660 - Advanced Creative Nonfiction (3 Credit Hours)
ENGL 4670 - Sand Hills Literary Editing and Publishing (3 Credit Hours)
ENGL 4680 - Special Topics in Writing (3 Credit Hours)
ENGL 4711 - Introduction to Linguistics (3 Credit Hours)
ENGL 4712 - Modern Grammatical Systems (3 Credit Hours)
ENGL 4720 - History and Structure of the English Language (3 Credit Hours)
ENGL 4950 - Selected Topics (3 Credit Hours)
ENGL 4960 - Undergraduate Internship (1 to 3 Credit Hours)
ENGL 4961 - Professional Writing Internship (3 Credit Hours)
ENGL 4990 - Undergraduate Research (3 Credit Hours)

Minor Concentration and Electives: 30 Hours

Minor or Certificate Concentration: 15-18 Hours

Select a minor or certificate to complete.

Free Electives: 12-15 Hours

Select electives to complete the 30 Hour requirement.

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)

WELL XXXX - Activity Course (1 Credit Hour)

WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Arts with a Major in English and a Concentration in Professional Writing and Rhetoric

Program Overview

The Professional Writing and Rhetoric (PWR) concentration of the English major emphasizes a broad knowledge of rhetoric, including its history, trends, methods, issues, and themes. Students in this concentration work closely with faculty mentors who provide encouragement and assistance in completing focused, timely research projects. Augusta University's Professional Writing and Rhetoric program specializes in genre and language theory, style, public discourses, and writing pedagogy. Students in this concentration enjoy considerable flexibility in developing a course of study that will promote scholarly and professional development.

augusta.edu/pamplin/english-world-languages/English

Program Contact

Christina Heckman, PhD
706-737-1500
ewl@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- A grade of C or better is required in all Major Concentration courses.
- Courses completed for Core IMPACTS cannot be duplicated in the Field of Study.
- Graduating seniors must submit an exit portfolio acceptable to the appropriate portfolio committee.

Program Information

Program Length: 4 Years
Academic Focus Area: Arts and Humanities [HUAR]
CIP Code: 23.0101
Program Code: 1BA-ENGLISH
Major Code: ENGL
Concentration Code: PROW

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

ENGL 2680 - Professional and Technical Writing (3 Credit Hours)

Select two of the following:

ENGL 2110 - Creative Writing (3 Credit Hours) or
ENGL 2111 - World Literature I (3 Credit Hours) or
ENGL 2112 - World Literature II (3 Credit Hours) or
ENGL 2121 - British Literature I (3 Credit Hours) or
ENGL 2122 - British Literature II (3 Credit Hours) or
ENGL 2131 - American Literature I (3 Credit Hours) or
ENGL 2132 - American Literature II (3 Credit Hours) or

ARAB 1002 - Elementary Modern Standard Arabic II (4 Credit Hours)
ARAB 2001 - Intermediate Modern Standard Arabic I (4 Credit Hours)
ARAB 2002 - Intermediate Modern Standard Arabic II (4 Credit Hours)
or
CHNS 1002 - Elementary Chinese II (3 Credit Hours)
CHNS 2001 - Intermediate Chinese I (3 Credit Hours)
CHNS 2002 - Intermediate Chinese II (3 Credit Hours)
or
FREN 1002 - Elementary French II (3 Credit Hours)
FREN 2001 - Intermediate French I (3 Credit Hours)
FREN 2002 - Intermediate French II (3 Credit Hours)
or
GRMN 1002 - Elementary German II (3 Credit Hours)
GRMN 2001 - Intermediate German I (3 Credit Hours)
GRMN 2002 - Intermediate German II (3 Credit Hours)
or
SPAN 1002 - Elementary Spanish II (3 Credit Hours)
SPAN 2001 - Intermediate Spanish I (3 Credit Hours)
SPAN 2002 - Intermediate Spanish II (3 Credit Hours)

Major Concentration: 30 Hours

Certain literature and creative writing courses may be substituted for PWR courses in consultation with a PWR advisor. A grade of C or better is required for all Major Concentration courses.

Required Foundations: 12 Hours

ENGL 3688 - Theory and History of Rhetoric (3 Credit Hours)
ENGL 3700 - Introduction to Professional Writing and Rhetoric (3 Credit Hours)
ENGL 4520 - Research in Writing (3 Credit Hours)
ENGL 4961 - Professional Writing Internship (3 Credit Hours)

Theory: 6 Hours

Choose two from the following:

ENGL 3684 - Rhetorical Genre Studies (3 Credit Hours)
ENGL 3685 - Digital Rhetoric (3 Credit Hours)
ENGL 4650 - Advanced Theory of Professional Writing and Rhetoric (3 Credit Hours)
ENGL 4680 - Special Topics in Writing (3 Credit Hours)

Application: 9 Hours

Choose three from the following:

ENGL 3650 - Grant Writing (3 Credit Hours)
ENGL 3830 - Writing Center Theory and Practice (3 Credit Hours)
ENGL 3681 - Advanced Style and Editing (3 Credit Hours)
ENGL 3682 - Writing in the Community (3 Credit Hours)
ENGL 3686 - Introduction to Writing in the Sciences (3 Credit Hours)
ENGL 4680 - Special Topics in Writing (3 Credit Hours)
ENGL 4690 - Rhetoric and Digital Media (3 Credit Hours)

Research Methods: 3 Hours

ENGL 3687 - User Research and Design (3 Credit Hours)

Free Electives: 30 Hours

6 to 9 hours must be at the 3000 or 4000 level.

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)

WELL XXXX - Activity Course (1 Credit Hour)

WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Arts with a Major in English and a Secondary Teacher Certification

Program Overview

The literature and secondary education certification allows students to complete a baccalaureate literature degree in English and to become certified to teach English in Georgia secondary schools. Students who successfully complete all requirements will receive a Secondary English Instructional I teaching certificate. Coursework is required in both English and education, and students complete a teaching apprenticeship before certification to acquire valuable experience in the classroom.

augusta.edu/pamplin/english-world-languages

Program Contact

Christina Heckman, PhD

706-737-1500

ewl@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- Courses completed in Core IMPACTS cannot be duplicated in Field of Study.
- A grade of C or better is required in all Major Concentration courses.
- English post-baccalaureate initial certification students must submit an exit portfolio acceptable to the appropriate portfolio committee to complete their English requirements.

Program Information

Program Length: 4 Years

Academic Focus Area: Arts and Humanities [HUAR]

CIP Code: 230101

Program Code: 1BA-ENGL EDU

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

Courses completed for the Core IMPACTS Curriculum cannot be duplicated in the Field of Study courses.

ENGL 2680 - Professional and Technical Writing (3 Credit Hours)

ENGL 2111 - World Literature I (3 Credit Hours)

or ENGL 2112 - World Literature II (3 Credit Hours)

ENGL 2121 - British Literature I (3 Credit Hours)
 or ENGL 2122 - British Literature II (3 Credit Hours)
 ENGL 2131 - American Literature I (3 Credit Hours)
 or ENGL 2132 - American Literature II (3 Credit Hours)

ARAB 1002 - Elementary Modern Standard Arabic II (4 Credit Hours)
 ARAB 2001 - Intermediate Modern Standard Arabic I (4 Credit Hours)
 ARAB 2002 - Intermediate Modern Standard Arabic II (4 Credit Hours)
 or
 CHNS 1002 - Elementary Chinese II (3 Credit Hours)
 CHNS 2001 - Intermediate Chinese I (3 Credit Hours)
 CHNS 2002 - Intermediate Chinese II (3 Credit Hours)
 or
 FREN 1002 - Elementary French II (3 Credit Hours)
 FREN 2001 - Intermediate French I (3 Credit Hours)
 FREN 2002 - Intermediate French II (3 Credit Hours)
 or
 GRMN 1002 - Elementary German II (3 Credit Hours)
 GRMN 2001 - Intermediate German I (3 Credit Hours)
 GRMN 2002 - Intermediate German II (3 Credit Hours)
 or
 SPAN 1002 - Elementary Spanish II (3 Credit Hours)
 SPAN 2001 - Intermediate Spanish I (3 Credit Hours)
 SPAN 2002 - Intermediate Spanish II (3 Credit Hours)

Major Concentration: 30 Hours

A grade of C or better is required in all Major Concentration courses.

ENGL 3250 - Introduction to Theory and Method (3 Credit Hours)
 ENGL 3650 - Grant Writing (3 Credit Hours)
 or ENGL 3660 - Introduction to Creative Nonfiction (3 Credit Hours)
 or ENGL 3681 - Advanced Style and Editing (3 Credit Hours)
 or ENGL 3682 - Writing in the Community (3 Credit Hours)
 or ENGL 3830 - Writing Center Theory and Practice (3 Credit Hours)
 or ENGL 4520 - Research in Writing (3 Credit Hours)
 or ENGL 4670 - Sand Hills Literary Editing and Publishing (3 Credit Hours)
 or ENGL 4680 - Special Topics in Writing (3 Credit Hours)
 ENGL 4712 - Modern Grammatical Systems (3 Credit Hours)
 or ENGL 4720 - History and Structure of the English Language (3 Credit Hours)
 ENGL 4800 - Capstone Seminar (3 Credit Hours)

Pre-1500 Literature: 3 Hours

Select one upper-level course from the following:

ENGL 4350 - Studies in Medieval Literature and Medievalism (3 Credit Hours)
 ENGL 4410 - Chaucer (3 Credit Hours)

Other courses that fulfill the 1500-1800 requirement as indicated on the schedule of classes each semester

1500-1800 Literature: 3 Hours

Select one upper-level course from the following:

ENGL 4020 - History of the Book (3 Credit Hours)
 ENGL 4420 - Shakespeare (3 Credit Hours)
 ENGL 4430 - Milton (3 Credit Hours)

Other courses that fulfill the 1500-1800 requirements as indicated on the schedule of classes each semester

1800-Present Literature: 3 Hours

Select one upper-level course from the following:

- ENGL 3110 - African American Literature (3 Credit Hours)
- ENGL 3120 - Southern Literature (3 Credit Hours)
- ENGL 3320 - Children's Literature (3 Credit Hours)
- ENGL 3330 - Literature for Pre-Adolescents and Adolescents (3 Credit Hours)
- ENGL 4020 - History of the Book (3 Credit Hours)
- ENGL 4220 - Contemporary Theatre (3 Credit Hours)
- ENGL 4230 - Modern Poetry (3 Credit Hours)
- ENGL 4250 - The Modern American Novel (3 Credit Hours)
- ENGL 4261 - The English Novel to 1900 (3 Credit Hours)
- ENGL 4262 - The Modern British Novel (3 Credit Hours)

Other courses that fulfill the 1800-present requirement as indicated on the schedule of classes each semester

Literature: 6 Hours

Choose two upper-level courses from the following:

- ENGL 3110 - African American Literature (3 Credit Hours)
- ENGL 3120 - Southern Literature (3 Credit Hours)
- ENGL 3310 - Women's Literature (3 Credit Hours)
- ENGL 3320 - Children's Literature (3 Credit Hours)
- ENGL 3330 - Literature for Pre-Adolescents and Adolescents (3 Credit Hours)
- ENGL 4000 - Studies in British Literature (3 Credit Hours)
- ENGL 4020 - History of the Book (3 Credit Hours)
- ENGL 4100 - Studies in American Literature (3 Credit Hours)
- ENGL 4200 - Studies in Genre (3 Credit Hours)
- ENGL 4220 - Contemporary Theatre (3 Credit Hours)
- ENGL 4230 - Modern Poetry (3 Credit Hours)
- ENGL 4250 - The Modern American Novel (3 Credit Hours)
- ENGL 4261 - The English Novel to 1900 (3 Credit Hours)
- ENGL 4262 - The Modern British Novel (3 Credit Hours)
- ENGL 4350 - Studies in Medieval Literature and Medievalism (3 Credit Hours)
- ENGL 4360 - Studies in World Literature (3 Credit Hours)
- ENGL 4410 - Chaucer (3 Credit Hours)
- ENGL 4420 - Shakespeare (3 Credit Hours)
- ENGL 4430 - Milton (3 Credit Hours)
- ENGL 4440 - Major British Authors (3 Credit Hours)
- ENGL 4450 - Major American Authors (3 Credit Hours)

Other courses that fulfill the Literature requirement as indicated on the schedule of classes each semester

Contemporary Literature:

At least one of the courses taken to satisfy the above requirements must be selected from the following:

- ENGL 3110 - African American Literature (3 Credit Hours)
- ENGL 3120 - Southern Literature (3 Credit Hours)
- ENGL 3310 - Women's Literature (3 Credit Hours)
- ENGL 3320 - Children's Literature (3 Credit Hours)
- ENGL 3330 - Literature for Pre-Adolescents and Adolescents (3 Credit Hours)
- ENGL 4220 - Contemporary Theatre (3 Credit Hours)
- ENGL 4230 - Modern Poetry (3 Credit Hours)
- ENGL 4250 - The Modern American Novel (3 Credit Hours)
- ENGL 4262 - The Modern British Novel (3 Credit Hours)

Other courses that fulfill the contemporary literature requirement as indicated on the schedule of classes each semester

American Minority:

At least one of the courses taken to satisfy the above requirements must be selected from the following:

ENGL 3110 - African American Literature (3 Credit Hours)

ENGL 3120 - Southern Literature (3 Credit Hours)

ENGL 3310 - Women's Literature (3 Credit Hours)

Other courses that fulfill the American minority literature requirement as indicated on the schedule of classes each semester

English Course: 3 Hours

Select one upper-level course from the following:

ENGL 3110 - African American Literature (3 Credit Hours)

ENGL 3120 - Southern Literature (3 Credit Hours)

ENGL 3210 - Film Appreciation (3 Credit Hours)

ENGL 3320 - Children's Literature (3 Credit Hours)

ENGL 3330 - Literature for Pre-Adolescents and Adolescents (3 Credit Hours)

ENGL 3605 - Literature for the Creative Writer: Creative Nonfiction (3 Credit Hours)

ENGL 3610 - Literature for the Creative Writer: Fiction (3 Credit Hours)

ENGL 3615 - Literature for the Creative Writer: Poetry (3 Credit Hours)

ENGL 3620 - Writing for the Theatre (3 Credit Hours)

ENGL 3630 - Foundations in Poetry (3 Credit Hours)

ENGL 3640 - Writing Short Fiction (3 Credit Hours)

ENGL 3650 - Grant Writing (3 Credit Hours)

ENGL 3660 - Introduction to Creative Nonfiction (3 Credit Hours)

ENGL 3681 - Advanced Style and Editing (3 Credit Hours)

ENGL 3682 - Writing in the Community (3 Credit Hours)

ENGL 3830 - Writing Center Theory and Practice (3 Credit Hours)

ENGL 4000 - Studies in British Literature (3 Credit Hours)

ENGL 4020 - History of the Book (3 Credit Hours)

ENGL 4100 - Studies in American Literature (3 Credit Hours)

ENGL 4200 - Studies in Genre (3 Credit Hours)

ENGL 4220 - Contemporary Theatre (3 Credit Hours)

ENGL 4230 - Modern Poetry (3 Credit Hours)

ENGL 4250 - The Modern American Novel (3 Credit Hours)

ENGL 4261 - The English Novel to 1900 (3 Credit Hours)

ENGL 4262 - The Modern British Novel (3 Credit Hours)

ENGL 4310 - Studies in Feminism (3 Credit Hours)

ENGL 4330 - Studies in Popular Culture (3 Credit Hours)

ENGL 4350 - Studies in Medieval Literature and Medievalism (3 Credit Hours)

ENGL 4360 - Studies in World Literature (3 Credit Hours)

ENGL 4410 - Chaucer (3 Credit Hours)

ENGL 4420 - Shakespeare (3 Credit Hours)

ENGL 4430 - Milton (3 Credit Hours)

ENGL 4440 - Major British Authors (3 Credit Hours)

ENGL 4450 - Major American Authors (3 Credit Hours)

ENGL 4510 - Literary Theory (3 Credit Hours)

ENGL 4520 - Research in Writing (3 Credit Hours)

ENGL 4530 - Studies in Theory (3 Credit Hours)

ENGL 4630 - Poetry Workshop (3 Credit Hours)

ENGL 4640 - Fiction Workshop (3 Credit Hours)

ENGL 4660 - Advanced Creative Nonfiction (3 Credit Hours)

ENGL 4670 - Sand Hills Literary Editing and Publishing (3 Credit Hours)

ENGL 4680 - Special Topics in Writing (3 Credit Hours)

ENGL 4711 - Introduction to Linguistics (3 Credit Hours)

ENGL 4712 - Modern Grammatical Systems (3 Credit Hours)

ENGL 4720 - History and Structure of the English Language (3 Credit Hours)

ENGL 4950 - Selected Topics (3 Credit Hours)

ENGL 4960 - Undergraduate Internship (1 to 3 Credit Hours)
 ENGL 4961 - Professional Writing Internship (3 Credit Hours)
 ENGL 4990 - Undergraduate Research (3 Credit Hours)

Secondary Teacher Certification

Before Admission to Teacher Education: 9 Hours

EDUC 2110 - Investigating Critical and Contemporary Issues in Education (3 Credit Hours)
 EDUC 2120 - Exploring Social-Cultural Perspectives on Diversity (3 Credit Hours)
 EDUC 2130 - Exploring Learning and Teaching (3 Credit Hours)

After Admission to Teacher Education: 25 Hours

EDTD 3200 - Assessment and Differentiation for Adolescent Learners (3 Credit Hours)
 EDTD 3221 - Adolescent English Pedagogy (3 Credit Hours)
 EDTD 4940 - Foundations of Reading Seminar (2 Credit Hours)
 SCED 3102 - Secondary School Context and Curriculum (3 Credit Hours)
 SPED 3002 - Teaching Students with Disabilities in the Inclusive Classroom (3 Credit Hours)
 SCED 4901 - Secondary Culminating Residency (11 Credit Hours)

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)
 WELL XXXX - Activity Course (1 Credit Hour)
 WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Arts with a Major in Health, Society, and Policy

Program Overview

The Bachelor of Arts in Health, Society, and Policy focuses on the human and policy side of health and illness. This degree will train students to recognize the many social and cultural determinants of health, and to apply knowledge of human behavior and the social environment to evaluate and understand the risks and challenges to health for diverse populations. Students in the program will study the individual's relationship to the communities they belong to, by completing courses about health, health care, and illness in diverse social and cultural contexts. Students will acquire skills in writing, communication, and analysis that are critical to their future careers in health fields.

The interdisciplinary curriculum develops students' cultural competencies as they relate to systems of care, by teaching social science research techniques and methods and by promoting a behavioral approach to understanding health. These skills enable graduates to work in human service fields within the health industry, including community health, health behavior, pastoral care, and public health, which are trending as the fastest growing fields in the healthcare industry. Furthermore, the curriculum has been designed so that students can satisfy the requirements for entry into a number of graduate and professional programs, such as public health, occupational therapy, health-sociology, and other social sciences.

augusta.edu/pamplin/social-sciences

Program Contact

Dr. William Hatcher
 706-737-1710
socsci@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- A grade of C or higher in all Major Concentration Courses
- Departmental Exit Exam Required

Program Information

Program Length: 4 Years

Academic Focus Area: Health Professions [HEPR]

CIP Code: 44.0503

Program Code: 1BA-HESP

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

Select these courses if not selected in the Social Sciences area of Core IMPACTS.

ANTH 1102 - Introductory Anthropology (3 Credit Hours)

PSYC 1101 - Introduction to General Psychology (3 Credit Hours)

SOCI 1101 - Introduction to Sociology (3 Credit Hours)

Choose from the following: 9-18 Hours

ANTH 2011 - Cultural Anthropology (3 Credit Hours)

CHEM 1211 - Principles of Chemistry I (3 Credit Hours)

CHEM 1212 - Principles of Chemistry II (3 Credit Hours)

ECON 2105 - Macroeconomics (3 Credit Hours)

HIST 1111 - Pre-Modern World Civilization (3 Credit Hours)

HIST 1112 - Modern World Civilization (3 Credit Hours)

MATH 1401 - Elementary Statistics (3 Credit Hours)

PHIL 2020 - Introduction to Critical Thinking (3 Credit Hours)

PHIL 2030 - Introduction to Ethics (3 Credit Hours)

PHYS 1111 - Introductory Physics I (3 Credit Hours)

PHYS 1112 - Introductory Physics II (3 Credit Hours)

PSYC 2103 - Introduction to Human Development (3 Credit Hours)

PSYC 2150 - Introduction to Human Diversity (3 Credit Hours)

SOCI 1160 - Social Problems Analysis (3 Credit Hours)

SOCI 2241 - Social and Cultural Diversity (3 Credit Hours)

Major Concentration: 33-36 Hours

A grade of C or better is required for each of the following:

HIST 3610 - History of Modern Health and Medicine (3 Credit Hours)

PHIL 3004 - Bioethics (3 Credit Hours)

SOSC 3001 - Methods in Social Science (3 Credit Hours)

SOSC 4960 - Social Science Undergraduate Internship (0 to 12 Credit Hours)

Research Course: 3 Hours

Select one of the following courses:

ANTH 3001 - Methods in Cultural Anthropology (4 Credit Hours)

HIST 3001 - Historical Research Methods (4 Credit Hours)

SOSC 3002 - Quantitative Analysis in Social Sciences (3 Credit Hours)
SOSC 3003 - Qualitative Analysis in Social Sciences (3 Credit Hours)

Sociology or Anthropology of Medicine: 3 Hours

Select one of the following courses:

ANTH 3535 - Medical Anthropology (3 Credit Hours)
SOCI 3317 - Sociology of Health and Illness (3 Credit Hours)

Behavioral Health: 6 Hours

Select two of the following courses:

KNHS 4310 - Global Health and Health Disparities (3 Credit Hours)
PSYC 3180 - Drugs and Behavior (3 Credit Hours)
PSYC 3183 - Health Psychology (3 Credit Hours)
PSYC 3188 - Human Sexuality (3 Credit Hours)
SOCI 3375 - Sociology of Death, Grief and Caring (3 Credit Hours)
SOCI 4317 - Sociology of Health Care (3 Credit Hours)
SOCI 4421 - Gerontology (3 Credit Hours)

Health Humanities: 3 Hours

Select one of the following courses:

COMM 3650 - Health Communication (3 Credit Hours)
FREN 3620 - French for Health and Medical Professions (3 Credit Hours)
HIST 3600 - Premodern Health and Medicine (3 Credit Hours)
HIST 4710 - Premodern Science, Religion, and Magic (3 Credit Hours)
SPAN 3620 - Spanish for the Medical Professions (3 Credit Hours)

Choose from the following courses: 6 Hours

Select two additional courses from the following that were not completed above:

ANTH 3535 - Medical Anthropology (3 Credit Hours)
ANTH 3841 - Biological Anthropology (3 Credit Hours)
ANTH 3870 - Identity: Ethnicity, Gender, and Class (3 Credit Hours)
ANTH 4541 - Food and Culture (3 Credit Hours)
CHEM 3411 - Organic Chemistry I (3 Credit Hours)
CHEM 3412 - Organic Chemistry II (3 Credit Hours)
COMM 3650 - Health Communication (3 Credit Hours)
FREN 3620 - French for Health and Medical Professions (3 Credit Hours)
HIST 3600 - Premodern Health and Medicine (3 Credit Hours)
HIST 4710 - Premodern Science, Religion, and Magic (3 Credit Hours)
KNHS 4310 - Global Health and Health Disparities (3 Credit Hours)
PSYC 3183 - Health Psychology (3 Credit Hours)
SOCI 3317 - Sociology of Health and Illness (3 Credit Hours)
SOCI 3340 - Social Stratification (3 Credit Hours)
SOCI 3375 - Sociology of Death, Grief and Caring (3 Credit Hours)
SOCI 4317 - Sociology of Health Care (3 Credit Hours)
SOCI 4421 - Gerontology (3 Credit Hours)
SOCI 4451 - Sociology of Work and Occupation (3 Credit Hours)
SPAN 3620 - Spanish for the Medical Professions (3 Credit Hours)

Free Electives: 24-27 Hours

6 to 9 hours must be at the 3000 or 4000 level.

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)

WELL XXXX - Activity Course (1 Credit Hour)

WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Arts with a Major in History

Program Overview

Our History program immerses students in the laboratory of the human past, under the guidance of a renowned faculty who teach courses about real people and their triumphs and failures. We show how humanity has shaped cultural, economic and political forces, both close to home and far-afield. With a varied and flexible curriculum, students choose their own concentrations, taking advanced courses to suit their interests and needs. Our students learn to think rigorously, evaluate arguments and evidence, conduct historical research, and write clearly and precisely. The skills and knowledge they acquire empower them to engage in meaningful discussions about past events that still shape and impact our society today. The history degree teaches the analytical tools and transferable skills desired by employers, and suitable for a wide range of careers: teachers & educators, researchers, museum curators, information managers, authors, and more.

Augusta.edu/pamplin/hist-anth-phil/history

Program Contact

Ruth McClelland-Nugent, PhD

706-737-1709

hap@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- A grade of C or better is required in all Major Concentration courses.
- In the Major Concentration courses, students may count up to 9 hours from ANTH and PHIL courses numbered between 3000 and 4999, but not more than six hours from either discipline.

Program Information

Program Length: 4 Years

Academic Focus Area: Social Sciences [SOSC]

CIP Code: 54.0101

Program Code: 1BA-HISTORY

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

Foreign Language Sequence: 6 Hours

Select a two-course language sequence.

History Courses: 6 Hours

Select two of the following:

HIST 1111 - Pre-Modern World Civilization (3 Credit Hours)

HIST 1112 - Modern World Civilization (3 Credit Hours)
 HIST 2111 - United States to 1877 (3 Credit Hours)
 HIST 2112 - United States Since 1877 (3 Credit Hours)

Additional Courses: 6 Hours

Select from the following. A grade of C or better is required in these courses.

ANTH 1102 - Introductory Anthropology (3 Credit Hours)
 ANTH 2011 - Cultural Anthropology (3 Credit Hours)
 ECON 1810 - Introduction to Economics (3 Credit Hours)
 GEOG 1111 - World Geography (3 Credit Hours)
 HIST 1111 - Pre-Modern World Civilization (3 Credit Hours)
 HIST 1112 - Modern World Civilization (3 Credit Hours)
 HIST 2111 - United States to 1877 (3 Credit Hours)
 HIST 2112 - United States Since 1877 (3 Credit Hours)
 HONR 1900 - Honors: Contemporary Issues (3 Credit Hours) *(with department approval)*
 MATH 1401 - Elementary Statistics (3 Credit Hours)
 MINF 2201 - Microcomputer Applications (3 Credit Hours)
 PHIL 2010 - Introduction to Philosophy (3 Credit Hours)
 PHIL 2020 - Introduction to Critical Thinking (3 Credit Hours)
 PHIL 2030 - Introduction to Ethics (3 Credit Hours)
 POLS 2401 - Introduction to Global Issues (3 Credit Hours)
 WGST 1101 - Introduction to Women's and Gender Studies (3 Credit Hours)

Degree Requirements

Foundation Courses

These courses are required if not already taken as part of the Core IMPACTS requirements. A grade of C or better is required in these courses.

HIST 1111 - Pre-Modern World Civilization (3 Credit Hours)
 HIST 1112 - Modern World Civilization (3 Credit Hours)
 HIST 2111 - United States to 1877 (3 Credit Hours)
 HIST 2112 - United States Since 1877 (3 Credit Hours)

Major Courses: 28 Hours

A grade of C or better is required in all Major Courses.

HIST 3001 - Historical Research Methods (4 Credit Hours)
 HIST 4940 - Historiography (3 Credit Hours)
 or HIST 4960 - Undergraduate Internship (1 to 12 Credit Hours)
 or HIST 4980 - Seminar in History (3 Credit Hours)

HIST 3020 - 3999 Courses: 3 Hours

Select 3 hours from HIST courses numbered between 3020 and 3999.

HIST 3020 - 4999 Courses: 18 Hours

Select 18 hours from HIST courses numbered between 3020 and 4999.

Note: Students may count up to 9 hours from ANTH and PHIL courses numbered between 3000 and 4999, but not more than 6 hours from either discipline.

Minor or Certificate: 15-18 Hours

Select a minor or certificate to complete.

Free Electives: 14-17 Hours

Select from any non-WELL courses.

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)

WELL XXXX - Activity Course (1 Credit Hour)

WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Arts with a Major in History and a Concentration in Public History

Program Overview

The concentration in public history prepares students to practice and apply history beyond the classroom walls. The theory and methodology of public history builds on the core competencies of the discipline of history, with additional skills and perspectives useful in public history practice. The concentration focuses on preparing graduates to engage in collaborative work with community members, museum professionals, stakeholders, and professional colleagues. Coursework and the culminating capstone internship experience will prepare students to engage in the public history debates about a role for shared authority and the proper place for the professionalization of local history. A particular focus will be on museum studies, which plays an important role in the work of public historians. Students may also choose from a variety of concentration electives allowing them to gain skills in public communication, management and finance, or related subject matter expertise.

augusta.edu/pamplin/hist-anth-phil/history

Program Contact

Ruth McClelland-Nugent, PhD

706-737-1709

hap@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

A grade of C or better is required in all Field of Study and Major Concentration courses.

Program Information

Program Length: 4 Years

Academic Focus Area: Social Sciences [SOSC]

CIP Code: 54.0101

Program Code: 1BA-HISTORY

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

History Courses: 6 Hours

Select two of the following:

- HIST 1111 - Pre-Modern World Civilization (3 Credit Hours)
- HIST 1112 - Modern World Civilization (3 Credit Hours)
- HIST 2111 - United States to 1877 (3 Credit Hours)
- HIST 2112 - United States Since 1877 (3 Credit Hours)

Foreign Language Sequence: 6 Hours

Select a two-course language sequence from one of the following:

Chinese Sequence

- CHNS 1001 - Elementary Chinese I (3 Credit Hours)
- CHNS 1002 - Elementary Chinese II (3 Credit Hours)
- CHNS 2001 - Intermediate Chinese I (3 Credit Hours)
- CHNS 2002 - Intermediate Chinese II (3 Credit Hours)

French Sequence

- FREN 1001 - Elementary French I (3 Credit Hours)
- FREN 1002 - Elementary French II (3 Credit Hours)
- FREN 2001 - Intermediate French I (3 Credit Hours)
- FREN 2002 - Intermediate French II (3 Credit Hours)

German Sequence

- GRMN 1001 - Elementary German I (3 Credit Hours)
- GRMN 1002 - Elementary German II (3 Credit Hours)
- GRMN 2001 - Intermediate German I (3 Credit Hours)
- GRMN 2002 - Intermediate German II (3 Credit Hours)

Spanish Sequence

- SPAN 1001 - Elementary Spanish I (3 Credit Hours)
- SPAN 1002 - Elementary Spanish II (3 Credit Hours)
- SPAN 2001 - Intermediate Spanish I (3 Credit Hours)
- SPAN 2002 - Intermediate Spanish II (3 Credit Hours)

Elective Courses: 6 Hours

Select two of the following. A grade of C or better is required in these courses.

- ANTH 1102 - Introductory Anthropology (3 Credit Hours)
- ANTH 2011 - Cultural Anthropology (3 Credit Hours)
- COMM 2000 - Writing for Communication Professionals (3 Credit Hours)
- ECON 1810 - Introduction to Economics (3 Credit Hours)
- GEOG 1111 - World Geography (3 Credit Hours)
- HIST 1111 - Pre-Modern World Civilization (3 Credit Hours)
- HIST 1112 - Modern World Civilization (3 Credit Hours)
- HIST 2111 - United States to 1877 (3 Credit Hours)
- HIST 2112 - United States Since 1877 (3 Credit Hours)
- HONR 1900 - Honors: Contemporary Issues (3 Credit Hours) *(with department approval)*
- MATH 1401 - Elementary Statistics (3 Credit Hours)
- MINF 2201 - Microcomputer Applications (3 Credit Hours)
- PHIL 2010 - Introduction to Philosophy (3 Credit Hours)
- PHIL 2020 - Introduction to Critical Thinking (3 Credit Hours)
- PHIL 2030 - Introduction to Ethics (3 Credit Hours)
- POLS 2401 - Introduction to Global Issues (3 Credit Hours)
- WGST 1101 - Introduction to Women's and Gender Studies (3 Credit Hours)

Foundation Courses

These courses are required if not already taken as part of the Core IMPACTS requirements. A grade of C or better is required in these courses.

HIST 1111 - Pre-Modern World Civilization (3 Credit Hours)

HIST 1112 - Modern World Civilization (3 Credit Hours)

HIST 2111 - United States to 1877 (3 Credit Hours)

HIST 2112 - United States Since 1877 (3 Credit Hours)

Major Courses: 34 Hours

A grade of C or better is required in all courses.

Major Required Courses: 16 Hours

HIST 3001 - Historical Research Methods (4 Credit Hours)

HIST 3060 - Introduction to Public History (3 Credit Hours)

HIST 4060 - Digital History (3 Credit Hours)

HIST 4960 - Undergraduate Internship (1 to 12 Credit Hours) *(taken for 3 Hours)*

MUSM 3950 - Introduction to Museum Studies (3 Credit Hours)

Major Electives: 18 Hours

Select 18 hours from the following:

HIST 3020 - HIST 4999

Concentration Courses: 9 Hours

Select three of the following:

ANTH 3290 - Archaeology of the Americas (3 Credit Hours)

ANTH 3831 - Archaeology (3 Credit Hours)

ANTH 4210 - Historical Archaeology (3 Credit Hours)

COMM 3220 - Public Relations Writing (3 Credit Hours)

COMM 3300 - Introduction to Visual Communication (3 Credit Hours)

COMM 3340 - Podcasting and Audio Communication (3 Credit Hours)

COMM 4300 - Visual Storytelling (3 Credit Hours)

COMM 4320 - Public Relations and Social Media Campaigns (3 Credit Hours)

ENGL 3650 - Grant Writing (3 Credit Hours)

ENGL 3660 - Introduction to Creative Nonfiction (3 Credit Hours)

ENGL 3682 - Writing in the Community (3 Credit Hours)

MUSM 3960 - Museum Management and Leadership (3 Credit Hours)

MUSM 4950 - Selected Topics in Museum Studies (1 to 4 Credit Hours)

POLS 4050 - Nonprofit Management (3 Credit Hours)

POLS 4051 - Financial Management for Nonprofits (3 Credit Hours)

POLS 4052 - Fundraising for Nonprofit Organizations (3 Credit Hours)

Free Electives: 20 Hours

Select from any non-WELL courses.

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)

WELL XXXX - Activity Course (1 Credit Hour)

WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Arts with a Major in History and a Secondary Teacher Certification

Program Overview

Our History program immerses students in the laboratory of the human past, under the guidance of a renowned faculty who teach courses about real people and their triumphs and failures. We show how humanity has shaped cultural, economic and political forces, both close to home and far-afield. With a varied and flexible curriculum, students choose their own concentrations, taking advanced courses to suit their interests and needs. Our students learn to think rigorously, evaluate arguments and evidence, conduct historical research, and write clearly and precisely. The skills and knowledge they acquire empower them to engage in meaningful discussions about past events that still shape and impact our society today. The history degree teaches the analytical tools and transferable skills desired by employers, and suitable for a wide range of careers: Teachers & Educators, Researchers, Museum Curators, Information Managers, Authors, and more.

augusta.edu/pamplin/hist-anth-phil/history

Program Contact

Ruth McClelland-Nugent

706-737-1709

hap@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

A grade of C or better is required in all Major Concentration and Secondary Teaching courses.

Program Information

Program Length: 4 Years

Academic Focus Area: Social Sciences [SOSC]

CIP Code: 54.0101

Program Code: 1BA-HIST EDU

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

Foreign Language Sequence: 6 Hours

Select a two-course language sequence.

History Courses: 6 Hours

Select two of the following:

HIST 1111 - Pre-Modern World Civilization (3 Credit Hours)

HIST 1112 - Modern World Civilization (3 Credit Hours)

HIST 2111 - United States to 1877 (3 Credit Hours)

HIST 2112 - United States Since 1877 (3 Credit Hours)

Additional Courses: 6 Hours

Select two of the following:

ANTH 1102 - Introductory Anthropology (3 Credit Hours)
 ANTH 2011 - Cultural Anthropology (3 Credit Hours)
 ECON 1810 - Introduction to Economics (3 Credit Hours)
 GEOG 1111 - World Geography (3 Credit Hours)
 HIST 1111 - Pre-Modern World Civilization (3 Credit Hours)
 HIST 1112 - Modern World Civilization (3 Credit Hours)
 HIST 2111 - United States to 1877 (3 Credit Hours)
 HIST 2112 - United States Since 1877 (3 Credit Hours)
 HONR 1900 - Honors: Contemporary Issues (3 Credit Hours)
 MATH 1401 - Elementary Statistics (3 Credit Hours)
 MINF 2201 - Microcomputer Applications (3 Credit Hours)
 PHIL 2010 - Introduction to Philosophy (3 Credit Hours)
 PHIL 2020 - Introduction to Critical Thinking (3 Credit Hours)
 PHIL 2030 - Introduction to Ethics (3 Credit Hours)
 POLS 2401 - Introduction to Global Issues (3 Credit Hours)
 WGST 1101 - Introduction to Women's and Gender Studies (3 Credit Hours)

Required Courses: 0-6 Hours

Courses are required if not already taken in the Core IMPACTS or Field of Study requirements.

GEOG 1111 - World Geography (3 Credit Hours)
 HIST 1111 - Pre-Modern World Civilization (3 Credit Hours)
 or HIST 1112 - Modern World Civilization (3 Credit Hours)
 or HIST 2111 - United States to 1877 (3 Credit Hours)
 or HIST 2112 - United States Since 1877 (3 Credit Hours)

Major Courses: 28 Hours

A grade of C or better is required in all major courses.

HIST 3001 - Historical Research Methods (4 Credit Hours)
 HIST 3711 - Georgia History (3 Credit Hours)

U.S. History: 6 Hours

Select two upper-level courses from the following:

HIST 3431 - African American History to 1877 (3 Credit Hours)
 HIST 3441 - African American History since 1877 (3 Credit Hours)
 HIST 3471 - American Religious History (3 Credit Hours)
 HIST 3491 - Military History of the U.S. (3 Credit Hours)
 HIST 3610 - History of Modern Health and Medicine (3 Credit Hours)
 HIST 4411 - Revolutionary America (3 Credit Hours)
 HIST 4421 - Civil War and Reconstruction (3 Credit Hours)
 HIST 4451 - U.S. National Security and Foreign Policy, 1898-Present (3 Credit Hours)
 HIST 4471 - Old South/New South (3 Credit Hours)
 HIST 4481 - The Sunbelt South (3 Credit Hours)
 HIST 4491 - The American West (3 Credit Hours)
 HIST 4511 - Black Internationalism (3 Credit Hours)
 HIST 4521 - The Long Civil Rights Movement (3 Credit Hours)

Latin American or Canadian History: 3 Hours

Select one upper-level course from the following:

HIST 3140 - History of Canada (3 Credit Hours)
 HIST 3510 - Latin American Civilizations (3 Credit Hours)
 HIST 3531 - History of Mexico (3 Credit Hours)
 HIST 3561 - Latino/Hispanic USA (3 Credit Hours)
 HIST 3571 - Topics in Latin America (3 Credit Hours)

Asian, Middle Eastern, and African History: 6 Hours

Select two upper-level courses from the following:

HIST 3030 - Muslim World to World War I (3 Credit Hours)
HIST 3031 - Modern Middle East (3 Credit Hours)
HIST 3111 - History and Culture of Africa (3 Credit Hours)
HIST 3211 - History and Culture of East Asia (3 Credit Hours)
HIST 3220 - Modern China (3 Credit Hours)
HIST 3250 - Modern Japan (3 Credit Hours)
HIST 3811 - Topics in the Islamic World (3 Credit Hours)
HIST 4111 - History of World Religions (3 Credit Hours)
HIST 4241 - Borderlands and Frontiers in Chinese History (3 Credit Hours)
HIST 4501 - African Americans, Africa & the African Diaspora (3 Credit Hours)

European History: 6 Hours

Select two upper-level courses from the following:

HIST 3020 - Premodern Europe (3 Credit Hours)
HIST 3311 - Modern Russia (3 Credit Hours)
HIST 3321 - Modern Europe: Revolutions (3 Credit Hours)
HIST 3331 - Modern Europe: People (3 Credit Hours)
HIST 3341 - Modern Europe: War and Diplomacy (3 Credit Hours)
HIST 3381 - History of Britain (3 Credit Hours)
HIST 3600 - Premodern Health and Medicine (3 Credit Hours)
HIST 4310 - Celtic Peoples (3 Credit Hours)
HIST 4360 - The Culture of Absolutism and Revolution (3 Credit Hours)
HIST 4820 - Medieval Castles, Fortifications, and War (3 Credit Hours)

Note: HIST 4011, HIST 4021, HIST 4030, HIST 4060, HIST 4851, HIST 4940, HIST 4950, HIST 4960, HIST 4980, and HIST 4990 are variable-content courses and will be allocated to the above areas by the department depending on the focus of the class in the semester it is taken. Other courses with substantial historical content may be accepted for the above areas with department permission.

Secondary Teacher Certification

A grade of C or better is required in all courses.

Prior to Admission to Teacher Education: 9 Hours

EDUC 2110 - Investigating Critical and Contemporary Issues in Education (3 Credit Hours)
EDUC 2120 - Exploring Social-Cultural Perspectives on Diversity (3 Credit Hours)
EDUC 2130 - Exploring Learning and Teaching (3 Credit Hours)

After Admission to Teacher Education: 25 Hours

EDTD 3200 - Assessment and Differentiation for Adolescent Learners (3 Credit Hours)
EDTD 3241 - Adolescent Social Science Pedagogy (3 Credit Hours)
EDTD 4940 - Foundations of Reading Seminar (2 Credit Hours)
SCED 3102 - Secondary School Context and Curriculum (3 Credit Hours)
SCED 4901 - Secondary Culminating Residency (11 Credit Hours)
SPED 3002 - Teaching Students with Disabilities in the Inclusive Classroom (3 Credit Hours)

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)
WELL XXXX - Activity Course (1 Credit Hour)
WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 126 Hours

Bachelor of Arts with a Major in Integrated Studies

Program Overview

The Bachelor of Arts in Integrated Studies allows students to design their own degree for their own careers. This innovative degree provides educational opportunities not available through traditional programs.

Working with a faculty advisor, students construct a liberal arts degree program to fit their interests. This program is a great option for students with multiple passions.

augusta.edu/pamplin/integrated-studies

Program Contact

Dr. Pamela Hayward
706- 667-4437

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- Grade of C or better is required for all major and minor concentration courses.
- Must complete the culminating experience (e.g., senior thesis independent study with advisor, experiential learning, undergraduate research, service learning, internship, study abroad trip) for the major as part of the major concentration.
- Must complete a portfolio to graduate.

Program Information

Program Length: 4 Years
Academic Focus Area: Arts and Humanities [HUAR]
CIP Code: 30.0000
Program Code: 1BA-INTS

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

This area consists of 18 hours of lower-division courses within the Pamplin College of Arts, Humanities, and Social Sciences. The combination of courses is customizable by the student in consultation with an advisor or chosen from a college-planned concentration area.

Major Concentration (Area of Emphasis): 24 Hours

This area consists of 24 hours of upper-division courses within Pamplin College. The combination of courses is customizable by each student in consultation with an advisor or chosen from a college-planned concentration area. The courses in the area of emphasis should work closely and purposefully toward understanding of a particular topic of study. Students must receive a grade of C or better in all major concentration courses.

Minor Concentration (Area of Support): 18 Hours

This area consists of 18 hours of courses from a variety of disciplines within and outside of Pamplin College. Nine of these hours must be upper-division courses. The combination of courses is customizable by each student in consultation with an advisor and should support and inform the area of emphasis with added relevant knowledge and inquiry. Students must receive a grade of C or better in all major concentration courses

Electives: 18 Hours

Six hours must be from upper-division courses.

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)

WELL XXXX - Activity Course (1 Credit Hour)

WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours**Bachelor of Arts with a Major in Music****Program Overview**

The Bachelor of Arts in Music is a degree designed for the emphasis of study in music within a liberal arts curriculum. Students pursuing the BA in Music typically conduct a significant amount of their course work outside the field of music and focus on the interrelationship of music with other academic disciplines. The student entering this program will be expected to take more courses in liberal arts fields than is required of students in the Bachelor of Music degrees. This degree can prepare one for graduate study leading to the Master of Arts and Doctor of Philosophy degrees, as well as careers based on cultural concerns. This degree can also be oriented towards pre-professional, social, and/or business opportunities.

As a music major, you will be required to declare a major performing area (voice, piano, trumpet, etc.). In addition to being proficient on your instrument, music majors must also demonstrate a knowledge of music theory. Students who have a basic knowledge of the fundamentals of music theory upon entry into a music program are much more likely to succeed in all fields of musical study. All entering freshmen and those who have previous college credit but are new to the music major must take a music theory diagnostic examination before being advised into their first semester of coursework. This exam is given by the music departmental office. Those with adequate knowledge will be placed in MUSI 1211 and MUSI 1101.

All entering music majors must also perform a placement audition before a faculty panel in their major performing area. These auditions will be scheduled prior to the start of classes. Students are expected to demonstrate background and experience through their high school programs or prior collegiate work in musical ensembles, private study, church music, etc. Students without this background must show extraordinary potential to be admitted as a music major. Students who are unable to demonstrate these abilities will not be admitted into the music program and will be advised to seek another major.

augusta.edu/pamplin/music

Program Contact

Angela Morgan, DM

706-737-1453

music@augusta.edu

Program Accreditation

The music unit is accredited by the National Association of Schools of Music.

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

Grade of C or better is required for all courses in the Core IMPACTS and Liberal Arts Emphasis Curriculum areas.

Program Information

Program Length: 4 Years

Academic Focus Area: Arts and Humanities [HUAR]

CIP Code: 50.0901

Program Code: 1BA-MUSIC

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

A grade of C or better is required in all courses.

Lower-Division Theory: 10 Hours

MUSI 1101 - Aural Skills I (2 Credit Hours)

MUSI 1102 - Aural Skills II (2 Credit Hours)

MUSI 1211 - Music Theory I (2 Credit Hours)

MUSI 1212 - Music Theory II (2 Credit Hours)

MUSI 1521 - Class Piano I (1 Credit Hour)

MUSI 1522 - Class Piano II (1 Credit Hour)

Lower-Division Applied Lessons: 4 Hours

MUSA 1XX1 - Applied Lessons: Concentration

MUSA 1XX2 - Applied Lessons: Concentration

MUSA 2XX1 - Applied Lessons: Concentration

Select one of the following for 1 credit hour:

MUSI 3660 - Augusta University Jazz Ensemble (0 to 1 Credit Hour)

MUSI 4610 - Augusta University Opera Ensemble (0 to 3 Credit Hours)

MUSI 4620 - TONEalities (0 to 1 Credit Hour)

MUSI 4640 - Woodwind Ensemble (0 to 1 Credit Hour)

MUSI 4650 - Brass Ensemble (0 to 1 Credit Hour)

MUSI 4660 - Jazz Combo (0 to 1 Credit Hour)

MUSI 4670 - Keyboard Ensemble (0 to 1 Credit Hour)

MUSI 4680 - Percussion Ensemble (0 to 1 Credit Hour)

MUSI 4690 - Chamber Music Ensemble (0 to 1 Credit Hour)

Major Ensembles as Assigned: 3 Hours

MUSI 3610 - Augusta University Wind Ensemble (0 to 1 Credit Hour)

MUSI 3620 - University Singers (0 to 1 Credit Hour)

MUSI 3630 - Augusta University Orchestra (0 to 1 Credit Hour)

Music Common Curriculum: 22 Hours

A grade of C or better is required in all courses.

Recital Experience

MUSI 1500 - Recital Laboratory (0 Credit Hours) (*5 semesters minimum*)

Studio Experience

MUSA 2X05 - Studio Class (0 Credit Hours) (*5 semesters minimum*)

Music Theory Curriculum: 9 Hours

MUSI 2101 - Aural Skills III (2 Credit Hours)

MUSI 2211 - Music Theory III (2 Credit Hours)

MUSI 2102 - Aural Skills IV (2 Credit Hours)

MUSI 2212 - Music Theory IV (2 Credit Hours)

MUSI 3210 - Form and Analysis (1 Credit Hour)

Music History Curriculum: 8 Hours

MUSI 2230 - Introduction to Western Music Literature (2 Credit Hours)

MUSI 3340 - Music History I (3 Credit Hours)

MUSI 3350 - Music History II (3 Credit Hours)

Miscellaneous Requirements: 5 Hours

MUSI 1810 - Music Technology (1 Credit Hour)

MUSI 2523 - Class Piano III (1 Credit Hour)

MUSI 2524 - Class Piano IV (1 Credit Hour)

MUSI 4090 - Senior Project for BA in Music (2 Credit Hours)

Electives: 10 Hours

Select elective courses totaling 10 credit hours. 6 of the 10 credit hours must be upper-division level courses.

Liberal Arts Emphasis Curriculum: 13 Hours

A grade of C or better is required in all these courses.

Applied Concentration Lessons: 4 Hours

At least 2 credit hours must be upper-division level courses.

MUSA 2XX2 - Applied Lessons: Concentration

MUSA 3XX1 - Applied Lessons: Concentration

Upper-division exam passed

Major Ensembles (at upper-division level): 2 Hours

Upper-Division Hours in Music: 7 Hours

MUSI 3560 - Fundamentals of Conducting (1 Credit Hour)

Select 6 hours from MUSI 3XXX-4XXX

Additional Requirements: 26 Hours

Electives: 2 Hours

Foreign Language: 6 Hours

Take a foreign language through the 1002 level, or satisfy the foreign language proficiency exam for that level.

Non-Music Related Study: 18 Hours

Complete 18 hours at the upper-division level.

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)

WELL XXXX - Activity Course (1 Credit Hour)

WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Arts with a Major in Music and an Emphasis in Music Industry Studies

Program Overview

The Bachelor of Arts with a Major in Music and an Emphasis in Music Industry Studies provides students with specific industry-related courses, along with a flexible curriculum that highlights musical interests in theory, performance, music history, and music business. This program allows students to choose courses in either Business Administration and/or Nonprofit Management, giving our students the edge in creating their own path to success for employment in the music industry. It shares coursework with the Certificate in Music Industry Studies.

Program features include:

- music industry-specific courses
- students participate in music ensembles
- accreditation by the National Association of Schools of Music
- hands-on applications with music production technology and live sound reinforcement
- collaboration with local music industry and performing arts organization in Augusta, GA

augusta.edu/pamplin/music

Program Contact

April Brumfield, Assistant Professor of Music Industry Studies

706-737-1453

music@augusta.edu

Program Accreditation

This program has been submitted to NASM (National Association of Schools of Music) for full national accreditation.

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at

augusta.edu/admissions.

Progression and Graduation Requirements

- A grade of C or better is required for all courses in the Bachelor of Arts in Music Common and Music Industry Course Curriculums and the Business Support elective courses.
- All students will take the music exit exam immediately prior to graduation.

Program Information

Program Length: 4 Years

Academic Focus Area: Arts and Humanities [HUAR]

CIP Code: 50.1003 - Music Management

Program Code: 1BA-MUSIC

Concentration Code: MIDS

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

Musicianship: 10 Hours

MUSI 1101 - Aural Skills I (2 Credit Hours)

MUSI 1102 - Aural Skills II (2 Credit Hours)

MUSI 1211 - Music Theory I (2 Credit Hours)

MUSI 1212 - Music Theory II (2 Credit Hours)

MUSI 1521 - Class Piano I (1 Credit Hour)

MUSI 1522 - Class Piano II (1 Credit Hour)

Applied Music Lessons: 4 Hours

Select Voice or Instrument courses from the following:

MUSA 1XX1 - Applied Lessons: Concentration (1 Credit Hour)

MUSA 1XX2 - Applied Lessons: Concentration (1 Credit Hour)

MUSA 2XX0 - Applied Lessons: Secondary (1 Credit Hour)

MUSA 2XX1 - Applied Lessons: Concentration (1 Credit Hour)

Music Ensembles: 4 Hours

Select 4 credit hours (4 semesters) from the following Large Ensembles:

MUSI 3610 - Augusta University Wind Ensemble (0 to 1 Credit Hour)

MUSI 3620 - University Singers (0 to 1 Credit Hour)

MUSI 3630 - Augusta University Orchestra (0 to 1 Credit Hour)

Music Common Curriculum: 16 Hours

A grade of C or better is required in all courses.

MUSA 2X05 - Studio Class (0 Credit Hours) *(taken for four semesters)*

MUSI 1500 - Recital Laboratory (0 Credit Hours) *(taken for four semesters)*

MUSI 2101 - Aural Skills III (2 Credit Hours)

MUSI 2211 - Music Theory III (2 Credit Hours)

MUSI 2230 - Introduction to Western Music Literature (2 Credit Hours)

MUSI 2523 - Class Piano III (1 Credit Hour)

MUSI 2800 - Foundation of Music Production I (3 Credit Hours)

MUSI 2850 - Foundations of Music Production II (3 Credit Hours)

MUSI 3340 - Music History I (3 Credit Hours)

or MUSI 4730 - Jazz History and Literature (3 Credit Hours)

Music Industry Courses: 26 Hours

A grade of C or better is required in all courses.

ENGL 3650 - Grant Writing (3 Credit Hours)

POLS 4050 - Nonprofit Management (3 Credit Hours)

MUSI 2600 - Introduction to Music Industry (3 Credit Hours)

MUSI 2650 - Career and Job Success in the Music Industry (3 Credit Hours)

MUSI 3640 - Artist Management and Concert Touring (3 Credit Hours)

MUSI 3650 - Music Events and Promotion (3 Credit Hours)

MUSI 4600 - Music Publishing and Licensing (3 Credit Hours)

MUSI 4090 - Senior Project for BA in Music (2 Credit Hours)

MUSI 4910 - Music Industry Internship (1 to 3 Credit Hours)

Business Support Elective Courses (18 Hours):

A grade of C or better is required for all courses.

Required Courses: 9 Hours

ACCT 2101 - Principles of Accounting I (3 Credit Hours)

MGMT 2106 - Legal and Ethical Environment of Business (3 Credit Hours)

ECON 1810 - Introduction to Economics (3 Credit Hours)

or ECON 2105 - Macroeconomics (3 Credit Hours)

or ECON 2106 - Microeconomics (3 Credit Hours)

Elective Courses: 9 Hours

Select 3 of the following:

FINC 3400 - Corporate Finance (3 Credit Hours)

MGMT 3500 - Management Theory and Practice (3 Credit Hours)

MKTG 3700 - Principles of Marketing (3 Credit Hours)

POLS 4051 - Financial Management for Nonprofits (3 Credit Hours)

POLS 4401 - Government Organization and Administrative Theory (3 Credit Hours)

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)

WELL XXXX - Activity Course (1 Credit Hour)

WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Arts with a Major in Nonprofit Leadership and Administration

Program Overview

The Bachelor of Arts in Nonprofit Leadership and Administration educates and trains students to be professionals in nonprofit organizations. Students learn key theories and tools in the following areas: nonprofit administration, nonprofit finance, nonprofit marketing, professional writing, nonprofit fundraising, social science research, grant writing, and public administration theories and practices. Through their elective coursework, students have the opportunity to focus in particular areas of nonprofit administration, such as social services, foreign languages, public administration, arts, and advocacy. Given the applied nature of nonprofit management, students will be required to complete internship credit. Graduates of the program will be prepared to seek employment in nonprofit organizations and/or continue their studies in graduate programs that focus on public service.

augusta.edu/pamplin/social-sciences/nonprofit

Program Contact

William Hatcher, PhD

706-737-1710

socsci@augusta.edu

Admissions Information

For more information, please visit the Office of Admissions website at augusta.edu/admissions.

Program Information

Program Length: 4 Years

Academic Focus Area: Business [BUSI]

CIP Code: 44.0401

Program Code: 1BA-NLAD

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

SOCI 1160 - Social Problems Analysis (3 Credit Hours)

Choose 15 hours from the following:

COMM 2010 - Media Literacy (3 Credit Hours)

LDRS 2000 - Introduction to Leadership and Professionalism (3 Credit Hours) *(needed for students wanting to earn the Leadership Certificate)*

PHIL 2010 - Introduction to Philosophy (3 Credit Hours)

PHIL 2020 - Introduction to Critical Thinking (3 Credit Hours)

PHIL 2030 - Introduction to Ethics (3 Credit Hours)

PHIL 2040 - The Ethics of Digital Life (3 Credit Hours)

POLS 2101 - Introduction to Political Science (3 Credit Hours)

SOCI 1101 - Introduction to Sociology (3 Credit Hours)

SOCI 2241 - Social and Cultural Diversity (3 Credit Hours)

SOWK 1101 - Introduction to Social Work Practices (3 Credit Hours)

SOWK 2100 - Social Welfare History and Philosophy (3 Credit Hours)

FREN/SPAN/GRMN/CHNS/ARAB courses*

**Only 12 hours can be taken in FREN/SPAN/GRMN/CHNS/ARAB courses.*

Major Courses: 21 Hours

ART 4961 - Undergraduate Internship: Art Museum Studies I (3 Credit Hours)

or ART 4962 - Undergraduate Internship: Art Museum Studies II (3 Credit Hours)

or ENGL 4960 - Undergraduate Internship (1 to 3 Credit Hours)

or SOSC 4960 - Social Science Undergraduate Internship (0 to 12 Credit Hours)

ENGL 3650 - Grant Writing (3 Credit Hours)

or POLS 4052 - Fundraising for Nonprofit Organizations (3 Credit Hours)

POLS 4050 - Nonprofit Management (3 Credit Hours)

POLS 4051 - Financial Management for Nonprofits (3 Credit Hours)

POLS 4401 - Government Organization and Administrative Theory (3 Credit Hours)

SOSC 3001 - Methods in Social Science (3 Credit Hours)

SOSC 3002 - Quantitative Analysis in Social Sciences (3 Credit Hours)

or SOSC 3003 - Qualitative Analysis in Social Sciences (3 Credit Hours)

Electives: 12 Hours

Select 12 hours of elective coursework based on the student's area of nonprofit interest and with help from the nonprofit advisor.

ART 4961 - Undergraduate Internship: Art Museum Studies I (3 Credit Hours)

ART 4962 - Undergraduate Internship: Art Museum Studies II (3 Credit Hours)

COMM 3100 - Communications for Professionals (3 Credit Hours)

COMM 3220 - Public Relations Writing (3 Credit Hours)
COMM 3600 - Integrated Strategic Communication (3 Credit Hours)
COMM 4320 - Public Relations and Social Media Campaigns (3 Credit Hours)
ENGL 4960 - Undergraduate Internship (1 to 3 Credit Hours)
CRJU 4336 - Gender and Victimization (3 Credit Hours)
SOCI 4336 - Gender and Victimization (3 Credit Hours)
CRJU 3335 - Community Corrections (3 Credit Hours)
CRJU 4433 - Juvenile Delinquency and Justice (3 Credit Hours)
CRJU 4960 - Undergraduate Internship (1 to 3 Credit Hours)
MUSI 4950 - Special Topics in Art and Nonprofit Leadership (1 to 3 Credit Hours)
MUSM 3950 - Introduction to Museum Studies (3 Credit Hours)
MUSM 3960 - Museum Management and Leadership (3 Credit Hours)
POLS 4201 - Urban Policy Analysis (3 Credit Hours)
POLS 4301 - Principles of Public Administration (3 Credit Hours)
POLS 4960 - Undergraduate Internship (3 to 9 Credit Hours)
SOCI 3331 - Youth and Society (3 Credit Hours)
SOCI 4960 - Undergraduate Internship (1 to 3 Credit Hours)
SOWK 3375 - Sociology of Death, Grief, and Caring (3 Credit Hours)
SOWK 4421 - Gerontology (3 Credit Hours)
SOWK 4960 - Undergraduate Internship (3 Credit Hours)
SPAN 3610 - Spanish for Business (3 Credit Hours)

Free Electives: 27 Hours

Select 27 hours of elective coursework. 6 hours must be upper-level coursework.

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)
WELL XXXX - Activity Course (1 Credit Hour)
WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Arts with a Major in Political Science

Program Overview

The general political science major gives students a broad view of political science through classes in the discipline's traditional subfields of American government, comparative politics/international relations, and political theory. Students interested in law, security studies, and international politics can focus their major on these areas.

augusta.edu/pamplin/social-sciences/political-science

Program Contact

William Hatcher, PhD
706-737-1710
socsci@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- A grade of C or better is required in all Field of Study and Major Concentration courses.
- Exit Exam required in final term.

Program Information

Program Length: 4 Years

Academic Focus Area: Social Sciences [SOSC]

CIP Code: 45.1001

Program Code: 1BA-POL SCI

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

A grade of C or better is required in all the following courses.

Prerequisites

POLS 1101 - Introduction to American Government (3 Credit Hours)

Required Courses: 6 Hours

POLS 2000 - Society, Law, and the Criminal (3 Credit Hours)

or POLS 2401 - Introduction to Global Issues (3 Credit Hours)

POLS 2101 - Introduction to Political Science (3 Credit Hours)

Social Science Electives: 12 Hours

Select 12 hours from the following in courses not chosen elsewhere:

ANTH 1102 - Introductory Anthropology (3 Credit Hours)

CRJU 1103 - Introduction to Criminal Justice (3 Credit Hours)

ECON 1810 - Introduction to Economics (3 Credit Hours)

ECON 2105 - Macroeconomics (3 Credit Hours)

ECON 2106 - Microeconomics (3 Credit Hours)

GEOG 1111 - World Geography (3 Credit Hours)

HIST 1111 - Pre-Modern World Civilization (3 Credit Hours)

HIST 1112 - Modern World Civilization (3 Credit Hours)

HIST 2111 - United States to 1877 (3 Credit Hours)

HIST 2112 - United States Since 1877 (3 Credit Hours)

MATH 1401 - Elementary Statistics (3 Credit Hours)

MGMT 2106 - Legal and Ethical Environment of Business (3 Credit Hours)

MINF 2201 - Microcomputer Applications (3 Credit Hours)

PHIL 2010 - Introduction to Philosophy (3 Credit Hours)

PHIL 2020 - Introduction to Critical Thinking (3 Credit Hours)

POLS 2000 - Society, Law, and the Criminal (3 Credit Hours)

POLS 2401 - Introduction to Global Issues (3 Credit Hours)

PSYC 1101 - Introduction to General Psychology (3 Credit Hours)

SABR 2930 - Studies Abroad (1 to 4 Credit Hours)

SOCI 1101 - Introduction to Sociology (3 Credit Hours)

SOCI 1160 - Social Problems Analysis (3 Credit Hours)

SOCI 2241 - Social and Cultural Diversity (3 Credit Hours)

Language Sequence (1002 & Higher)

Major Concentration Courses: 30 Hours

Research Methods: 6 Hours

SOSC 3001 - Methods in Social Science (3 Credit Hours)

SOSC 3002 - Quantitative Analysis in Social Sciences (3 Credit Hours)
or SOSC 3003 - Qualitative Analysis in Social Sciences (3 Credit Hours)

American Politics: 6 Hours

Select from the following:

POLS 3301 - Judicial Process (3 Credit Hours)
POLS 3401 - Congress and the Presidency (3 Credit Hours)
POLS 3901 - Campaigns & Elections (3 Credit Hours)
POLS 4101 - State Government (3 Credit Hours)
POLS 4201 - Urban Policy Analysis (3 Credit Hours)
POLS 4301 - Principles of Public Administration (3 Credit Hours)
POLS 4302 - Political Economy (3 Credit Hours)
POLS 4401 - Government Organization and Administrative Theory (3 Credit Hours)
POLS 4501 - Constitutional Law: Distribution of Power (3 Credit Hours)
POLS 4601 - Constitutional Law: Civil Liberties (3 Credit Hours)
POLS 4807 - The Supreme Court (3 Credit Hours)
POLS 4990 - Undergraduate Research (3 Credit Hours)
SOSC 4960 - Social Science Undergraduate Internship (0 to 12 Credit Hours)

International Relations/Comparative Politics: 6 Hours

Select from the following:

POLS 3100 - Introduction to the European Union (3 Credit Hours)
POLS 3101 - Comparative European Governments (3 Credit Hours)
POLS 3801 - International Relations (3 Credit Hours)
POLS 4701 - Governments of Developing Nations (3 Credit Hours)
POLS 4809 - Identity, Nationalism and Ethnic Conflict (3 Credit Hours)
POLS 4902 - World Politics (3 Credit Hours)
POLS 4904 - Politics of Latin America (3 Credit Hours)
POLS 4905 - United States Foreign Policy (3 Credit Hours)
POLS 4906 - International Terrorism (3 Credit Hours)
POLS 4911 - Introduction to Security Studies (3 Credit Hours)
POLS 4912 - Counterterrorism (3 Credit Hours)
POLS 4913 - The Politics of Islam (3 Credit Hours)
POLS 4914 - Introduction to Middle Eastern Security Studies (3 Credit Hours)
POLS 4915 - The Economics of Security (3 Credit Hours)
POLS 4930 - Model UN II (3 Credit Hours)

Electives: 12 Hours

Select from the following:

POLS 3XXX - Political Science Elective (3 Credit Hours)
POLS 4XXX - Political Science Elective (3 Credit Hours)
SOSC 4960 - Social Science Undergraduate Internship (0 to 12 Credit Hours)

Free Electives: 30 Hours

Select 30 hours in courses as needed to complete the credit hours required for graduation. Select from any non-WELL courses. At least 9 hours must be at the 3000 or 4000 level.

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)
WELL XXXX - Activity Course (1 Credit Hour)
WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Arts with a Major in Political Science and a Secondary Teacher Certification

Program Overview

The Secondary Teacher Certification concentration combines the Political Science major (at least 30 hours) with the appropriate courses from the College of Education and Human Development (at least 28 hours) for students who wish to teach social studies in Georgia.

augusta.edu/pamplin/social-sciences/political-science

Program Contact

William Hatcher, PhD

706-737-1710

socsci@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- A grade of C or better is required in all Field of Study, Major Concentration, and Secondary Teacher Education courses
- Exit Exam required in final term

Program Information

Program Length: 4 Years

Academic Focus Area: Social Sciences [SOSC]

CIP Code: 45.1001

Program Code: 1BA-POLS EDU

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

A grade of C or better is required in all Field of Study courses.

Prerequisites:

POLS 1101 - Introduction to American Government (3 Credit Hours)

Required Courses: 12 Hours

POLS 2000 - Society, Law, and the Criminal (3 Credit Hours)

or POLS 2401 - Introduction to Global Issues (3 Credit Hours)

POLS 2101 - Introduction to Political Science (3 Credit Hours)

EDUC 2120 - Exploring Social-Cultural Perspectives on Diversity (3 Credit Hours)

EDUC 2130 - Exploring Learning and Teaching (3 Credit Hours)

Electives in Social Science: 6 Hours

Select two courses from below not chosen elsewhere:

ANTH 1102 - Introductory Anthropology (3 Credit Hours)

CRJU 1103 - Introduction to Criminal Justice (3 Credit Hours)

CSCI 1200 - Introduction to Computers and Programming (3 Credit Hours)
 or MINF 2201 - Microcomputer Applications (3 Credit Hours)
 ECON 1810 - Introduction to Economics (3 Credit Hours)
 ECON 2105 - Macroeconomics (3 Credit Hours)
 ECON 2106 - Microeconomics (3 Credit Hours)
 GEOG 1111 - World Geography (3 Credit Hours)
 HIST 1111 - Pre-Modern World Civilization (3 Credit Hours)
 HIST 1112 - Modern World Civilization (3 Credit Hours)
 HIST 2111 - United States to 1877 (3 Credit Hours)
 HIST 2112 - United States Since 1877 (3 Credit Hours)
 MATH 1401 - Elementary Statistics (3 Credit Hours)
 MGMT 2106 - Legal and Ethical Environment of Business (3 Credit Hours)
 PHIL 2010 - Introduction to Philosophy (3 Credit Hours)
 PHIL 2020 - Introduction to Critical Thinking (3 Credit Hours)
 POLS 2000 - Society, Law, and the Criminal (3 Credit Hours)
 POLS 2401 - Introduction to Global Issues (3 Credit Hours)
 PSYC 1101 - Introduction to General Psychology (3 Credit Hours)
 SABR 2930 - Studies Abroad (1 to 4 Credit Hours)
 SOCI 1101 - Introduction to Sociology (3 Credit Hours)
 SOCI 1160 - Social Problems Analysis (3 Credit Hours)
 SOCI 2241 - Social and Cultural Diversity (3 Credit Hours)
 Language Sequence (1002 or higher)

Major Concentration: 30 Hours

A grade of C or better is required for all major courses.

Required Courses: 15 Hours

POLS 3101 - Comparative European Governments (3 Credit Hours)
 or POLS 4902 - World Politics (3 Credit Hours)
 or POLS 4905 - United States Foreign Policy (3 Credit Hours)
 POLS 3601 - Modern Political Thought (3 Credit Hours)
 or PHIL 3601 - Modern Political Philosophy (3 Credit Hours)
 or POLS 3701 - Contemporary Political Thought (3 Credit Hours)
 or PHIL 3701 - Contemporary Political Philosophy (3 Credit Hours)
 POLS 4301 - Principles of Public Administration (3 Credit Hours)
 or POLS 4401 - Government Organization and Administrative Theory (3 Credit Hours)
 POLS 4501 - Constitutional Law: Distribution of Power (3 Credit Hours)
 or POLS 4601 - Constitutional Law: Civil Liberties (3 Credit Hours)
 SOSOC 3001 - Methods in Social Science (3 Credit Hours)

Electives: 15 Hours

Select additional upper-level POLS courses at the 3000/4000 level.

Free Elective: 1-2 Hours

1-2 hours elective depending on Technology, Mathematics, and Sciences choice from the Core IMPACTS requirements.

Secondary Teacher Certification

A grade of C or better required in all these courses.

Prior to Admission to Teacher Education: 9 Hours

EDUC 2110 - Investigating Critical and Contemporary Issues in Education (3 Credit Hours)
 EDUC 2120 - Exploring Social-Cultural Perspectives on Diversity (3 Credit Hours)
 EDUC 2130 - Exploring Learning and Teaching (3 Credit Hours)

After Admission to Teacher Education: 25 Hours

EDTD 3200 - Assessment and Differentiation for Adolescent Learners (3 Credit Hours)
EDTD 3241 - Adolescent Social Science Pedagogy (3 Credit Hours)
EDTD 4940 - Foundations of Reading Seminar (2 Credit Hours)
SCED 3102 - Secondary School Context and Curriculum (3 Credit Hours)
SCED 4901 - Secondary Culminating Residency (11 Credit Hours)
SPED 3002 - Teaching Students with Disabilities in the Inclusive Classroom (3 Credit Hours)

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)
WELL XXXX - Activity Course (1 Credit Hour)
WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Arts with a Major in Sociology

Program Overview

Pursuing a Bachelor of Arts in Sociology enables students to learn sociological concepts and theories that help them analyze and understand basic social structures and relations between people, groups, organizations and societies. Students will practice critical thinking and communication skills that prepare them for graduate study and a wide range of careers such as human resources representative, lawyer, public relations specialist, policy analyst, social researcher and more.

augusta.edu/pamplin/social-sciences/sociology

Program Contact

William Hatcher, PhD
706-737-1710
socsci@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- A grade of C or better is required in all Major Concentration courses.
- Exit Exam required in final term.

Program Information

Program Length: 4 Years
Academic Focus Area: Social Sciences [SOSC]
CIP Code: 45.1101
Program Code: 1BA-SOC

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

A grade of C or better is required in each of the following courses.

Sociology Courses: 6 Hours

SOCI 1101 - Introduction to Sociology (3 Credit Hours)
 or SOCI 1103 - Introduction to Behavioral and Social Science (3 Credit Hours)
 SOCI 1160 - Social Problems Analysis (3 Credit Hours)

Additional Courses: 12 Hours

Select from the following courses not chosen above:

ANTH 2011 - Cultural Anthropology (3 Credit Hours)
 ECON 1810 - Introduction to Economics (3 Credit Hours) |
 or ECON 2105 - Macroeconomics (3 Credit Hours)
 or ECON 2106 - Microeconomics (3 Credit Hours)
 CRJU 1103 - Introduction to Criminal Justice (3 Credit Hours) (*Grade of C or better*)
 MATH 1401 - Elementary Statistics (3 Credit Hours)
 MINF 2201 - Microcomputer Applications (3 Credit Hours)
 PHIL 2010 - Introduction to Philosophy (3 Credit Hours)
 PHIL 2020 - Introduction to Critical Thinking (3 Credit Hours)
 PSYC 1101 - Introduction to General Psychology (3 Credit Hours)
 SOCI 2241 - Social and Cultural Diversity (3 Credit Hours) (*Grade of C or better*)
 SOCI 2950 - Selected Topics (1 to 3 Credit Hours)
 SOWK 1101 - Introduction to Social Work Practices (3 Credit Hours) (*Grade of C or better*)
 WGST 1101 - Introduction to Women's and Gender Studies (3 Credit Hours)
 A two-course sequence in a foreign language

Major Concentration: 30 Hours

A grade of C or better is required in each course.

Required Courses: 12 Hours

SOCI 3340 - Social Stratification (3 Credit Hours)
 SOCI 3380 - Sociological Theory (3 Credit Hours)
 SOSC 3001 - Methods in Social Science (3 Credit Hours)
 SOSC 3002 - Quantitative Analysis in Social Sciences (3 Credit Hours)
 or SOSC 3003 - Qualitative Analysis in Social Sciences (3 Credit Hours)

Elective Courses: 6 Hours

Select at least two courses from the following not taken above:

SOCI 3000 - Criminology (3 Credit Hours)
 SOCI 3002 - Methods in Social Research II (3 Credit Hours)
 SOCI 3003 - Qualitative Research Methods (3 Credit Hours)
 SOCI 4285 - Sociology of Sport (3 Credit Hours)
 SOCI 4317 - Sociology of Health Care (3 Credit Hours)
 SOCI 4336 - Gender and Victimization (3 Credit Hours)
 SOCI 4385 - Sociology of Religion (3 Credit Hours)
 SOCI 4413 - Sociology of Education (3 Credit Hours)
 SOCI 4421 - Gerontology (3 Credit Hours)
 SOCI 4436 - Obedience and Authority (3 Credit Hours)
 SOCI 4441 - Racial and Ethnic Minority Groups (3 Credit Hours)
 SOCI 4442 - Gender and Society (3 Credit Hours)
 SOCI 4443 - Social Movements (3 Credit Hours)
 SOCI 4451 - Sociology of Work and Occupation (3 Credit Hours)
 SOCI 4653 - Sociology of Golf (3 Credit Hours)

Additional Upper-Division Courses: 12 Hours

Select from upper-division SOCI 3000-4000 courses and/or SOSC 4960.

Free Electives: 28-30 Hours

At least 9 hours must be at the 3000 or 4000 level.

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)

WELL XXXX - Activity Course (1 Credit Hour)

WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Arts with a Major in Sports Management

Program Overview

The Bachelor of Arts with a Major in Sports Management is 120 credit hours, exclusive of 4 hours in wellness and physical activity requirements. Courses are offered in-person and online with less than 50% being online. The degree takes a traditional student four years to complete. The degree program allows students to select up to 21 credit hours in electives (a minor) in which the program faculty encourage students to take courses in other colleges. Minors in Business, Marketing, Communication, World Languages, Psychology, and others related to the interest of the student are encouraged.

augusta.edu/education/kinesiology/sports-management-ba

Program Contact

Dr. C. Steven Page

706-737-1468

cpage1@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Program Information

Program Length: 4 Years

Academic Focus Area: Health Professions [HEPR]

CIP Code: 31.0504

Program Code: 1BA-SMGT

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours**Required Field of Study Courses: 9 Hours**

Take the following courses if not selected in the Social Sciences area of Core IMPACTS:

PSYC 1101 - Introduction to General Psychology (3 Credit Hours)

SOCI 1101 - Introduction to Sociology (3 Credit Hours)

SPMT 2100 - Introduction to Sport Management (3 Credit Hours)

Elective Field of Study Courses: 9 Hours

Select 9 hours from the following:

BUSA 1105 - Introduction to Business and Professional Skills (3 Credit Hours)
COMM 2010 - Media Literacy (3 Credit Hours)
ECON 1810 - Introduction to Economics (3 Credit Hours)
ECON 2105 - Macroeconomics (3 Credit Hours)
ECON 2106 - Microeconomics (3 Credit Hours)
MATH 1401 - Elementary Statistics (3 Credit Hours)
PHIL 2030 - Introduction to Ethics (3 Credit Hours)
PSYC 2150 - Introduction to Human Diversity (3 Credit Hours)

Major Courses Required: 39 Hours

Required Major Courses: 30 Hours

SPMT 3400 - Current Issues in Sports Management (3 Credit Hours)
SPMT 3500 - Sports Ethics (3 Credit Hours)
SPMT 3510 - Sport Marketing (3 Credit Hours)
SPMT 3550 - Legal Issues in Sports (3 Credit Hours)
SPMT 4140 - Organizational Behavior in Sport (3 Credit Hours)
SPMT 4510 - Financial Management of Sport (3 Credit Hours)
SPMT 4540 - Management of Sport and Physical Activity Organizations (3 Credit Hours)
SPMT 4600 - International Sport Management (3 Credit Hours)
MKTG 3700 - Principles of Marketing (3 Credit Hours)
MKTG 4720 - Services Marketing (3 Credit Hours)

Elective Major Courses: 9 Hours

Select 9 hours from the following:

COMM 4340 - Sports Communication (3 Credit Hours)
KNHS 3319 - Exercise Physiology (3 Credit Hours)
KNHS 4410 - Working with Diverse Populations (3 Credit Hours)
SPMT 3450 - E-Sport Management (3 Credit Hours)
SPMT 4710 - Management and Governance of Sport Organizations (3 Credit Hours)
SPMT 4960 - Internship in Sports Management (6 Credit Hours) (*Permission of program faculty required*)

Free Electives: 21 Hours

Select courses at the 3000 or 4000 level and with consultation with advisor.

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)
WELL XXXX - Activity Course (1 Credit Hour)
WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Arts in World Languages

Bachelor of Arts in World Languages and a Concentration in French

Program Overview

French is one of the 5 most spoken languages in the world and is regularly used in international business and diplomacy. The French concentration is designed for students who are interested in French and Francophone literatures, linguistics, culture, and writing. The development of leadership and other skills essential to success in a variety of careers (such as cyber, legal, and a variety of other professions) as well as transferable skills (such as critical thinking, creative problem solving, collaboration) are infused into the curriculum. Students can also work closely with faculty on academic research and complete an internship, as well as participate in French clubs and Study Abroad programs. Students in this concentration regularly continue to graduate studies as well as medical, dental, and law school. The program consists of 30 hours of upper-division French classes.

augusta.edu/pamplin/english-world-languages/worldlanguages

Program Contact

Christopher Botero, PhD
706-737-1500
ewl@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

A grade of C or better is required in all Major Concentration courses.

For information on world language credit by examination through CLEP, the International Baccalaureate Program or the Defense Language Institute, see the Admissions webpage: augusta.edu/admissions/credit-by-exam.php.

For student and program assessment, the Department of English and World Languages has instituted the following policy.

Majors must submit and successfully complete a Senior Capstone Project acceptable to the appropriate committee. This project is required for graduation.

Program Information

Program Length: 4 Years
Academic Focus Area: Arts and Humanities [HUAR]
CIP Code: 16.9999
Program Code: 1BAWL-WLAN

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

FREN 1002 - Elementary French II (3 Credit Hours)
 FREN 2001 - Intermediate French I (3 Credit Hours)
 FREN 2002 - Intermediate French II (3 Credit Hours)

Select three of the following courses: 9 Hours

ANTH 1102 - Introductory Anthropology (3 Credit Hours)
 ANTH 2011 - Cultural Anthropology (3 Credit Hours)
 ART 1000 - Ceramics I for Non-Art Majors and Non-Art Minors (3 Credit Hours)
 ART 1001 - Oil Painting for Non-Art Majors and Non-Art Minors (3 Credit Hours)
 ART 1002 - Photography I for Non-Art Majors and Non-Art Minors (3 Credit Hours)
 ART 1003 - Watercolor for Non-Art Majors (3 Credit Hours)
 ART 1211 - Drawing I: An Introduction to Techniques and Methods of Expression (3 Credit Hours)
 ART 1520 - Two-Dimensional Design (3 Credit Hours)
 ART 1530 - Three-Dimensional Design (3 Credit Hours)
 ART 2612 - Art History II: Charting the Historical Emergence of Modernism (3 Credit Hours)
 CRJU 2950 - Selected Topics (1 to 3 Credit Hours)
 ENGL 2110 - Creative Writing (3 Credit Hours)
 ENGL 2950 - Selected Topics (3 Credit Hours)
 FREN 1001 - Elementary French I (3 Credit Hours)
 FREN 2950 - Studies in Francophone Culture (3 Credit Hours) *May only be counted once for the major
 GRMN 1001 - Elementary German I (3 Credit Hours)
 GRMN 1002 - Elementary German II (3 Credit Hours)
 GRMN 2001 - Intermediate German I (3 Credit Hours)
 GRMN 2002 - Intermediate German II (3 Credit Hours)
 HIST 1111 - Pre-Modern World Civilization (3 Credit Hours)
 HIST 1112 - Modern World Civilization (3 Credit Hours)
 HIST 2111 - United States to 1877 (3 Credit Hours)
 HIST 2112 - United States Since 1877 (3 Credit Hours)
 HONR 1900 - Honors: Contemporary Issues (3 Credit Hours)
 HUMN 2010 - Human Experience and Meaning (3 Credit Hours)
 HUMN 2950 - Selected Topics (1 to 3 Credit Hours)
 MUSI 2320 - Rock n' Roll and Society (3 Credit Hours)
 PHIL 2010 - Introduction to Philosophy (3 Credit Hours)
 POLS 2101 - Introduction to Political Science (3 Credit Hours)
 POLS 2401 - Introduction to Global Issues (3 Credit Hours)
 PSYC 1101 - Introduction to General Psychology (3 Credit Hours)
 PSYC 2101 - Introduction to Psychology of Adjustment (3 Credit Hours)
 PSYC 2103 - Introduction to Human Development (3 Credit Hours)
 PSYC 2150 - Introduction to Human Diversity (3 Credit Hours)
 SABR 2930 - Studies Abroad (1 to 4 Credit Hours)
 SOCI 1101 - Introduction to Sociology (3 Credit Hours)
 SOCI 1160 - Social Problems Analysis (3 Credit Hours)
 SOCI 2241 - Social and Cultural Diversity (3 Credit Hours)
 SOCI 2950 - Selected Topics (1 to 3 Credit Hours)
 SOWK 2950 - Selected Topics (1 to 3 Credit Hours)
 SPAN 1001 - Elementary Spanish I (3 Credit Hours)
 SPAN 1002 - Elementary Spanish II (3 Credit Hours)
 SPAN 2001 - Intermediate Spanish I (3 Credit Hours)
 SPAN 2002 - Intermediate Spanish II (3 Credit Hours)
 SPAN 2950 - Studies in Hispanophone Culture (3 Credit Hours)
 WGST 1101 - Introduction to Women's and Gender Studies (3 Credit Hours)
 WGST 2950 - Selected Topics (3 Credit Hours)

Major Concentration: 30 Hours

(Grade of C or better is required in all major courses)

FREN 3100 - Oral Expression in French (3 Credit Hours)

FREN 3300 - Written Expression in French (3 Credit Hours)

FREN 3400 - French Phonetics (3 Credit Hours)

Complete 21 Additional Credit Hours:

- Any FREN courses numbered between 3000 and 4999, except for FREN-4801 and FREN-4802.
- Minor Concentration & Electives: 30 Hours
- Minor Concentration: 15-18 Hours
- Free Electives: 12-15 Hours

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)

WELL XXXX - Activity Course (1 Credit Hour)

WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Arts in World Languages and a Concentration in French with P-12 Teacher Certification

Program Overview

French is one of the 5 most spoken languages in the world and is regularly used in international business and diplomacy. The world language major with a French education concentration (P-12 certification) is designed for students interested in careers in teaching in elementary, middle, and/or high school settings. Students learn about the education system of the United States while furthering their knowledge of the French language, French and Francophone literature, linguistics, and culture so that they are prepared to enter the classroom upon graduation. The program combines 30 hours of upper-division French classes and P-12 certification.

Augusta.edu/136nglish/136nglish-world-languages/worldlanguages

Program Contact

Christopher Botero, PhD

706-737-1500

ewl@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- A grade of C or better is required in all Major Concentration courses.

- For information on foreign language credit by examination through CLEP, the International Baccalaureate Program or the Defense Language Institute, see the Admissions webpage: augusta.edu/admissions/credit-by-exam.php
- For student and program assessment, the Department of English and World Languages has instituted the following policies. Except where noted, they are intended for all students enrolled in upper-division foreign language courses, regardless of major, minor or degree seeking status.
- Majors must submit and successfully complete a Senior Capstone Project acceptable to the appropriate committee. This project is required for graduation.

Program Information

Program Length: 4 Years

Academic Focus Area: Arts and Humanities [HUAR]

CIP Code: 16.9999

Program Code: 1BAWL-WLAN

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

FREN 1002 - Elementary French II (3 Credit Hours)

FREN 2001 - Intermediate French I (3 Credit Hours)

FREN 2002 - Intermediate French II (3 Credit Hours)

Electives: 9 Hours

Select three of the following courses:

ANTH 1102 - Introductory Anthropology (3 Credit Hours)

ANTH 2011 - Cultural Anthropology (3 Credit Hours)

ART 1000 - Ceramics I for Non-Art Majors and Non-Art Minors (3 Credit Hours)

ART 1001 - Oil Painting for Non-Art Majors and Non-Art Minors (3 Credit Hours)

ART 1002 - Photography I for Non-Art Majors and Non-Art Minors (3 Credit Hours)

ART 1003 - Watercolor for Non-Art Majors (3 Credit Hours)

ART 1211 - Drawing I: An Introduction to Techniques and Methods of Expression (3 Credit Hours)

ART 1520 - Two-Dimensional Design (3 Credit Hours)

ART 1530 - Three-Dimensional Design (3 Credit Hours)

ART 2612 - Art History II: Charting the Historical Emergence of Modernism (3 Credit Hours)

CRJU 2950 - Selected Topics (1 to 3 Credit Hours)

ENGL 2110 - Creative Writing (3 Credit Hours)

ENGL 2950 - Selected Topics (3 Credit Hours)

FREN 1001 - Elementary French I (3 Credit Hours)

FREN 2950 - Studies in Francophone Culture (3 Credit Hours)

GRMN 1001 - Elementary German I (3 Credit Hours)

GRMN 1002 - Elementary German II (3 Credit Hours)

GRMN 2001 - Intermediate German I (3 Credit Hours)

GRMN 2002 - Intermediate German II (3 Credit Hours)

HIST 1111 - Pre-Modern World Civilization (3 Credit Hours)

HIST 1112 - Modern World Civilization (3 Credit Hours)

HIST 2111 - United States to 1877 (3 Credit Hours)

HIST 2112 - United States Since 1877 (3 Credit Hours)

HONR 1900 - Honors: Contemporary Issues (3 Credit Hours)

HUMN 2010 - Human Experience and Meaning (3 Credit Hours)

HUMN 2950 - Selected Topics (1 to 3 Credit Hours)

MUSI 2320 - Rock n' Roll and Society (3 Credit Hours)

PHIL 2010 - Introduction to Philosophy (3 Credit Hours)

POLS 2101 - Introduction to Political Science (3 Credit Hours)
 POLS 2401 - Introduction to Global Issues (3 Credit Hours)
 PSYC 1101 - Introduction to General Psychology (3 Credit Hours)
 PSYC 2101 - Introduction to Psychology of Adjustment (3 Credit Hours)
 PSYC 2103 - Introduction to Human Development (3 Credit Hours)
 PSYC 2150 - Introduction to Human Diversity (3 Credit Hours)
 SABR 2930 - Studies Abroad (1 to 4 Credit Hours)
 SOCI 1101 - Introduction to Sociology (3 Credit Hours)
 SOCI 1160 - Social Problems Analysis (3 Credit Hours)
 SOCI 2241 - Social and Cultural Diversity (3 Credit Hours)
 SOCI 2950 - Selected Topics (1 to 3 Credit Hours)
 SOWK 2950 - Selected Topics (1 to 3 Credit Hours)
 SPAN 1001 - Elementary Spanish I (3 Credit Hours)
 SPAN 1002 - Elementary Spanish II (3 Credit Hours)
 SPAN 2001 - Intermediate Spanish I (3 Credit Hours)
 SPAN 2002 - Intermediate Spanish II (3 Credit Hours)
 SPAN 2950 - Studies in Hispanophone Culture (3 Credit Hours)
 WGST 1101 - Introduction to Women's and Gender Studies (3 Credit Hours)
 WGST 2950 - Selected Topics (3 Credit Hours)

Major Concentration: 30 Hours

A grade of C or better is required for all courses in the major.

FREN 3100 - Oral Expression in French (3 Credit Hours)
 FREN 3300 - Written Expression in French (3 Credit Hours)
 FREN 3400 - French Phonetics (3 Credit Hours)

Plus select additional FREN Courses: 21 Hours

FREN courses numbered between 3000 and 4999, except for FREN 4801 and FREN 4802.

Teacher Certification Sequence: 35 Hours

Before Admission to Teacher Education Program

The following courses are to be taken before admission to the Teacher Education Program:

EDUC 2110 - Investigating Critical and Contemporary Issues in Education (3 Credit Hours)
 EDUC 2120 - Exploring Social-Cultural Perspectives on Diversity (3 Credit Hours)
 EDUC 2130 - Exploring Learning and Teaching (3 Credit Hours)

After Admission to Teacher Education Program

The following courses are to be taken after the student enters the Teacher Education Program (with the exception of FREN 4801 and FREN 4802):

ELED 3151 - Elementary Curriculum (3 Credit Hours)
 or ELED 3252 - Language Arts Curriculum (3 Credit Hours)
 or MGED 3100 - The Nature and Needs of the Middle Grades Learner (3 Credit Hours)
 or SCED 3102 - Secondary School Context and Curriculum (3 Credit Hours)
 EDTD 3200 - Assessment and Differentiation for Adolescent Learners (3 Credit Hours)
 FREN 4801 - Methods and Materials for Teaching World Language I (2 Credit Hours)
 FREN 4802 - Methods and Materials for Teaching World Language II (2 Credit Hours)
 SPED 3002 - Teaching Students with Disabilities in the Inclusive Classroom (3 Credit Hours)

Student Teaching: 13 Hours

SCED 4901 - Secondary Culminating Residency (11 Credit Hours)
 EDTD 4940 - Foundations of Reading Seminar (2 Credit Hours)

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)
 WELL XXXX - Activity Course (1 Credit Hour)
 WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 127-128 Hours

Bachelor of Arts in World Languages with a Concentration in Spanish

Program Overview

Spanish is one of the 5 most spoken languages in the world, and it is the second most widely spoken language in the United States. The Spanish concentration is designed for students who are interested in Hispanic literatures, linguistics, civilizations, culture, writing, translation, or interpretation. The development of leadership and other skills essential to success in a variety of careers (such as cyber, legal, and a variety of other professions) as well as transferable skills (such as critical thinking, creative problem solving, collaboration) are infused into the curriculum. Students can also work closely with faculty on academic research and complete an internship, as well as participate in Spanish clubs and the Study Abroad and Away programs. Students in this concentration regularly continue to graduate studies as well as medical, dental, and law school. The program consists of 30 hours of upper-division Spanish classes.

augusta.edu/pamplin/english-world-languages/worldlanguages

Program Contact

Christopher Botero, PhD
 706-737-1500
ewl@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- A grade of C or better is required in all Major Concentration courses.
- For information on foreign language credit by examination through CLEP, the International Baccalaureate Program or the Defense Language Institute, see the Admissions webpage at augusta.edu/admissions/credit-by-exam.
- For student and program assessment, the Department of English and World Languages has instituted the following policies. Except where noted, they are intended for all students enrolled in upper-division foreign language courses, regardless of major, minor or degree seeking status.
- Majors must submit and successfully complete a Senior Capstone Project acceptable to the appropriate committee. This project is required for graduation.
- Exit Interviews - All world language majors are required to participate in the exit interview the semester they are completing their ninth upper-division foreign language course.

Program Information

Program Length: 4 Years
 Academic Focus Area: Arts and Humanities [HUAR]
 CIP Code: 16.9999
 Program Code: 1BAWL-WLAN

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

Required Courses: 9 Hours

SPAN 1002 - Elementary Spanish II (3 Credit Hours)
SPAN 2001 - Intermediate Spanish I (3 Credit Hours)
SPAN 2002 - Intermediate Spanish II (3 Credit Hours)

Elective Courses: 9 Hours

Select from the following:

ANTH 1102 - Introductory Anthropology (3 Credit Hours)
ANTH 2011 - Cultural Anthropology (3 Credit Hours)
ART 1000 - Ceramics I for Non-Art Majors and Non-Art Minors (3 Credit Hours)
ART 1001 - Oil Painting for Non-Art Majors and Non-Art Minors (3 Credit Hours)
ART 1002 - Photography I for Non-Art Majors and Non-Art Minors (3 Credit Hours)
ART 1003 - Watercolor for Non-Art Majors (3 Credit Hours)
ART 1211 - Drawing I: An Introduction to Techniques and Methods of Expression (3 Credit Hours)
ART 1520 - Two-Dimensional Design (3 Credit Hours)
ART 1530 - Three-Dimensional Design (3 Credit Hours)
ART 2612 - Art History II: Charting the Historical Emergence of Modernism (3 Credit Hours)
CRJU 2950 - Selected Topics (1 to 3 Credit Hours)
ENGL 2110 - Creative Writing (3 Credit Hours)
ENGL 2950 - Selected Topics (3 Credit Hours)
FREN 1001 - Elementary French I (3 Credit Hours)
FREN 1002 - Elementary French II (3 Credit Hours)
FREN 2001 - Intermediate French I (3 Credit Hours)
FREN 2002 - Intermediate French II (3 Credit Hours)
FREN 2950 - Studies in Francophone Culture (3 Credit Hours)
GRMN 1001 - Elementary German I (3 Credit Hours)
GRMN 1002 - Elementary German II (3 Credit Hours)
GRMN 2001 - Intermediate German I (3 Credit Hours)
GRMN 2002 - Intermediate German II (3 Credit Hours)
HIST 1111 - Pre-Modern World Civilization (3 Credit Hours)
HIST 1112 - Modern World Civilization (3 Credit Hours)
HIST 2111 - United States to 1877 (3 Credit Hours)
HIST 2112 - United States Since 1877 (3 Credit Hours)
HONR 1900 - Honors: Contemporary Issues (3 Credit Hours)
HUMN 2950 - Selected Topics (1 to 3 Credit Hours)
MUSI 2320 - Rock n' Roll and Society (3 Credit Hours)
PHIL 2010 - Introduction to Philosophy (3 Credit Hours)
POLS 2101 - Introduction to Political Science (3 Credit Hours)
POLS 2401 - Introduction to Global Issues (3 Credit Hours)
PSYC 1101 - Introduction to General Psychology (3 Credit Hours)
PSYC 2101 - Introduction to Psychology of Adjustment (3 Credit Hours)
PSYC 2103 - Introduction to Human Development (3 Credit Hours)
PSYC 2150 - Introduction to Human Diversity (3 Credit Hours)
SABR 2930 - Studies Abroad (1 to 4 Credit Hours)
SOCI 1101 - Introduction to Sociology (3 Credit Hours)
SOCI 1160 - Social Problems Analysis (3 Credit Hours)
SOCI 2241 - Social and Cultural Diversity (3 Credit Hours)
SOCI 2950 - Selected Topics (1 to 3 Credit Hours)
SOWK 2950 - Selected Topics (1 to 3 Credit Hours)
SPAN 1001 - Elementary Spanish I (3 Credit Hours)

SPAN 2950 - Studies in Hispanophone Culture (3 Credit Hours)
WGST 1101 - Introduction to Women's and Gender Studies (3 Credit Hours)
WGST 2950 - Selected Topics (3 Credit Hours)

Major Concentration Courses: 30 Hours

A grade of C or better is required in all major courses.

SPAN 3300 - Spanish Composition (3 Credit Hours)
SPAN 3510 - Introduction to Literature (3 Credit Hours)

Spanish Conversation Course: 3 Hours

Select one of the following:

SPAN 3100 - Conversational Spanish (3 Credit Hours)
SPAN 3150 - Spanish for Heritage Speakers (3 Credit Hours)

Spanish Culture Course: 3 Hours

Select one of the following:

SPAN 3211 - Spanish-American Civilizations I (Pre-Columbian - 1821) (3 Credit Hours)
SPAN 3212 - Spanish-American Civilizations II (1821 - Present) (3 Credit Hours)
SPAN 3220 - The Culture and Civilization of Spain (3 Credit Hours)

Major Concentration Electives: 18 Hours

Select from the following:

SPAN 3520 - Spanish American Theater (3 Credit Hours)
SPAN 3610 - Spanish for Business (3 Credit Hours)
SPAN 3620 - Spanish for the Medical Professions (3 Credit Hours)
SPAN 4100 - Advanced Conversational Spanish (3 Credit Hours)
SPAN 4300 - Advanced Composition (3 Credit Hours)
SPAN 4400 - Introduction to Hispanic Linguistics (3 Credit Hours)
SPAN 4410 - The Sound System of Spanish (3 Credit Hours)
SPAN 4420 - Applied Linguistics (3 Credit Hours)
SPAN 4560 - Hispanic American Literature (3 Credit Hours)
SPAN 4600 - Translation Theory and Methodology (3 Credit Hours)
SPAN 4950 - Selected Topics (3 Credit Hours)
SABR 3930 - Studies Abroad (1 to 3 Credit Hours)
SABR 4930 - Studies Abroad (1 to 12 Credit Hours)
SPAN 4960 - Undergraduate Internship (1 to 3 Credit Hours)

Minor and Electives: 30 Hours

Minor Courses: 15-18 Hours

Select and fulfill the requirements of a minor in a different discipline than the major.

Free Electives: 12-15 Hours

As needed to complete the credit hours required for graduation. Select from any non-WELL courses.

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)
WELL XXXX - Activity Course (1 Credit Hour)
WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Arts in World Languages with a Concentration in Spanish with P-12 Teacher Certification

Program Overview

Spanish is one of the 5 most spoken languages in the world, and it is the second most widely spoken language in the United States. The world language major with a Spanish education concentration (P-12 certification) is designed for students interested in careers in teaching in elementary, middle, and/or high school settings. Students learn about the education system of the United States while furthering their knowledge of Hispanic literature, linguistics, and culture so that they are prepared to enter the classroom upon graduation. The program combines 30 hours of upper-division Spanish classes and P-12 teaching certification.

augusta.edu/pamplin/english-world-languages/worldlanguages

Program Contact

Christopher Botero, PhD
706-737-1500
ewl@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- A grade of C or better is required in all Major Concentration courses.
- For information on foreign language credit by examination through CLEP, the International Baccalaureate Program or the Defense Language Institute, see the Admissions webpage: augusta.edu/admissions/credit-by-exam.
- For student and program assessment, the Department of English and World Languages has instituted the following policy: Majors must submit and successfully complete a Senior Capstone Project acceptable to the appropriate committee. This project is required for graduation.

Program Information

Program Length: 4 Years
Academic Focus Area: Arts and Humanities [HUAR]
CIP Code: 16.9999
Program Code: 1BAWL-WLAN

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

Required Courses: 9 Hours

SPAN 1002 - Elementary Spanish II (3 Credit Hours)
SPAN 2001 - Intermediate Spanish I (3 Credit Hours)
SPAN 2002 - Intermediate Spanish II (3 Credit Hours)

Electives: 9 Hours

Select from the following:

ANTH 1102 - Introductory Anthropology (3 Credit Hours)
 ANTH 2011 - Cultural Anthropology (3 Credit Hours)
 ART 1000 - Ceramics I for Non-Art Majors and Non-Art Minors (3 Credit Hours)
 ART 1001 - Oil Painting for Non-Art Majors and Non-Art Minors (3 Credit Hours)
 ART 1002 - Photography I for Non-Art Majors and Non-Art Minors (3 Credit Hours)
 ART 1003 - Watercolor for Non-Art Majors (3 Credit Hours)
 ART 1211 - Drawing I: An Introduction to Techniques and Methods of Expression (3 Credit Hours)
 ART 1520 - Two-Dimensional Design (3 Credit Hours)
 ART 1530 - Three-Dimensional Design (3 Credit Hours)
 ART 2612 - Art History II: Charting the Historical Emergence of Modernism (3 Credit Hours)
 CRJU 2950 - Selected Topics (1 to 3 Credit Hours)
 ENGL 2110 - Creative Writing (3 Credit Hours)
 ENGL 2950 - Selected Topics (3 Credit Hours)
 FREN 1001 - Elementary French I (3 Credit Hours)
 FREN 1002 - Elementary French II (3 Credit Hours)
 FREN 2001 - Intermediate French I (3 Credit Hours)
 FREN 2002 - Intermediate French II (3 Credit Hours)
 FREN 2950 - Studies in Francophone Culture (3 Credit Hours)
 GRMN 1001 - Elementary German I (3 Credit Hours)
 GRMN 1002 - Elementary German II (3 Credit Hours)
 GRMN 2001 - Intermediate German I (3 Credit Hours)
 GRMN 2002 - Intermediate German II (3 Credit Hours)
 HIST 1111 - Pre-Modern World Civilization (3 Credit Hours)
 HIST 1112 - Modern World Civilization (3 Credit Hours)
 HIST 2111 - United States to 1877 (3 Credit Hours)
 HIST 2112 - United States Since 1877 (3 Credit Hours)
 HONR 1900 - Honors: Contemporary Issues (3 Credit Hours)
 HUMN 2010 - Human Experience and Meaning (3 Credit Hours)
 HUMN 2950 - Selected Topics (1 to 3 Credit Hours)
 MUSI 2320 - Rock n' Roll and Society (3 Credit Hours)
 MUSI 2330 - Music of the World's Peoples (3 Credit Hours)
 PHIL 2010 - Introduction to Philosophy (3 Credit Hours)
 POLS 2101 - Introduction to Political Science (3 Credit Hours)
 POLS 2401 - Introduction to Global Issues (3 Credit Hours)
 PSYC 1101 - Introduction to General Psychology (3 Credit Hours)
 PSYC 2101 - Introduction to Psychology of Adjustment (3 Credit Hours)
 PSYC 2103 - Introduction to Human Development (3 Credit Hours)
 PSYC 2150 - Introduction to Human Diversity (3 Credit Hours)
 SABR 2930 - Studies Abroad (1 to 4 Credit Hours)
 SOCI 1101 - Introduction to Sociology (3 Credit Hours)
 SOCI 1160 - Social Problems Analysis (3 Credit Hours)
 SOCI 2241 - Social and Cultural Diversity (3 Credit Hours)
 SOCI 2950 - Selected Topics (1 to 3 Credit Hours)
 SOWK 2950 - Selected Topics (1 to 3 Credit Hours)
 SPAN 1001 - Elementary Spanish I (3 Credit Hours)
 SPAN 2950 - Studies in Hispanophone Culture (3 Credit Hours)
 WGST 1101 - Introduction to Women's and Gender Studies (3 Credit Hours)
 WGST 2950 - Selected Topics (3 Credit Hours)

Major Concentration Courses: 30 Hours

A grade of C or better is required in all major courses.

SPAN 3300 - Spanish Composition (3 Credit Hours)

SPAN 3510 - Introduction to Literature (3 Credit Hours)
SPAN 4400 - Introduction to Hispanic Linguistics (3 Credit Hours)

Spanish Conversation Course: 3 Hours

Select one of the following:

SPAN 3100 - Conversational Spanish (3 Credit Hours)
SPAN 3150 - Spanish for Heritage Speakers (3 Credit Hours)

Spanish Culture Course: 3 Hours

Select one of the following:

SPAN 3211 - Spanish-American Civilizations I (Pre-Columbian - 1821) (3 Credit Hours)
SPAN 3212 - Spanish-American Civilizations II (1821 - Present) (3 Credit Hours)
SPAN 3220 - The Culture and Civilization of Spain (3 Credit Hours)

Major Concentration Electives: 15 Hours

Select from the following:

SPAN 3520 - Spanish American Theater (3 Credit Hours)
SPAN 3610 - Spanish for Business (3 Credit Hours)
SPAN 3620 - Spanish for the Medical Professions (3 Credit Hours)
SPAN 4100 - Advanced Conversational Spanish (3 Credit Hours)
SPAN 4300 - Advanced Composition (3 Credit Hours)
SPAN 4410 - The Sound System of Spanish (3 Credit Hours)
SPAN 4420 - Applied Linguistics (3 Credit Hours)
SPAN 4560 - Hispanic American Literature (3 Credit Hours)
SPAN 4600 - Translation Theory and Methodology (3 Credit Hours)
SPAN 4950 - Selected Topics (3 Credit Hours)
SABR 3930 - Studies Abroad (1 to 3 Credit Hours)
SABR 4930 - Studies Abroad (1 to 12 Credit Hours)
SPAN 4960 - Undergraduate Internship (1 to 3 Credit Hours)

Teacher Certification Sequence: 35 Hours

Before Admission to Teacher Education Program

The following courses are to be taken before admission to the Teacher Education Program:

EDUC 2110 - Investigating Critical and Contemporary Issues in Education (3 Credit Hours)
EDUC 2120 - Exploring Social-Cultural Perspectives on Diversity (3 Credit Hours)
EDUC 2130 - Exploring Learning and Teaching (3 Credit Hours)

After Admission to Teacher Education Program

The following courses are to be taken after the student enters the Teacher Education Program (with the exception of FREN 4801 and FREN 4802):

ELED 3151 - Elementary Curriculum (3 Credit Hours)
 or ELED 3252 - Language Arts Curriculum (3 Credit Hours)
 or MGED 3100 - The Nature and Needs of the Middle Grades Learner (3 Credit Hours)
 or SCED 3102 - Secondary School Context and Curriculum (3 Credit Hours)
EDTD 3200 - Assessment and Differentiation for Adolescent Learners (3 Credit Hours)
SPAN 4801 - Methods and Materials for Teaching World Language I (2 Credit Hours)
SPAN 4802 - Methods and Materials for Teaching World Language II (2 Credit Hours)
SPED 3002 - Teaching Students with Disabilities in the Inclusive Classroom (3 Credit Hours)

Student Teaching: 13 Hours

SCED 4901 - Secondary Culminating Residency (11 Credit Hours)
EDTD 4940 - Foundations of Reading Seminar (2 Credit Hours)

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)

WELL XXXX - Activity Course (1 Credit Hour)

WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 127-128 Hours

Bachelor of Business Administration

Bachelor of Business Administration

Program Overview

The Bachelor of Business Administration focuses on the general study of business, including the processes of interchanging goods and services (buying, selling and producing), business organization, and accounting as used in profit-making and nonprofit public and private institutions and agencies. This program prepares individuals to apply business principles and techniques in various occupational settings. This program offers students the opportunity to "customize" their degree.

augusta.edu/hull/programs

Program Accreditation

The Hull College of Business is accredited by the Association to Advance Collegiate Schools of Business (AACSB).

Program Contact

James Mayes

706-737-1560

CAPCenter@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

A grade of C or better required in all Field of Study, Business Core, and Concentration courses.

Program Information

Program Length: 4 Years

Academic Focus Area: Business [BUSI]

CIP Code: 52.0101

Program Code: 1BBAGB-BUAM

Major Code: BUAM

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

A grade of C or better required in all courses listed below.

ACCT 2101 - Principles of Accounting I (3 Credit Hours)
 ACCT 2102 - Principles of Accounting II (3 Credit Hours)
 BUSA 1105 - Introduction to Business and Professional Skills (3 Credit Hours)
 ECON 2105 - Macroeconomics (3 Credit Hours)
 ECON 2106 - Microeconomics (3 Credit Hours)
 MINF 2650 - Principles of Data Management and Analysis (3 Credit Hours)

Required Lower-Division Course: 3 Hours

May be used in the Core Curriculum. Grade of C or better is required in this course.

MATH 1401 - Elementary Statistics (3 Credit Hours)

Business Core: 36 Hours

A grade of C or better is required in all courses listed below.

BUSA 4200 - International Business (3 Credit Hours)
 BUSA 4960 - Undergraduate Internship (3 Credit Hours)
 FINC 3400 - Corporate Finance (3 Credit Hours)
 MGMT 2106 - Legal and Ethical Environment of Business (3 Credit Hours)
 MGMT 3500 - Management Theory and Practice (3 Credit Hours)
 MGMT 4580 - Strategic Management (3 Credit Hours)
 MINF 3625 - Project Management (3 Credit Hours)
 MINF 3650 - Information Systems (3 Credit Hours)
 MKTG 3700 - Principles of Marketing (3 Credit Hours)
 MKTG 3730 - Professional Selling (3 Credit Hours)
 QUAN 4640 - Operations Management (3 Credit Hours)
 QUAN 3600 - Fundamental Analytics for Business Decision Making (3 Credit Hours)

Business Electives: 18 Hours

Select six courses from the following. A grade of C or better is required in all Business Elective courses.

ACCT 3XXX-4XXX - Accounting Elective (3 Credit Hours)
 BUSA 3XXX-4XXX - Business Administration Elective (3 Credit Hours)
 ECON 3XXX-4XXX - Economics Elective (3 Credit Hours)
 FINC 3XXX-4XXX - Finance Elective (3 Credit Hours)
 MGMT 3XXX-4XXX - Management Elective (3 Credit Hours)
 MINF 3XXX-4XXX - Information Management Elective (3 Credit Hours)
 MKTG 3XXX-4XXX - Marketing Elective (3 Credit Hours)
 QUAN 3XXX-4XXX - Management Science Elective (3 Credit Hours)

Free Electives: 6 Hours

As needed to complete the credit hours required for graduation. Select from any non-WELL courses.

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)
 WELL XXXX - Activity Course (1 Credit Hour)
 WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Business Administration with a Concentration in Business Economics

Program Overview

The Bachelor of Business Administration with a concentration in Business Economics provides students with the conceptual and analytical tools to make better business decisions. Students develop skills in describing, presenting, and analyzing economic data for improved managerial decision-making. The concentration also gives students an opportunity to undertake their own research project.

augusta.edu/hull/programs

Program Accreditation

The Hull College of Business is accredited by the Association to Advance Collegiate Schools of Business (AACSB).

Program Contact

James Mayes
706-737-1560
CAPCenter@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

A grade of C or better required in all Field of Study, Business Core, and Concentration courses.

Program Information

Program Length: 4 Years
Academic Focus Area: Business [BUSI]
CIP Code: 52.0101
Program Code: 1BBAGB-BUAM
Major Code: BUAM
Concentration Code: AECA

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

A grade of C or better required in all courses listed below.
ACCT 2101 - Principles of Accounting I (3 Credit Hours)
ACCT 2102 - Principles of Accounting II (3 Credit Hours)
BUSA 1105 - Introduction to Business and Professional Skills (3 Credit Hours)
ECON 2105 - Macroeconomics (3 Credit Hours)
ECON 2106 - Microeconomics (3 Credit Hours)
MINF 2650 - Principles of Data Management and Analysis (3 Credit Hours)

Required Lower-Division Course: 3 Hours

May be used in the Core Curriculum. Grade of C or better is required in this course.
MATH 1401 - Elementary Statistics (3 Credit Hours)

Business Core: 36 Hours

A grade of C or better required in all courses listed below.

BUSA 4200 - International Business (3 Credit Hours)
 BUSA 4960 - Undergraduate Internship (3 Credit Hours)
 FINC 3400 - Corporate Finance (3 Credit Hours)
 MGMT 2106 - Legal and Ethical Environment of Business (3 Credit Hours)
 MGMT 3500 - Management Theory and Practice (3 Credit Hours)
 MGMT 4580 - Strategic Management (3 Credit Hours)
 MINF 3625 - Project Management (3 Credit Hours)
 MINF 3650 - Information Systems (3 Credit Hours)
 MKTG 3700 - Principles of Marketing (3 Credit Hours)
 MKTG 3730 - Professional Selling (3 Credit Hours)
 QUAN 3600 - Fundamental Analytics for Business Decision Making (3 Credit Hours)
 QUAN 4640 - Operations Management (3 Credit Hours)

Concentration Courses: 18 Hours

A grade of C or better required in all courses listed below.

ECON 3105 - Intermediate Macroeconomics (3 Credit Hours)
 ECON 3106 - Intermediate Microeconomics (3 Credit Hours)
 ECON 4110 - Economic Modeling and Forecasting (3 Credit Hours)

Plus select three of the following:

ACCT 3321 - Cost Accounting (3 Credit Hours)
 ECON 3130 - Healthcare Economics and Finance (3 Credit Hours)
 ECON 4106 - Firm & Industry Studies (3 Credit Hours)
 ECON 4110 - Economic Modeling and Forecasting (3 Credit Hours)
 ECON 4420 - Financial Markets and Institutions (3 Credit Hours)
 ECON 4990 - Undergraduate Research (1 to 3 Credit Hours)
 FINC 4420 - Financial Markets and Institutions (3 Credit Hours)
 QUAN 4630 - Business Analytics (3 Credit Hours)
 Other courses as approved by the college

Free Electives: 6 Hours

As needed to complete the credit hours required for graduation. Select from any non-WELL courses.

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)
 WELL XXXX - Activity Course (1 Credit Hour)
 WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Business Administration with a Concentration in Corporate Finance

Program Overview

The Bachelor of Business Administration with a concentration in Corporate Finance is focused on the financial management of organizations. It involves making financial decisions that aim to maximize the value of the organization while effectively managing its financial resources. The primary goal of corporate finance is to ensure that an organization can achieve its financial objectives and create wealth for its

owners or shareholders. Our students learn about capital budgeting, working capital management, capital structure, financial decision making, risk management, financial statement analysis, and valuation.

Program Accreditation

The Hull College of Business is accredited by the Association to Advance Collegiate Schools of Business (AACSB).

Program Contact

James Mayes
706-737-1560
CAPCenter@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

A grade of C or better required in all Field of Study, Business Core, and Concentration courses.

Program Information

Program Length: 4 Years
Academic Focus Area: Business [BUSI]
CIP Code: 52.0101
Program Code: 1BBAGB-BUAM
Major Code: BUAM
Concentration Code: COFI

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

A grade of C or better required in all courses listed below.

ACCT 2101 - Principles of Accounting I (3 Credit Hours)
ACCT 2102 - Principles of Accounting II (3 Credit Hours)
BUSA 1105 - Introduction to Business and Professional Skills (3 Credit Hours)
ECON 2105 - Macroeconomics (3 Credit Hours)
ECON 2106 - Microeconomics (3 Credit Hours)
MINF 2650 - Principles of Data Management and Analysis (3 Credit Hours)

Business Core: 36 Hours

A grade of C or better is required in the courses listed below.

BUSA 4200 - International Business (3 Credit Hours)
BUSA 4960 - Undergraduate Internship (3 Credit Hours)
FINC 3400 - Corporate Finance (3 Credit Hours)
MGMT 2106 - Legal and Ethical Environment of Business (3 Credit Hours)
MGMT 3500 - Management Theory and Practice (3 Credit Hours)
MGMT 4580 - Strategic Management (3 Credit Hours)
MINF 3625 - Project Management (3 Credit Hours)
MINF 3650 - Information Systems (3 Credit Hours)
MKTG 3700 - Principles of Marketing (3 Credit Hours)
MKTG 3730 - Professional Selling (3 Credit Hours)
QUAN 3600 - Fundamental Analytics for Business Decision Making (3 Credit Hours)

QUAN 4640 - Operations Management (3 Credit Hours)

Concentration: 18 Hours

A grade of C or better required in all courses listed below.

ACCT 3321 - Cost Accounting (3 Credit Hours)

ACCT 4390 - Financial Statement Analysis (3 Credit Hours)

FINC 3410 - Risk Management (3 Credit Hours)

FINC 4410 - Advanced Corporate Finance (3 Credit Hours)

QUAN 4630 - Business Analytics (3 Credit Hours)

Plus select one of the following:

FINC 3420 - Real Estate (3 Credit Hours)

FINC 4420 - Financial Markets and Institutions (3 Credit Hours)

MGMT 4510 - Negotiation (3 Credit Hours)

Free Electives: 6 Hours

As needed to complete the credit hours required for graduation. Select from any non-WELL courses.

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)

WELL XXXX - Activity Course (1 Credit Hour)

WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Business Administration with a Concentration in Digital Marketing

Program Overview

The Bachelor of Business Administration with a concentration in Digital Marketing provides a marketing foundation with a focus in digital marketing. This concentration emphasizes the application of digital marketing methods and technologies in the marketing field necessary to operate a business or hold leadership positions in business organizations.

augusta.edu/hull/programs

Program Accreditation

The Hull College of Business is accredited by the Association to Advance Collegiate Schools of Business (AACSB).

Program Contact

James Mayes

706-737-1560

CAPCenter@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

A grade of C or better required in all Field of Study, Business Core, and Concentration courses.

Program Information

Program Length: 4 Years
Academic Focus Area: Business [BUSI]
CIP Code: 52.0101
Program Code: 1BBAGB-BUAM
Major Code: BUAM
Concentration Code: DIGM

Degree Requirements

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

A grade of C or better required in all courses listed below.

ACCT 2101 - Principles of Accounting I (3 Credit Hours)
ACCT 2102 - Principles of Accounting II (3 Credit Hours)
BUSA 1105 - Introduction to Business and Professional Skills (3 Credit Hours)
ECON 2105 - Macroeconomics (3 Credit Hours)
ECON 2106 - Microeconomics (3 Credit Hours)
MINF 2650 - Principles of Data Management and Analysis (3 Credit Hours)

Required Lower-Division Course: 3 Hours

May be used in the Core Curriculum. Grade of C or better is required in this course.

MATH 1401 - Elementary Statistics (3 Credit Hours)

Business Core: 36 Hours

A grade of C or better is required in the courses listed below.

BUSA 4200 - International Business (3 Credit Hours)
BUSA 4960 - Undergraduate Internship (3 Credit Hours)
FINC 3400 - Corporate Finance (3 Credit Hours)
MGMT 2106 - Legal and Ethical Environment of Business (3 Credit Hours)
MGMT 3500 - Management Theory and Practice (3 Credit Hours)
MGMT 4580 - Strategic Management (3 Credit Hours)
MINF 3625 - Project Management (3 Credit Hours)
MINF 3650 - Information Systems (3 Credit Hours)
MKTG 3700 - Principles of Marketing (3 Credit Hours)
MKTG 3730 - Professional Selling (3 Credit Hours)
QUAN 3600 - Fundamental Analytics for Business Decision Making (3 Credit Hours)
QUAN 4640 - Operations Management (3 Credit Hours)

Concentration Courses: 18 Hours

A grade of C or better required in all courses listed below.

AIST 2220 - Introduction to Web Development (3 Credit Hours)
MKTG 3710 - Buyer Behavior (3 Credit Hours)
MKTG 3760 - Social Media Marketing (3 Credit Hours)
MKTG 3770 - Introduction to Digital Marketing (3 Credit Hours)
MKTG 4740 - Marketing Research (3 Credit Hours)
MKTG 4750 - Marketing Planning and Strategy (3 Credit Hours)

Free Electives: 6 Hours

As needed to complete the credit hours required for graduation. Select from any non-WELL courses.

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)

WELL XXXX - Activity Course (1 Credit Hour)

WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Business Administration with a Concentration in Finance

Program Overview

The Bachelor of Business Administration with a concentration in Finance is focused on the management of money in both the personal and business domains. The primary goal of finance is to provide a broad exposure to the many fields related to finance and prepare students for a variety of related careers. Our students learn about personal finance, corporate finance, real estate, investments, financial markets, and financial institutions.

augusta.edu/hull/programs

Program Accreditation

The Hull College of Business is accredited by the Association to Advance Collegiate Schools of Business (AACSB).

Program Contact

James Mayes

706-737-1560

CAPCenter@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

A grade of C or better required in all Field of Study, Business Core, and Concentration courses.

Program Information

Program Length: 4 Years

Academic Focus Area: Business [BUSI]

CIP Code: 52.0101

Program Code: 1BBAGB-BUAM

Major Code: BUAM

Concentration Code: FINA

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

A grade of C or better required in all courses listed below.

ACCT 2101 - Principles of Accounting I (3 Credit Hours)
ACCT 2102 - Principles of Accounting II (3 Credit Hours)
BUSA 1105 - Introduction to Business and Professional Skills (3 Credit Hours)
ECON 2105 - Macroeconomics (3 Credit Hours)
ECON 2106 - Microeconomics (3 Credit Hours)
MINF 2650 - Principles of Data Management and Analysis (3 Credit Hours)

Required Lower-Division Course: 3 Hours

May be used in the Core Curriculum. Grade of C or better is required in this course.

MATH 1401 - Elementary Statistics (3 Credit Hours)

Business Core: 36 Hours

A grade of C or better is required in the courses listed below.

BUSA 4200 - International Business (3 Credit Hours)
BUSA 4960 - Undergraduate Internship (3 Credit Hours)
FINC 3400 - Corporate Finance (3 Credit Hours)
MGMT 2106 - Legal and Ethical Environment of Business (3 Credit Hours)
MGMT 3500 - Management Theory and Practice (3 Credit Hours)
MGMT 4580 - Strategic Management (3 Credit Hours)
MINF 3625 - Project Management (3 Credit Hours)
MINF 3650 - Information Systems (3 Credit Hours)
MKTG 3700 - Principles of Marketing (3 Credit Hours)
MKTG 3730 - Professional Selling (3 Credit Hours)
QUAN 3600 - Fundamental Analytics for Business Decision Making (3 Credit Hours)
QUAN 4640 - Operations Management (3 Credit Hours)

Concentration Courses: 18 Hours

A grade of C or better required in all courses listed below.

FINC 3405 - Financial Planning (3 Credit Hours)
FINC 3410 - Risk Management (3 Credit Hours)
FINC 3420 - Real Estate (3 Credit Hours)
FINC 3421 - Investments (3 Credit Hours)
FINC 4410 - Advanced Corporate Finance (3 Credit Hours)
FINC 4420 - Financial Markets and Institutions (3 Credit Hours)

Free Electives: 6 Hours

As needed to complete the credit hours required for graduation. Select from any non-WELL courses.

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)
WELL XXXX - Activity Course (1 Credit Hour)
WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Business Administration with a Concentration in Financial Economics

Program Overview

The Bachelor of Business Administration with a concentration in Financial Economics stands at the intersection of finance and economics and focuses on how individuals, businesses, and governments make financial decisions, allocate resources, and manage risks in dynamic financial markets and economic environments. Our students learn about macroeconomics, microeconomics, asset pricing, portfolio theory, risk and return, capital market theory, financial markets, financial institutions, and economic modeling and forecasting.

augusta.edu/hull/programs

Program Accreditation

The Hull College of Business is accredited by the Association to Advance Collegiate Schools of Business (AACSB).

Program Contact

James Mayes
706-737-1560
CAPCenter@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

A grade of C or better required in all Field of Study, Business Core, and Concentration courses.

Program Information

Program Length: 4 Years
Academic Focus Area: Business [BUSI]
CIP Code: 52.0101
Program Code: 1BBAGB-BUAM
Major Code: BUAM
Concentration Code: FINE

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

A grade of C or better required in all courses listed below.
ACCT 2101 - Principles of Accounting I (3 Credit Hours)
ACCT 2102 - Principles of Accounting II (3 Credit Hours)
BUSA 1105 - Introduction to Business and Professional Skills (3 Credit Hours)
ECON 2105 - Macroeconomics (3 Credit Hours)
ECON 2106 - Microeconomics (3 Credit Hours)
MINF 2650 - Principles of Data Management and Analysis (3 Credit Hours)

Business Core: 36 Hours

A grade of C or better is required in the courses listed below.

BUSA 4200 - International Business (3 Credit Hours)

BUSA 4960 - Undergraduate Internship (3 Credit Hours)

FINC 3400 - Corporate Finance (3 Credit Hours)

MGMT 2106 - Legal and Ethical Environment of Business (3 Credit Hours)

MGMT 3500 - Management Theory and Practice (3 Credit Hours)

MGMT 4580 - Strategic Management (3 Credit Hours)

MINF 3625 - Project Management (3 Credit Hours)

MINF 3650 - Information Systems (3 Credit Hours)

MKTG 3700 - Principles of Marketing (3 Credit Hours)

MKTG 3730 - Professional Selling (3 Credit Hours)

QUAN 3600 - Fundamental Analytics for Business Decision Making (3 Credit Hours)

QUAN 4640 - Operations Management (3 Credit Hours)

Concentration Courses: 18 Hours

ECON 3105 - Intermediate Macroeconomics (3 Credit Hours)

ECON 3106 - Intermediate Microeconomics (3 Credit Hours)

ECON 4110 - Economic Modeling and Forecasting (3 Credit Hours)

FINC 3421 - Investments (3 Credit Hours)

FINC 4410 - Advanced Corporate Finance (3 Credit Hours)

Plus select one of the following:

FINC 4420 - Financial Markets and Institutions (3 Credit Hours)

FINC 4430 - Advanced Investments (3 Credit Hours)

Free Electives: 6 Hours

As needed to complete the credit hours required for graduation. Select from any non-WELL courses.

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)

WELL XXXX - Activity Course (1 Credit Hour)

WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Business Administration with a concentration in Financial Planning and Counseling

Program Overview

The Bachelor of Business Administration with a concentration in Financial Counseling and Planning is focused on preparing students to assist individuals to develop a comprehensive view of their finances, manage their finances effectively, achieve their financial goals, and improve their overall financial well-being. Our students learn about budgeting, debt management, savings and investing, retirement planning, estate planning, tax planning, and insurance.

Program Accreditation

The Hull College of Business is accredited by the Association to Advance Collegiate Schools of Business (AACSB).

Program Contact

James Mayes
706-737-1560
CAPCenter@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

A grade of C or better required in all Field of Study, Business Core, and Concentration courses.

Program Information

Program Length: 4 Years
Academic Focus Area: Business [BUSI]
CIP Code: 52.0101
Program Code: 1BBAGB-BUAM
Major Code: BUAM
Concentration Code: FINP

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

A grade of C or better required in all courses listed below.

ACCT 2101 - Principles of Accounting I (3 Credit Hours)
ACCT 2102 - Principles of Accounting II (3 Credit Hours)
BUSA 1105 - Introduction to Business and Professional Skills (3 Credit Hours)
ECON 2105 - Macroeconomics (3 Credit Hours)
ECON 2106 - Microeconomics (3 Credit Hours)
MINF 2650 - Principles of Data Management and Analysis (3 Credit Hours)

Business Core: 36 Hours

A grade of C or better is required in the courses listed below.

BUSA 4200 - International Business (3 Credit Hours)
BUSA 4960 - Undergraduate Internship (3 Credit Hours)
FINC 3400 - Corporate Finance (3 Credit Hours)
MGMT 2106 - Legal and Ethical Environment of Business (3 Credit Hours)
MGMT 3500 - Management Theory and Practice (3 Credit Hours)
MGMT 4580 - Strategic Management (3 Credit Hours)
MINF 3625 - Project Management (3 Credit Hours)
MINF 3650 - Information Systems (3 Credit Hours)
MKTG 3700 - Principles of Marketing (3 Credit Hours)
MKTG 3730 - Professional Selling (3 Credit Hours)
QUAN 3600 - Fundamental Analytics for Business Decision Making (3 Credit Hours)
QUAN 4640 - Operations Management (3 Credit Hours)

Concentration: 18 Hours

ACCT 3331 - Federal Income Taxation (3 Credit Hours)
FINC 3405 - Financial Planning (3 Credit Hours)
FINC 3410 - Risk Management (3 Credit Hours)
FINC 3421 - Investments (3 Credit Hours)

FINC 4460 - Employee Benefits & Retirement Plans (3 Credit Hours)

FINC 4470 - Estate Planning (3 Credit Hours)

Free Electives: 6 Hours

As needed to complete the credit hours required for graduation. Select from any non-WELL courses.

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)

WELL XXXX - Activity Course (1 Credit Hour)

WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Business Administration with Concentration in Healthcare Management

Program Overview

The Bachelor of Business Administration with a concentration in Healthcare Management is designed to help students develop the skills needed to manage the human and fiscal resources of healthcare facilities. Students will develop decision-making skills to plan and coordinate healthcare department activities, communication skills to work with diverse interest and policy groups, and critical-thinking skills to comply with government regulations, adhere to health care standards, and implement strategic policy decisions in a complex and constantly changing environment.

augusta.edu/hull/programs

Program Accreditation

The Hull College of Business is accredited by the Association to Advance Collegiate Schools of Business (AACSB).

Program Contact

James Mayes

706-737-1560

CAPCenter@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

A grade of C or better required in all Field of Study, Business Core, and Concentration courses.

Program Information

Program Length: 4 Years

Academic Focus Area: Business [BUSI]

CIP Code: 52.0101

Program Code: 1BBAGB-BUAM

Major Code: BUAM

Concentration Code: HLCM

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

A grade of C or better required in all courses listed below.

ACCT 2101 - Principles of Accounting I (3 Credit Hours)

ACCT 2102 - Principles of Accounting II (3 Credit Hours)

BUSA 1105 - Introduction to Business and Professional Skills (3 Credit Hours)

ECON 2105 - Macroeconomics (3 Credit Hours)

ECON 2106 - Microeconomics (3 Credit Hours)

MINF 2650 - Principles of Data Management and Analysis (3 Credit Hours)

Required Lower-Division Course: 3 Hours

May be used in the Core Curriculum. Grade of C or better is required in this course.

MATH 1401 - Elementary Statistics (3 Credit Hours)

Business Core: 36 Hours

A grade of C or better is required in the courses listed below.

BUSA 4200 - International Business (3 Credit Hours)

BUSA 4960 - Undergraduate Internship (3 Credit Hours)

FINC 3400 - Corporate Finance (3 Credit Hours)

MGMT 2106 - Legal and Ethical Environment of Business (3 Credit Hours)

MGMT 3500 - Management Theory and Practice (3 Credit Hours)

MGMT 4580 - Strategic Management (3 Credit Hours)

MINF 3625 - Project Management (3 Credit Hours)

MINF 3650 - Information Systems (3 Credit Hours)

MKTG 3700 - Principles of Marketing (3 Credit Hours)

MKTG 3730 - Professional Selling (3 Credit Hours)

QUAN 3600 - Fundamental Analytics for Business Decision Making (3 Credit Hours)

QUAN 4640 - Operations Management (3 Credit Hours)

Concentration Courses: 18 Hours

A grade of C or better required in all courses listed below.

ECON 3130 - Healthcare Economics and Finance (3 Credit Hours)

MGMT 3530 - Legal and Policy Environment of Healthcare (3 Credit Hours)

MGMT 4500 - Human Resource Management (3 Credit Hours)

MGMT 4530 - Healthcare Management (3 Credit Hours)

MKTG 4720 - Services Marketing (3 Credit Hours)

QUAN 4660 - Healthcare Operations and Process Improvement (3 Credit Hours)

Free Electives: 6 Hours

As needed to complete the credit hours required for graduation. Select from any non-WELL courses.

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)

WELL XXXX - Activity Course (1 Credit Hour)

WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Business Administration with a Concentration in Human Resources Management

Program Overview

The Bachelor of Business Administration with a concentration in Human Resources Management is focused on recruiting, developing, retaining, and effectively utilizing employees to achieve the organization's goals and objectives and ensuring that an organization's workforce is aligned with its strategic direction. Our students learn about managing human capital, organizational behavior, ethics, leadership, employee benefit plans, and negotiations.

Program Accreditation

The Hull College of Business is accredited by the Association to Advance Collegiate Schools of Business (AACSB).

Program Contact

James Mayes
706-737-1560
CAPCenter@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

A grade of C or better required in all Field of Study, Business Core, and Concentration courses.

Program Information

Program Length: 4 Years
Academic Focus Area: Business [BUSI]
CIP Code: 52.0101
Program Code: 1BBAGB-BUAM
Major Code: BUAM
Concentration Code: HRMG

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

A grade of C or better required in all courses listed below.
ACCT 2101 - Principles of Accounting I (3 Credit Hours)
ACCT 2102 - Principles of Accounting II (3 Credit Hours)
BUSA 1105 - Introduction to Business and Professional Skills (3 Credit Hours)
ECON 2105 - Macroeconomics (3 Credit Hours)
ECON 2106 - Microeconomics (3 Credit Hours)
MINF 2650 - Principles of Data Management and Analysis (3 Credit Hours)

Business Core: 36 Hours

A grade of C or better is required in the courses listed below.
BUSA 4200 - International Business (3 Credit Hours)
BUSA 4960 - Undergraduate Internship (3 Credit Hours)
FINC 3400 - Corporate Finance (3 Credit Hours)

MGMT 2106 - Legal and Ethical Environment of Business (3 Credit Hours)
MGMT 3500 - Management Theory and Practice (3 Credit Hours)
MGMT 4580 - Strategic Management (3 Credit Hours)
MINF 3625 - Project Management (3 Credit Hours)
MINF 3650 - Information Systems (3 Credit Hours)
MKTG 3700 - Principles of Marketing (3 Credit Hours)
MKTG 3730 - Professional Selling (3 Credit Hours)
QUAN 3600 - Fundamental Analytics for Business Decision Making (3 Credit Hours)
QUAN 4640 - Operations Management (3 Credit Hours)

Concentration Courses: 18 Hours

FINC 4460 - Employee Benefits & Retirement Plans (3 Credit Hours)
MGMT 3510 - Organizational Behavior (3 Credit Hours)
MGMT 3540 - Leadership and Ethics in Management (3 Credit Hours)
MGMT 4500 - Human Resource Management (3 Credit Hours)
MGMT 4510 - Negotiation (3 Credit Hours)
MGMT 4560 - Advanced Topics in Human Resources (3 Credit Hours)

Free Electives: 6 Hours

As needed to complete the credit hours required for graduation. Select from any non-WELL courses.

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)
WELL XXXX - Activity Course (1 Credit Hour)
WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Business Administration with a Concentration in Investments

Program Overview

The Bachelor of Business Administration with a Concentration in Investments is focused on preparing students to assist individuals and businesses analyze various assets or financial instruments, allocate their funds appropriately, and optimize their portfolio given factors including risk tolerance, time horizon and investment objectives. Our students learn about quantifying risk and return, portfolio management, capital market theory, market efficiency, valuation, and financial assets including stocks, bonds, mutual funds, exchange-traded funds, commodities, and derivatives.

Program Accreditation

The Hull College of Business is accredited by the Association to Advance Collegiate Schools of Business (AACSB).

Program Contact

James Mayes
706-737-1560
CAPCenter@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

A grade of C or better required in all Field of Study, Business Core, and Concentration courses.

Program Information

Program Length: 4 Years

Academic Focus Area: Business [BUSI]

CIP Code: 52.0101

Program Code: 1BBAGB-BUAM

Major Code: BUAM

Concentration Code: INVT

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

A grade of C or better required in all courses listed below.

ACCT 2101 - Principles of Accounting I (3 Credit Hours)

ACCT 2102 - Principles of Accounting II (3 Credit Hours)

BUSA 1105 - Introduction to Business and Professional Skills (3 Credit Hours)

ECON 2105 - Macroeconomics (3 Credit Hours)

ECON 2106 - Microeconomics (3 Credit Hours)

MINF 2650 - Principles of Data Management and Analysis (3 Credit Hours)

Business Core: 36 Hours

A grade of C or better is required in the courses listed below.

BUSA 4200 - International Business (3 Credit Hours)

BUSA 4960 - Undergraduate Internship (3 Credit Hours)

FINC 3400 - Corporate Finance (3 Credit Hours)

MGMT 2106 - Legal and Ethical Environment of Business (3 Credit Hours)

MGMT 3500 - Management Theory and Practice (3 Credit Hours)

MGMT 4580 - Strategic Management (3 Credit Hours)

MINF 3625 - Project Management (3 Credit Hours)

MINF 3650 - Information Systems (3 Credit Hours)

MKTG 3700 - Principles of Marketing (3 Credit Hours)

MKTG 3730 - Professional Selling (3 Credit Hours)

QUAN 3600 - Fundamental Analytics for Business Decision Making (3 Credit Hours)

QUAN 4640 - Operations Management (3 Credit Hours)

Concentration Courses: 18 Hours

FINC 3420 - Real Estate (3 Credit Hours)

FINC 3421 - Investments (3 Credit Hours)

FINC 4420 - Financial Markets and Institutions (3 Credit Hours)

FINC 4430 - Advanced Investments (3 Credit Hours)

FINC 4460 - Employee Benefits & Retirement Plans (3 Credit Hours)

Plus one of the following:

ECON 4110 - Economic Modeling and Forecasting (3 Credit Hours)

MGMT 4510 - Negotiation (3 Credit Hours)

QUAN 4630 - Business Analytics (3 Credit Hours)

Free Electives: 6 Hours

As needed to complete the credit hours required for graduation. Select from any non-WELL courses.

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)

WELL XXXX - Activity Course (1 Credit Hour)

WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Business Administration with a Concentration in Management

Program Overview

The Bachelor of Business Administration with a concentration in Management is focused on the process of planning, organizing, and controlling resources to achieve organizational goals and objectives. Management prepares students to coordinate people and resources efficiently to accomplish an organization's mission and vision. Our students learn about organizational behavior, human resource management, small business management, entrepreneurship, communications, and negotiations.

augusta.edu/hull/programs

Program Accreditation

The Hull College of Business is accredited by the Association to Advance Collegiate Schools of Business (AACSB).

Program Contact

James Mayes

706-737-1560

CAPCenter@augusta.edu

Admissions Requirements

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

A grade of C or better required in all Field of Study, Business Core, and Concentration courses.

Program Information

Program Length: 4 years

Academic Focus Area: Business [BUSI]

CIP Code: 52.0101

Program Code: 1BBAGB-BUAM

Major Code: BUAM

Concentration Code: MNGT

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

A grade of C or better required in all courses listed below.

ACCT 2101 - Principles of Accounting I (3 Credit Hours)
ACCT 2102 - Principles of Accounting II (3 Credit Hours)
BUSA 1105 - Introduction to Business and Professional Skills (3 Credit Hours)
ECON 2105 - Macroeconomics (3 Credit Hours)
ECON 2106 - Microeconomics (3 Credit Hours)
MINF 2650 - Principles of Data Management and Analysis (3 Credit Hours)

Business Core: 36 Hours

A grade of C or better is required in the courses listed below.

BUSA 4200 - International Business (3 Credit Hours)
BUSA 4960 - Undergraduate Internship (3 Credit Hours)
FINC 3400 - Corporate Finance (3 Credit Hours)
MGMT 2106 - Legal and Ethical Environment of Business (3 Credit Hours)
MGMT 3500 - Management Theory and Practice (3 Credit Hours)
MGMT 4580 - Strategic Management (3 Credit Hours)
MINF 3625 - Project Management (3 Credit Hours)
MINF 3650 - Information Systems (3 Credit Hours)
MKTG 3700 - Principles of Marketing (3 Credit Hours)
MKTG 3730 - Professional Selling (3 Credit Hours)
QUAN 3600 - Fundamental Analytics for Business Decision Making (3 Credit Hours)
QUAN 4640 - Operations Management (3 Credit Hours)

Concentration Courses: 18 Hours

COMM 3100 - Communications for Professionals (3 Credit Hours)
MGMT 3510 - Organizational Behavior (3 Credit Hours)
MGMT 3540 - Leadership and Ethics in Management (3 Credit Hours)
MGMT 4500 - Human Resource Management (3 Credit Hours)
MGMT 4510 - Negotiation (3 Credit Hours)
MGMT 4550 - Entrepreneurship and Small Business Management (3 Credit Hours)

Free Electives: 6 Hours

As needed to complete the credit hours required for graduation. Select from any non-WELL courses.

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)
WELL XXXX - Activity Course (1 Credit Hour)
WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Business Administration with a Concentration in Marketing

Program Overview

The Bachelor of Business Administration with a concentration in Marketing prepares students for a dynamic field that stands as a cornerstone of success for businesses across industries. Through this program, students establish a solid foundation in marketing planning, strategic thinking, understanding consumer behavior, conducting effective marketing research, supply chain management, hospitality marketing, and effectively connecting products and services with the ever-evolving marketplace. This comprehensive approach empowers students to acquire practical marketing expertise that is directly applicable to a broad spectrum of industries, thereby preparing students for success in the dynamic business world.

augusta.edu/hull/programs

Program Accreditation

The Hull College of Business is accredited by the Association to Advance Collegiate Schools of Business (AACSB).

Program Contact

James Mayes

706-737-1560

CAPCenter@augusta.edu

Admissions Requirements

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

A grade of C or better required in all Field of Study, Business Core, and Concentration courses.

Program Information

Program Length: 4 Years

Academic Focus Area: Business [BUSI]

CIP Code: 52.0101

Program Code: 1BBAGB-BUAM

Major Code: BUAM

Concentration Code: MAKI

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

A grade of C or better required in all courses listed below.

ACCT 2101 - Principles of Accounting I (3 Credit Hours)

ACCT 2102 - Principles of Accounting II (3 Credit Hours)

BUSA 1105 - Introduction to Business and Professional Skills (3 Credit Hours)

ECON 2105 - Macroeconomics (3 Credit Hours)

ECON 2106 - Microeconomics (3 Credit Hours)

MINF 2650 - Principles of Data Management and Analysis (3 Credit Hours)

Business Core: 36 Hours

A grade of C or better is required in the courses listed below.

BUSA 4200 - International Business (3 Credit Hours)
 BUSA 4960 - Undergraduate Internship (3 Credit Hours)
 FINC 3400 - Corporate Finance (3 Credit Hours)
 MGMT 2106 - Legal and Ethical Environment of Business (3 Credit Hours)
 MGMT 3500 - Management Theory and Practice (3 Credit Hours)
 MGMT 4580 - Strategic Management (3 Credit Hours)
 MINF 3625 - Project Management (3 Credit Hours)
 MINF 3650 - Information Systems (3 Credit Hours)
 MKTG 3700 - Principles of Marketing (3 Credit Hours)
 MKTG 3730 - Professional Selling (3 Credit Hours)
 QUAN 3600 - Fundamental Analytics for Business Decision Making (3 Credit Hours)
 QUAN 4640 - Operations Management (3 Credit Hours)

Concentration: 18 Hours

MKTG 3710 - Buyer Behavior (3 Credit Hours)
 MKTG 3740 - Introduction to Hospitality (3 Credit Hours)
 MKTG 4720 - Services Marketing (3 Credit Hours)
 MKTG 4740 - Marketing Research (3 Credit Hours)
 MKTG 4750 - Marketing Planning and Strategy (3 Credit Hours)
 QUAN 4690 - Supply Chain Management (3 Credit Hours)

Free Electives: 6 Hours**Wellness Graduation Requirement: 4 Hours**

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)
 WELL XXXX - Activity Course (1 Credit Hour)
 WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Business Administration with a Concentration in Professional Sales

Program Overview

The Bachelor of Business Administration (BBA) with a concentration in Professional Sales is a specialized undergraduate program that seamlessly integrates core business coursework with a distinct emphasis on honing skills and knowledge related to business sales and sales management. Professional Sales is focused upon building relationships, understanding the unique needs of individuals and businesses, and providing tailored solutions to those needs. Students will learn about buyer behavior, market research, market planning and strategy, managing sales teams, managing human resources, and negotiations. Graduates with this concentration will emerge well-prepared for the dynamic and ever evolving landscape of professions in sales, marketing, and their affiliated sectors.

augusta.edu/hull/programs

Program Accreditation

The Hull College of Business is accredited by the Association to Advance Collegiate Schools of Business (AACSB).

Program Contact

James Mayes
706-737-1560
CAPCenter@augusta.edu

Admissions Requirements

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

A grade of C or better required in all Field of Study, Business Core, and Concentration courses.

Program Information

Program Length: 4 Years
Academic Focus Area: Business [BUSI]
CIP Code: 52.0101
Program Code: 1BBAGB-BUAM
Major Code: BUAM
Concentration Code: PRFS

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

A grade of C or better required in all courses listed below.

ACCT 2101 - Principles of Accounting I (3 Credit Hours)
ACCT 2102 - Principles of Accounting II (3 Credit Hours)
BUSA 1105 - Introduction to Business and Professional Skills (3 Credit Hours)
ECON 2105 - Macroeconomics (3 Credit Hours)
ECON 2106 - Microeconomics (3 Credit Hours)
MINF 2650 - Principles of Data Management and Analysis (3 Credit Hours)

Business Core: 36 Hours

A grade of C or better is required in the courses listed below.

BUSA 4200 - International Business (3 Credit Hours)
BUSA 4960 - Undergraduate Internship (3 Credit Hours)
FINC 3400 - Corporate Finance (3 Credit Hours)
MGMT 2106 - Legal and Ethical Environment of Business (3 Credit Hours)
MGMT 3500 - Management Theory and Practice (3 Credit Hours)
MGMT 4580 - Strategic Management (3 Credit Hours)
MINF 3625 - Project Management (3 Credit Hours)
MINF 3650 - Information Systems (3 Credit Hours)
MKTG 3700 - Principles of Marketing (3 Credit Hours)
MKTG 3730 - Professional Selling (3 Credit Hours)
QUAN 3600 - Fundamental Analytics for Business Decision Making (3 Credit Hours)
QUAN 4640 - Operations Management (3 Credit Hours)

Concentration Courses: 18 Hours

MGMT 4500 - Human Resource Management (3 Credit Hours)
MGMT 4510 - Negotiation (3 Credit Hours)
MKTG 3710 - Buyer Behavior (3 Credit Hours)
MKTG 4740 - Marketing Research (3 Credit Hours)

MKTG 4750 - Marketing Planning and Strategy (3 Credit Hours)

QUAN 4690 - Supply Chain Management (3 Credit Hours)

Free Electives: 6 Hours

As needed to complete the credit hours required for graduation. Select from any non-WELL courses.

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)

WELL XXXX - Activity Course (1 Credit Hour)

WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Business Administration with a Concentration in Supply Chain Management

Program Overview

The Bachelor of Business Administration with a concentration in Supply Chain Management is focused on planning, designing, executing, controlling, and monitoring the flow of goods, services, and information. The goal of supply chain management is to optimize the overall efficiency and effectiveness of the supply chain network, while delivering the right products at the right place and the right time to meet customer demand. Our students learn about planning, sourcing, procurement, production, distribution, quality management, technology, and data analysis to support decision-making.

augusta.edu/hull/programs

Program Accreditation

The Hull College of Business is accredited by the Association to Advance Collegiate Schools of Business (AACSB).

Program Contact

James Mayes

706-737-1560

CAPCenter@augusta.edu

Admissions Requirements

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

A grade of C or better required in all Field of Study, Business Core, and Concentration courses.

Program Information

Program Length: 4 Years

Academic Focus Area: Business [BUSI]

CIP Code: 52.0101

Program Code: 1BBAGB-BUAM

Major Code: BUAM

Concentration Code: SCMG

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

A grade of C or better required in all courses listed below.

ACCT 2101 - Principles of Accounting I (3 Credit Hours)

ACCT 2102 - Principles of Accounting II (3 Credit Hours)

BUSA 1105 - Introduction to Business and Professional Skills (3 Credit Hours)

ECON 2105 - Macroeconomics (3 Credit Hours)

ECON 2106 - Microeconomics (3 Credit Hours)

MINF 2650 - Principles of Data Management and Analysis (3 Credit Hours)

Business Core: 36 Hours

A grade of C or better is required in the courses listed below.

BUSA 4200 - International Business (3 Credit Hours)

BUSA 4960 - Undergraduate Internship (3 Credit Hours)

FINC 3400 - Corporate Finance (3 Credit Hours)

MGMT 2106 - Legal and Ethical Environment of Business (3 Credit Hours)

MGMT 3500 - Management Theory and Practice (3 Credit Hours)

MGMT 4580 - Strategic Management (3 Credit Hours)

MINF 3625 - Project Management (3 Credit Hours)

MINF 3650 - Information Systems (3 Credit Hours)

MKTG 3700 - Principles of Marketing (3 Credit Hours)

MKTG 3730 - Professional Selling (3 Credit Hours)

QUAN 3600 - Fundamental Analytics for Business Decision Making (3 Credit Hours)

QUAN 4640 - Operations Management (3 Credit Hours)

Concentration Courses: 18 Hours

MGMT 3510 - Organizational Behavior (3 Credit Hours)

QUAN 4630 - Business Analytics (3 Credit Hours)

QUAN 4690 - Supply Chain Management (3 Credit Hours)

Plus select three of the following:

MGMT 4500 - Human Resource Management (3 Credit Hours)

MINF 4625 - Advanced Project Management (3 Credit Hours)

QUAN 4650 - Supplier Relationship Management (3 Credit Hours)

QUAN 4670 - Logistics (3 Credit Hours)

QUAN 4680 - Quality Management (3 Credit Hours)

Free Electives: 6 Hours

As needed to complete the credit hours required for graduation. Select from any non-WELL courses.

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)

WELL XXXX - Activity Course (1 Credit Hour)

WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Business Administration with a Major in Accounting

Program Overview

The accounting program provides significant exposure to courses in business, finance, and management, and is designed to give students an understanding of the theory of accounting as it is used in our society. Bachelor level students are given a broad background of accounting classes to provide the basic tools to pursue an accounting career. Should a student want to specialize in specific areas, he or she would need to pursue a Master of Accountancy program that allows specialization in audit, taxation, or systems.

augusta.edu/hull/programs

Program Accreditation

The Hull College of Business is accredited by the Association to Advance Collegiate Schools of Business (AACSB).

Program Contact

James Mayes
706-737-1560
CAPCenter@augusta.edu

Admissions Requirements

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

A grade of C or better required in all Field of Study, Business Core, and Concentration courses.

Program Information

Program Length: 4 Years
Academic Focus Area: Business [BUSI]
CIP Code: 52.0301
Program Code: 1BBA-ACCT
Major Code: ACCT

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

A grade of B or better is required in ACCT 2101 and ACCT 2102. A grade of C or better required in all other courses listed below.

ACCT 2101 - Principles of Accounting I (3 Credit Hours)
ACCT 2102 - Principles of Accounting II (3 Credit Hours)
BUSA 1105 - Introduction to Business and Professional Skills (3 Credit Hours)
ECON 2105 - Macroeconomics (3 Credit Hours)
ECON 2106 - Microeconomics (3 Credit Hours)
MINF 2650 - Principles of Data Management and Analysis (3 Credit Hours)

Required Lower-Division Course: 3 Hours

May be used in the Core Curriculum. Grade of C or better is required in this course.
MATH 1401 - Elementary Statistics (3 Credit Hours)

Business Core: 21 Hours

A grade of C or better required in all courses listed below.

BUSA 4200 - International Business (3 Credit Hours)
FINC 3400 - Corporate Finance (3 Credit Hours)
MGMT 2106 - Legal and Ethical Environment of Business (3 Credit Hours)
MGMT 3500 - Management Theory and Practice (3 Credit Hours)
MGMT 4580 - Strategic Management (3 Credit Hours)
MKTG 3700 - Principles of Marketing (3 Credit Hours)
QUAN 3600 - Fundamental Analytics for Business Decision Making (3 Credit Hours)

Major Courses: 30 Hours

A grade of C or better required in all courses listed below.

ACCT 3311 - Intermediate Accounting I (3 Credit Hours)
ACCT 3312 - Intermediate Accounting II (3 Credit Hours)
ACCT 3313 - Intermediate Accounting III (3 Credit Hours)
ACCT 3321 - Cost Accounting (3 Credit Hours)
ACCT 3331 - Federal Income Taxation (3 Credit Hours)
ACCT 4350 - Accounting Information Systems (3 Credit Hours)
ACCT 4360 - Auditing (3 Credit Hours)
ACCT 4960 - Accounting Internship (3 Credit Hours)

Plus select from two of the following:

ACCT 3XXX – Accounting Elective (3 Credit Hours)
ACCT 4XXX – Accounting Elective (3 Credit Hours)

Major Electives: 3 Hours

Select from one of the following courses. A grade C or better is required in all Major Elective courses.

ACCT 3XXX-4XXX - Accounting Elective (3 Credit Hours)
BUSA 3XXX-4XXX - Business Administration Elective (3 Credit Hours)
ECON 3XXX-4XXX - Economics Elective (3 Credit Hours)
FINC 3XXX-4XXX - Finance Elective (3 Credit Hours)
MGMT 3XXX-4XXX - Management Elective (3 Credit Hours)
MINF 3XXX-4XXX - Information Management Elective (3 Credit Hours)
MKTG 3XXX-4XXX - Marketing Elective (3 Credit Hours)
QUAN 3XXX-4XXX - Management Science Elective (3 Credit Hours)

Free Electives: 6 Hours

As needed to complete the credit hours required for graduation. Select from any non-WELL courses.

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)
WELL XXXX - Activity Course (1 Credit Hour)
WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Fine Arts

Bachelor of Fine Arts with a Major in Art

Program Overview

The Bachelor of Fine Arts in Art is a studio-intensive concentration giving students an exceptional range of creative skills to visually express ideas through fine arts media. These include abstract problem-solving, critical thinking, prototyping, and professional practice skills related to visual arts. This interdisciplinary concentration prepares students for professional careers in fine arts and represents a richly diverse ecosystem of philosophies and practices.

augusta.edu/pamplin/art

Program Contact

Scott Thorp
706-667-4888
auart@augusta.edu

Program Accreditation

The art and design unit is accredited by the National Association of Schools of Art and Design.

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

Portfolio Review

All art majors are required to submit their work for a review by all full-time Department of Art and Design faculty after the completion of the following courses: ART 1211, ART 1520, ART 1530, and 12 additional hours of studio art courses (21 hours total). Portfolio reviews are scheduled at the end of the fall and spring semesters. Passing the portfolio review is a prerequisite for ART 4999 which is a graduation requirement. Portfolio review occurs on the day after the last day of class of the fall and spring semesters. Transfer students must meet this requirement with the provision that a minimum of three hours be done while in residency at the university and that the transfer courses for the remaining 18 hrs. be equivalent to the required courses listed above. Each student should submit a minimum of 15 studio works. These are to include both two-dimensional and three-dimensional works. See the Department of Art and Design for specific portfolio requirements.

Professional Practice

The BFA degree candidate is required to pass ART 4999 to graduate. The work for this exhibition must be accepted and judged by a full-time Department of Art and Design faculty mentor and ART 4999 instructor as demonstrating significant quality and quantity to warrant the earning of the BFA degree.

Program Information

Program Length: 4 Years
Academic Focus Area: Arts and Humanities [HUAR]
CIP Code: 50.0706
Program Code: 1BFA-ART

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

ART 1211 - Drawing I: An Introduction to Techniques and Methods of Expression (3 Credit Hours)
ART 1520 - Two-Dimensional Design (3 Credit Hours)
ART 1530 - Three-Dimensional Design (3 Credit Hours)
ART 2611 - Art History I Learning the A's and B's of Enacting Art History (3 Credit Hours)
ART 2612 - Art History II: Charting the Historical Emergence of Modernism (3 Credit Hours)
ART 2700 - Color Experience and Theory (3 Credit Hours)

Major Concentration: 60 Hours

ART 3212 - Drawing II (3 Credit Hours)
ART 3213 - Drawing III: Figure Drawing (3 Credit Hours)
ART 3221 - Painting I for Art Majors and Art Minors (3 Credit Hours)
ART 3222 - Painting II (3 Credit Hours)
ART 3231 - Photography I for Art Majors and Art Minors (3 Credit Hours)
ART 3251 - Printmaking I (3 Credit Hours)
ART 3401 - Ceramics I for Art Majors and Art Minors (3 Credit Hours)
ART 3721 - Aesthetics and Philosophy of Art: Deepening the Engagement with Art (3 Credit Hours)
ART 4341 - Sculpture: Mixed Media I (3 Credit Hours)

Choose one: 3 Hours

ART 3311 - Sculpture: Carving I (3 Credit Hours)
ART 3331 - Sculpture: Figure Modeling I (3 Credit Hours)
ART 4321 - Sculpture: Casting I (3 Credit Hours)

Choose one: 3 Hours

ART 3232 - Photography II (3 Credit Hours)
ART 4261 - Printmaking II (3 Credit Hours)

Choose two: 6 Hours

ART 3311 - Sculpture: Carving I (3 Credit Hours)
ART 3402 - Ceramics II (3 Credit Hours)
ART 3403 - Ceramics III (3 Credit Hours)
ART 4321 - Sculpture: Casting I (3 Credit Hours)
ART 4331 - Sculpture: Installation I (3 Credit Hours)
ART 4341 - Sculpture: Mixed Media I (3 Credit Hours)

Art History: 6 Hours

Select two of the following:

ART 4620 - Art Since World War II: Exploring Modernism, Neo-Avantgardism, and Beyond (3 Credit Hours)
ART 4640 - Raphael (3 Credit Hours)
ART 4650 - Early Renaissance Italian Painting: Pre-History of Contemporary Visual Culture (3 Credit Hours)
SABR 4930 - Studies Abroad (1 to 12 Credit Hours) * with Art History instructor approval

Studio Art Electives: 12 Hours

Any 3000/4000 level Studio course
Any 3000/4000 level Studio course
Any 3000/4000 level Studio course
Any 3000/4000 level Studio course

Professional Practice: 3 Hours

ART 4999 - Professional Practice (BFA) (3 Credit Hours)

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)

WELL XXXX - Activity Course (1 Credit Hour)

WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Fine Arts with a Major in Art and a Concentration in Animation

Program Overview

The Animation concentration prepares students as capable media professionals competing in a broad entertainment and visualization market. Graduates of the Animation concentration acquire industry standard proficiencies in media literacy, aesthetic development, critical thinking, collaboration, technology adaptability, and creative leadership. Students will utilize cutting-edge techniques to create strong portfolios that include a range of creative skillsets that explore motion, performance, aesthetic appeal, visual communication, and expression. Students are exposed to contemporary professional challenges that include 3D modeling, aesthetic development, preproduction, 2D and 3D animation, technical animation, and visual storytelling. Students will also acquire proficiency in industry standard tools in the game, film, and visualization markets such as the Adobe Creative Cloud, Autodesk Maya, Substance, and ZBrush.

augusta.edu/pamplin/art

Program Contact

Scott Thorp

706-667-4888

auart@augusta.edu

Program Accreditation

The art and design unit is accredited by the National Association of Schools of Art and Design.

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at

augusta.edu/admissions.

Progression and Graduation Requirements**Portfolio Review**

All art majors are required to submit their work for a review by all full-time Department of Art and Design faculty after the completion of the following courses: ART 1211, ART 1520, ART 1530, and 12 additional hours of studio art courses (21 hours total). Portfolio Reviews are scheduled at the end of the fall and spring semesters. Passing the Portfolio Review is a prerequisite for ART 4999 which is a graduation requirement. Portfolio Review occurs on the day after the last day of class of the fall and spring semesters. Transfer students must meet this requirement with the provision that a minimum of three hours be done while in residency at the university and that the transfer courses for the remaining 18 hours be equivalent to the required courses listed above. Each student should submit a minimum of 15

studio works. These are to include both two-dimensional and three-dimensional works. See the Department of Art and Design for specific Portfolio requirements.

Professional Practice

The BFA degree candidate is required to pass ART 4999 to graduate. The work for this exhibition must be accepted and judged by a full-time Department of Art and Design faculty mentor and ART 4999 instructor as demonstrating significant quality and quantity to warrant the earning of the BFA degree.

Program Information

Program Length: 4 Years

Academic Focus Area: Arts and Humanities [HUAR]

CIP Code: 50.0706

Program Code: 1BFA-ART

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

ART 1211 - Drawing I: An Introduction to Techniques and Methods of Expression (3 Credit Hours)

ART 1520 - Two-Dimensional Design (3 Credit Hours)

ART 1530 - Three-Dimensional Design (3 Credit Hours)

ART 2611 - Art History I Learning the A's and B's of Enacting Art History (3 Credit Hours)

ART 2612 - Art History II: Charting the Historical Emergence of Modernism (3 Credit Hours)

ART 2700 - Color Experience and Theory (3 Credit Hours)

Major Concentration: 60 Hours

ART 3565 - Motion Graphics: Moving Imagery and Type Motion (3 Credit Hours)

ART 3600 - Animation History and Fundamentals (3 Credit Hours)

ART 3605 - 2D Animation (3 Credit Hours)

ART 3610 - Previsualization (3 Credit Hours)

ART 3615 - 3D Modeling (3 Credit Hours)

ART 3620 - 3D Animation (3 Credit Hours)

ART 3625 - Technical Animation and Rigging (3 Credit Hours)

ART 3721 - Aesthetics and Philosophy of Art: Deepening the Engagement with Art (3 Credit Hours)

ART 4600 - Production Animation I (3 Credit Hours)

ART 4605 - Look Development (3 Credit Hours)

ART 4610 - Animation Studio (3 Credit Hours)

ART 4615 - Production Animation II (3 Credit Hours)

COMM 2010 - Media Literacy (3 Credit Hours)

2D Studio: 3 Hours

Choose one course from the following:

ART 3212 - Drawing II (3 Credit Hours)

ART 3213 - Drawing III: Figure Drawing (3 Credit Hours)

ART 3221 - Painting I for Art Majors and Art Minors (3 Credit Hours)

ART 3251 - Printmaking I (3 Credit Hours)

3D Studio: 3 Hours

Choose one course from the following:

ART 3311 - Sculpture: Carving I (3 Credit Hours)

ART 3331 - Sculpture: Figure Modeling I (3 Credit Hours)

ART 3401 - Ceramics I for Art Majors and Art Minors (3 Credit Hours)

ART 4321 - Sculpture: Casting I (3 Credit Hours)

ART 4331 - Sculpture: Installation I (3 Credit Hours)
ART 4341 - Sculpture: Mixed Media I (3 Credit Hours)

Graphic Art Studio: 3 Hours

Choose one course from the following:

ART 3231 - Photography I for Art Majors and Art Minors (3 Credit Hours)
ART 3545 - Illustration - From Traditional to Digital Media (3 Credit Hours)

Level 2 Studio: 3 Hours

Choose one course from the following:

ART 3222 - Painting II (3 Credit Hours)
ART 3232 - Photography II (3 Credit Hours)
ART 3312 - Sculpture: Advanced Carving (3 Credit Hours)
ART 3332 - Sculpture: Figure Modeling II (3 Credit Hours)
ART 3402 - Ceramics II (3 Credit Hours)
ART 4261 - Printmaking II (3 Credit Hours)

Media Studio: 3 Hours

Choose one course from the following:

COMM 3520 - Special Effects (3 Credit Hours)
FITH 2000 - Approaches to Acting (3 Credit Hours)
FITH 2001 - The Art of Film (3 Credit Hours)
FITH 3030 - Cinematography (3 Credit Hours)

Art History: 3 Hours

Select one upper-level course from the following:

ART 4620 - Art Since World War II: Exploring Modernism, Neo-Avantgardism, and Beyond (3 Credit Hours)
ART 4640 - Raphael (3 Credit Hours)
ART 4650 - Early Renaissance Italian Painting: Pre-History of Contemporary Visual Culture (3 Credit Hours)
ART 4960 - Undergraduate Internship (1 to 15 Credit Hours)
ART Study Abroad

Professional Practice: 3 Hours

ART 4999 - Professional Practice (BFA) (3 Credit Hours)

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)
WELL XXXX - Activity Course (1 Credit Hour)
WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Fine Arts with a Major in Art and a Concentration in Drawing/Painting

Program Overview

Drawing and Painting are contemporary fields in art, steeped in technique and history. Artistic passion is directed to create dynamic visual works with a focus on drawing and painting. Students experience the freedom of material exploration and conceptual development in the visual realization of ideas by incorporating skills developed through both drawing and painting.

augusta.edu/pamplin/art

Program Contact

Scott Thorp
706-667-4888
auart@augusta.edu

Program Accreditation

The art and design unit is accredited by the National Association of Schools of Art and Design.

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

Portfolio Review

All art majors are required to submit their work for a review by all full-time Department of Art and Design faculty after the completion of the following courses: ART 1211, ART 1520, ART 1530, and 12 additional hours of studio art courses (21 hours total). Portfolio reviews are scheduled at the end of the fall and spring semesters. Passing the portfolio review is a prerequisite for ART 4999 which is a graduation requirement. Portfolio review occurs on the day after the last day of class of the fall and spring semesters. Transfer students must meet this requirement with the provision that a minimum of three hours be done while in residency at the university and that the transfer courses for the remaining 18 hours be equivalent to the required courses listed above. Each student should submit a minimum of 15 studio works. These are to include both two-dimensional and three-dimensional works. See the Department of Art and Design for specific portfolio requirements.

Professional Practice

The BFA degree candidate is required to pass ART 4999 to graduate. The work for this exhibition must be accepted and judged by a full-time Department of Art and Design faculty mentor and ART 4999 instructor as demonstrating significant quality and quantity to warrant the earning of the BFA degree.

Program Information

Program Length: 4 Years
Academic Focus Area: Arts and Humanities [HUAR]
CIP Code: 50.0706
Program Code: 1BFA-ART

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

ART 1211 - Drawing I: An Introduction to Techniques and Methods of Expression (3 Credit Hours)
ART 1520 - Two-Dimensional Design (3 Credit Hours)
ART 1530 - Three-Dimensional Design (3 Credit Hours)
ART 2611 - Art History I Learning the A's and B's of Enacting Art History (3 Credit Hours)
ART 2612 - Art History II: Charting the Historical Emergence of Modernism (3 Credit Hours)
ART 2700 - Color Experience and Theory (3 Credit Hours)

Major Concentration: 60 Hours

ART 3212 - Drawing II (3 Credit Hours)
ART 3213 - Drawing III: Figure Drawing (3 Credit Hours)
ART 3221 - Painting I for Art Majors and Art Minors (3 Credit Hours)
ART 3222 - Painting II (3 Credit Hours)
ART 3231 - Photography I for Art Majors and Art Minors (3 Credit Hours)
ART 3251 - Printmaking I (3 Credit Hours)
ART 3261 - Water-based Media Painting (3 Credit Hours)
ART 3401 - Ceramics I for Art Majors and Art Minors (3 Credit Hours)
ART 3721 - Aesthetics and Philosophy of Art: Deepening the Engagement with Art (3 Credit Hours)
ART 4223 - Painting III (3 Credit Hours)
ART 4341 - Sculpture: Mixed Media I (3 Credit Hours)

Choose two: 6 Hours

ART 3262 - Watercolor II (3 Credit Hours)
ART 3263 - Watercolor III (3 Credit Hours)
ART 4214 - Drawing IV (3 Credit Hours)
ART 4224 - Painting IV (3 Credit Hours)
ART 4225 - Painting V (3 Credit Hours)
ART 4950 - Selected Topics (1 to 3 Credit Hours) (Drawing or Painting)

Art History: 6 Hours

Choose two upper-division courses from the following:

ART 4620 - Art Since World War II: Exploring Modernism, Neo-Avantgardism, and Beyond (3 Credit Hours)
ART 4640 - Raphael (3 Credit Hours)
ART 4650 - Early Renaissance Italian Painting: Pre-History of Contemporary Visual Culture (3 Credit Hours)
SABR 4930 - Studies Abroad (1 to 12 Credit Hours) * with Art History instructor approval

Studio Art Electives: 12 Hours

Any 3000/4000 level Studio course
Any 3000/4000 level Studio course
Any 3000/4000 level Studio course
Any 3000/4000 level Studio course

Professional Practice: 3 Hours

ART 4999 - Professional Practice (BFA) (3 Credit Hours)

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)
WELL XXXX - Activity Course (1 Credit Hour)
WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Fine Arts with a Major in Art and a Concentration in Graphic Design

Program Overview

Graphic design is an integral part of today's culture and society. Our concentration in graphic design is a contemporary approach to design incorporating the latest technology with professional practices built

around client interaction. Courses begin with basic graphic design processes and advance to design methodologies, typography, illustration, moving image, web design and conceptual strategies.

augusta.edu/pamplin/art

Program Contact

Scott Thorp
706-667-4888
auart@augusta.edu

Program Accreditation

The art and design unit is accredited by the National Association of Schools of Art and Design.

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

Portfolio Review

All art majors are required to submit their work for a review by all full-time Department of Art and Design faculty after the completion of the following courses: ART 1211, ART 1520, ART 1530 and 12 additional hours of studio art courses (21 hours total). Portfolio reviews are scheduled at the end of the fall and spring semesters. Passing the portfolio review is a prerequisite for ART 4999 which is a graduation requirement. Portfolio review occurs on the day after the last day of class of the fall and spring semesters. Transfer students must meet this requirement with the provision that a minimum of three hours be done while in residency at the university and that the transfer courses for the remaining 18 hours be equivalent to the required courses listed above. Each student should submit a minimum of 15 studio works. These are to include both two-dimensional and three-dimensional works. See the Department of Art and Design for specific portfolio requirements.

Professional Practice

The BFA degree candidate is required to pass ART 4999 to graduate. The work for this exhibition must be accepted and judged by a full-time Department of Art and Design faculty mentor and ART 4999 instructor as demonstrating significant quality and quantity to warrant the earning of the BFA degree.

Program Information

Program Length: 4 Years
Academic Focus Area: Arts and Humanities [HUAR]
CIP Code: 50.0706
Program Code: 1BFA-ART

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

ART 1211 - Drawing I: An Introduction to Techniques and Methods of Expression (3 Credit Hours)
ART 1520 - Two-Dimensional Design (3 Credit Hours)
ART 1530 - Three-Dimensional Design (3 Credit Hours)
ART 2611 - Art History I Learning the A's and B's of Enacting Art History (3 Credit Hours)
ART 2612 - Art History II: Charting the Historical Emergence of Modernism (3 Credit Hours)
ART 2700 - Color Experience and Theory (3 Credit Hours)

Major Concentration: 60 Hours

ART 3231 - Photography I for Art Majors and Art Minors (3 Credit Hours)
 ART 3251 - Printmaking I (3 Credit Hours)
 ART 3540 - Graphic Design I: Exploring Design Processes, Materials, & Methods (3 Credit Hours)
 ART 3543 - Graphic Design II: Deconstructing Typography, Lettering, and Layout (3 Credit Hours)
 ART 3545 - Illustration - From Traditional to Digital Media (3 Credit Hours)
 ART 3550 - Design Thinking: The Power of Creativity and Collaboration (3 Credit Hours)
 ART 3555 - Tactile Graphics: Printed Surface for Books and Limited Edition (3 Credit Hours)
 ART 3565 - Motion Graphics: Moving Imagery and Type Motion (3 Credit Hours)
 ART 3575 - Web and Mobile Applications Environments - Intro to UX and UI Design (3 Credit Hours)
 ART 3721 - Aesthetics and Philosophy of Art: Deepening the Engagement with Art (3 Credit Hours)
 ART 4545 - Graphic Design through History: from Caves to the Computer (3 Credit Hours)
 ART 4555 - Design Factory: Senior Project I (3 Credit Hours)

Choose One: 3 Hours

ART 3212 - Drawing II (3 Credit Hours)
 ART 3221 - Painting I for Art Majors and Art Minors (3 Credit Hours)
 ART 3261 - Water-based Media Painting (3 Credit Hours)

Choose One: 3 Hours

ART 3311 - Sculpture: Carving I (3 Credit Hours)
 ART 3331 - Sculpture: Figure Modeling I (3 Credit Hours)
 ART 3401 - Ceramics I for Art Majors and Art Minors (3 Credit Hours)
 ART 4321 - Sculpture: Casting I (3 Credit Hours)
 ART 4331 - Sculpture: Installation I (3 Credit Hours)
 ART 4341 - Sculpture: Mixed Media I (3 Credit Hours)

Choose One: 3 Hours

ART 3222 - Painting II (3 Credit Hours)
 ART 3232 - Photography II (3 Credit Hours)
 ART 3312 - Sculpture: Advanced Carving (3 Credit Hours)
 ART 3332 - Sculpture: Figure Modeling II (3 Credit Hours)
 ART 3402 - Ceramics II (3 Credit Hours)
 ART 4261 - Printmaking II (3 Credit Hours)

Choose One: 3 Hours

ART 4331 - Sculpture: Installation I (3 Credit Hours)
 ART 4341 - Sculpture: Mixed Media I (3 Credit Hours)

Studio Art Electives: 6 Hours

Select two upper-division courses from the following:

ART 3213 - Drawing III: Figure Drawing (3 Credit Hours)
 ART 3221 - Painting I for Art Majors and Art Minors (3 Credit Hours)
 ART 3331 - Sculpture: Figure Modeling I (3 Credit Hours)
 ART 3401 - Ceramics I for Art Majors and Art Minors (3 Credit Hours)
 ART 4961 - Undergraduate Internship: Art Museum Studies I (3 Credit Hours)
 ART 4962 - Undergraduate Internship: Art Museum Studies II (3 Credit Hours)

Art History Course: 3 Hours

Select one upper-division course from the following:

ART 4620 - Art Since World War II: Exploring Modernism, Neo-Avantgardism, and Beyond (3 Credit Hours)
 ART 4640 - Raphael (3 Credit Hours)
 ART 4650 - Early Renaissance Italian Painting: Pre-History of Contemporary Visual Culture (3 Credit Hours)

ART 4960 - Undergraduate Internship (1 to 15 Credit Hours)

SABR 4930 - Studies Abroad (1 to 12 Credit Hours) (*with Art History instructor approval*)

Professional Practice: 3 Hours

ART 4999 - Professional Practice (BFA) (3 Credit Hours)

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)

WELL XXXX - Activity Course (1 Credit Hour)

WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Fine Arts with a Major in Art and a Concentration in Printmaking/Photography

Program Overview

Photography and Printmaking combines two rapidly evolving domains with fine arts and commercial applications. This concentration combines the traditional forms of both photography and printmaking with the more contemporary digital applications which keep these areas current in the field. Printmaking techniques include screen printing and relief techniques, while photography teaches both darkroom and digital formats.

augusta.edu/pamplin/art

Program Contact

Scott Thorp

706-667-4888

auart@augusta.edu

Program Accreditation

The art and design unit is accredited by the National Association of Schools of Art and Design.

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at

augusta.edu/admissions.

Progression and Graduation Requirements

Portfolio Review

All art majors are required to submit their work for a review by all full-time Department of Art and Design faculty after the completion of the following courses: ART 1211, ART 1520, ART 1530, and 12 additional hours of studio art courses (21 hours total). Portfolio reviews are scheduled at the end of the fall and spring semesters. Passing the portfolio review is a prerequisite for ART 4999 which is a graduation requirement. Portfolio review occurs on the day after the last day of class of the fall and spring semesters. Transfer students must meet this requirement with the provision that a minimum of three hours be done while in residency at the university and that the transfer courses for the remaining 18 hours be equivalent to the required courses listed above. Each student should submit a minimum of 15 studio works. These are to include both two-dimensional and three-dimensional works. See the Department of Art and Design for specific portfolio requirements.

Professional Practice

The BFA degree candidate is required to pass ART 4999 to graduate. The work for this exhibition must be accepted and judged by a full-time Department of Art and Design faculty mentor and ART 4999 instructor as demonstrating significant quality and quantity to warrant the earning of the BFA degree.

Program Information

Program Length: 4 Years

Academic Focus Area: Arts and Humanities [HUAR]

CIP Code: 50.0706

Program Code: 1BFA-ART

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

ART 1211 - Drawing I: An Introduction to Techniques and Methods of Expression (3 Credit Hours)

ART 1520 - Two-Dimensional Design (3 Credit Hours)

ART 1530 - Three-Dimensional Design (3 Credit Hours)

ART 2611 - Art History I Learning the A's and B's of Enacting Art History (3 Credit Hours)

ART 2612 - Art History II: Charting the Historical Emergence of Modernism (3 Credit Hours)

ART 2700 - Color Experience and Theory (3 Credit Hours)

Major Concentration: 60 Hours

ART 3212 - Drawing II (3 Credit Hours)

ART 3213 - Drawing III: Figure Drawing (3 Credit Hours)

ART 3221 - Painting I for Art Majors and Art Minors (3 Credit Hours)

ART 3231 - Photography I for Art Majors and Art Minors (3 Credit Hours)

ART 3232 - Photography II (3 Credit Hours)

ART 3233 - Photography III (3 Credit Hours)

ART 3251 - Printmaking I (3 Credit Hours)

ART 3401 - Ceramics I for Art Majors and Art Minors (3 Credit Hours)

ART 3721 - Aesthetics and Philosophy of Art: Deepening the Engagement with Art (3 Credit Hours)

ART 4261 - Printmaking II (3 Credit Hours)

ART 4262 - Printmaking III (3 Credit Hours)

Choose two: 6 Hours

ART 3222 - Painting II (3 Credit Hours)

ART 3234 - Photography IV (3 Credit Hours)

ART 3402 - Ceramics II (3 Credit Hours)

ART 4214 - Drawing IV (3 Credit Hours)

ART 4263 - Printmaking IV (3 Credit Hours)

ART 4331 - Sculpture: Installation I (3 Credit Hours)

ART 4341 - Sculpture: Mixed Media I (3 Credit Hours)

ART 4950 - Selected Topics (1 to 3 Credit Hours) (Printmaking or Photography)

Art History: 6 Hours

Choose two upper-division courses from the following:

ART 4620 - Art Since World War II: Exploring Modernism, Neo-Avantgardism, and Beyond (3 Credit Hours)

ART 4640 - Raphael (3 Credit Hours)

ART 4650 - Early Renaissance Italian Painting: Pre-History of Contemporary Visual Culture (3 Credit Hours)

SABR 4930 - Studies Abroad (1 to 12 Credit Hours) * with Art History instructor approval

Studio Art Electives: 12 Hours

Any 3000/4000 level Studio course
Any 3000/4000 level Studio course
Any 3000/4000 level Studio course
Any 3000/4000 level Studio course

Professional Practice: 3 Hours

ART 4999 - Professional Practice (BFA) (3 Credit Hours)

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)

WELL XXXX - Activity Course (1 Credit Hour)

WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Fine Arts with a Major in Art and a Concentration in Sculpture/Ceramics

Program Overview

Sculpture and Ceramics offer students a broad range of sculptural experiences in a variety of media. Our studios for both ceramics and sculpture are state-of-the-art facilities where students are inspired to realize their ideas through three-dimensional media. We prepare students for the contemporary art world with offerings in mixed-media and 3D printing for ceramics.

augusta.edu/pamplin/art

Program Contact

Scott Thorp

706-667-4888

auart@augusta.edu

Program Accreditation

The art and design unit is accredited by the National Association of Schools of Art and Design.

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

Portfolio Review

All art majors are required to submit their work for a review by all full-time Department of Art and Design faculty after the completion of the following courses: ART 1211, ART 1520, ART 1530, and 12 additional hours of studio art courses (21 hours total). Portfolio reviews are scheduled at the end of the fall and spring semesters. Passing the portfolio review is a prerequisite for ART 4999 which is a graduation requirement. Portfolio review occurs on the day after the last day of class of the fall and spring semesters. Transfer students must meet this requirement with the provision that a minimum of three hours be done while in residency at the university and that the transfer courses for the remaining 18 hours be equivalent to the required courses listed above. Each student should submit a minimum of 15 studio works. These

are to include both two-dimensional and three-dimensional works. See the Department of Art and Design for specific portfolio requirements.

Professional Practice

The BFA degree candidate is required to pass ART 4999 to graduate. The work for this exhibition must be accepted and judged by a full-time Department of Art and Design faculty mentor and ART 4999 instructor as demonstrating significant quality and quantity to warrant the earning of the BFA degree.

Program Information

Program Length: 4 Years

Academic Focus Area: Arts and Humanities [HUAR]

CIP Code: 50.0706

Program Code: 1BFA-ART

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

ART 1211 - Drawing I: An Introduction to Techniques and Methods of Expression (3 Credit Hours)

ART 1520 - Two-Dimensional Design (3 Credit Hours)

ART 1530 - Three-Dimensional Design (3 Credit Hours)

ART 2611 - Art History I Learning the A's and B's of Enacting Art History (3 Credit Hours)

ART 2612 - Art History II: Charting the Historical Emergence of Modernism (3 Credit Hours)

ART 2700 - Color Experience and Theory (3 Credit Hours)

Major Concentration: 60 Hours

ART 3212 - Drawing II (3 Credit Hours)

ART 3213 - Drawing III: Figure Drawing (3 Credit Hours)

ART 3221 - Painting I for Art Majors and Art Minors (3 Credit Hours)

ART 3231 - Photography I for Art Majors and Art Minors (3 Credit Hours)

ART 3251 - Printmaking I (3 Credit Hours)

ART 3311 - Sculpture: Carving I (3 Credit Hours)

ART 3401 - Ceramics I for Art Majors and Art Minors (3 Credit Hours)

ART 3402 - Ceramics II (3 Credit Hours)

ART 3721 - Aesthetics and Philosophy of Art: Deepening the Engagement with Art (3 Credit Hours)

ART 4341 - Sculpture: Mixed Media I (3 Credit Hours)

Choose two: 6 Hours

ART 3331 - Sculpture: Figure Modeling I (3 Credit Hours)

ART 4321 - Sculpture: Casting I (3 Credit Hours)

ART 4331 - Sculpture: Installation I (3 Credit Hours)

Sculpture or Ceramics: 3 Hours

Choose one from the following:

ART 3312 - Sculpture: Advanced Carving (3 Credit Hours)

ART 3313 - Sculpture: Advanced Techniques in Carving (3 Credit Hours)

ART 3403 - Ceramics III (3 Credit Hours)

ART 4322 - Sculpture: Casting II (3 Credit Hours)

ART 4323 - Sculpture: Casting III (3 Credit Hours)

ART 4342 - Sculpture: Mixed Media II (3 Credit Hours)

ART 4343 - Sculpture: Mixed Media III (3 Credit Hours)

ART 4404 - Ceramics IV (3 Credit Hours)

ART 4405 - Ceramics V (3 Credit Hours)

ART 4406 - Ceramics VI (3 Credit Hours)

Art History: 6 Hours

Choose two upper-division courses from the following:

ART 4620 - Art Since World War II: Exploring Modernism, Neo-Avantgardism, and Beyond (3 Credit Hours)

ART 4640 - Raphael (3 Credit Hours)

ART 4650 - Early Renaissance Italian Painting: Pre-History of Contemporary Visual Culture (3 Credit Hours)

SABR 4930 - Studies Abroad (1 to 12 Credit Hours) * with Art History instructor approval

Studio Art Electives: 12 Hours

Any 3000/4000 level Studio course

Any 3000/4000 level Studio course

Any 3000/4000 level Studio course

Any 3000/4000 level Studio course

Professional Practice: 3 Hours

ART 4999 - Professional Practice (BFA) (3 Credit Hours)

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)

WELL XXXX - Activity Course (1 Credit Hour)

WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Fine Arts with a Major in Digital and Visual Storytelling

Program Overview

Bachelor of Fine Arts is a practice-intensive concentration giving students an exceptional range of creative skills to visually express ideas through film and performance. These include abstract problem-solving, critical thinking, performing, creative visioning, digital storytelling, and other professional practice skills related to visual and performing arts. This interdisciplinary concentration prepares students for professional careers in film and theatre, as well as a wide variety of creative storytelling- and communication-related roles through digital and social media, and it represents a richly diverse ecosystem of philosophies and practices.

augusta.edu/pamplin/art

Program Contact

Scott Thorp

706-667-4888

auart@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

Students are expected to earn a C or better in their major coursework, and to fulfill all curricular requirements, including the capstone course FITH 4800, in order to graduate.

Program Information

Program Length: 4 Years

Academic Focus Area: Arts and Humanities [HUAR]

CIP Code: 50.0101

Program Code: 1BFA-DIVS

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

Required Field of Study Courses: 12 Hours

ART 1530 - Three-Dimensional Design (3 Credit Hours)

FITH 2000 - Approaches to Acting (3 Credit Hours)

FITH 2001 - The Art of Film (3 Credit Hours)

FITH 2010 - Performance Composition (3 Credit Hours)

Elective Field of Study Courses: 6 Hours

Select two of the following:

ANTH 2011 - Cultural Anthropology (3 Credit Hours)

ART 1520 - Two-Dimensional Design (3 Credit Hours)

ART 2611 - Art History I Learning the A's and B's of Enacting Art History (3 Credit Hours)

ART 2612 - Art History II: Charting the Historical Emergence of Modernism (3 Credit Hours)

ART 2700 - Color Experience and Theory (3 Credit Hours)

GFA 1000 - Introduction to On-Set Film Production (6 Credit Hours)

GFA 2000 - Film & Television Production Internship (6 Credit Hours)

GFA 2010 - Set Construction & Scenic Painting (6 Credit Hours)

GFA 2050 - Introduction to Special Makeup Effects (6 Credit Hours)

Major Concentration: 60 Hours

COMM 3030 - Audiovisual Media Production (3 Credit Hours)

FITH 3000 - Voice and Movement (3 Credit Hours)

FITH 3001 - History of Performance I (3 Credit Hours)

FITH 3002 - History of Performance II (3 Credit Hours)

FITH 3020 - Directing for the Stage (3 Credit Hours)

FITH 3021 - Directing for Film (3 Credit Hours)

FITH 3030 - Cinematography (3 Credit Hours)

Writing-Intensive Course: 3 Hours

Select one of the following:

FITH 3010 - Writing for the Stage (3 Credit Hours)

FITH 3011 - Screenwriting (3 Credit Hours)

Practice-Intensive Courses: 9 Hours

Select three of the following:

ART 4341 - Sculpture: Mixed Media I (3 Credit Hours)
FITH 3200 - Place and Context (3 Credit Hours)
FITH 4000 - Theory and Practice (3 Credit Hours)
FITH 4150 - Performance Art (3 Credit Hours)
FITH 4960 - Internship (3 Credit Hours)

Production-Intensive Course: 3 Hours

Select one of the following:

FITH 4500 - Short Film Production (3 Credit Hours)
FITH 4600 - Research in Performance (3 Credit Hours)

Upper-Division Electives: 21 Hours

Select seven of the following:

ART 3565 - Motion Graphics: Moving Imagery and Type Motion (3 Credit Hours)
ART 3600 - Animation History and Fundamentals (3 Credit Hours)
ANTH 3001 - Methods in Cultural Anthropology (4 Credit Hours)
COMM 3010 - Advanced Public Speaking (3 Credit Hours)
COMM 3120 - Television Production (3 Credit Hours)
COMM 3320 - Digital Editing (3 Credit Hours)
COMM 4000 - Communication Law and Ethics (3 Credit Hours)
COMM 4010 - Preparing and Producing Visual Media (3 Credit Hours)
COMM 4400 - Media Editing and Production (3 Credit Hours)
ENGL 3620 - Writing for the Theatre (3 Credit Hours)
ENGL 3640 - Writing Short Fiction (3 Credit Hours)
ENGL 3660 - Introduction to Creative Nonfiction (3 Credit Hours)
ENGL 4660 - Advanced Creative Nonfiction (3 Credit Hours)
GFA 3000 or 4000 Level Course

Any upper-level FITH course not counted elsewhere:

FITH 3101 - Performance Practicum (1 to 3 Credit Hours)
FITH 3102 - Production Practicum (1 to 3 Credit Hours)
FITH 3300 - Combat for Stage and Screen (3 Credit Hours)
FITH 4510 - Feature Film Production (3 Credit Hours)
FITH 4520 - Music Video Production (3 Credit Hours)
FITH 4530 - Experimental Film Production (3 Credit Hours)
FITH 4610 - Advanced Acting Styles (3 Credit Hours)
FITH 4620 - Place, Performance, and Authenticity (3 Credit Hours)
FITH 4630 - Visual Culture as Performance (3 Credit Hours)
FITH 4920 - Study Abroad: Topics in International Film and Theatre (3 Credit Hours)
FITH 4950 - Special Topics (3 Credit Hours)

Capstone Project: 3 Hours

FITH 4800 - Creative Expression through Multiple Media (3 Credit Hours)

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)
WELL XXXX - Activity Course (1 Credit Hour)
WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Music

Bachelor of Music with a Major in Music Education and a Concentration in Instrumental

Program Overview

The Bachelor of Music in Music Education prepares students for careers as K-12 music teachers in public and private schools.

augusta.edu/pamplin/music/music-education

Program Contact

Dr. Robert Saunders

706-737-1453

music@augusta.edu

Program Accreditation

The music unit is accredited by the National Association of Schools of Music.

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- A grade of C or better is required in all Field of Study, Music Education, and Professional Music Education courses.
- A grade of B or better is required for SPED 3002.

Program Information

Program Length: 4 Years

Academic Focus Area: Arts and Humanities [HUAR]

CIP Code: 13.1312

Program Code: 1BM-MUSIC ED

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

A grade of C or better is required in all courses.

EDUC 2110 - Investigating Critical and Contemporary Issues in Education (3 Credit Hours)

EDUC 2120 - Exploring Social-Cultural Perspectives on Diversity (3 Credit Hours)

EDUC 2130 - Exploring Learning and Teaching (3 Credit Hours)

MUSI 1521 - Class Piano I (1 Credit Hour)

MUSI 1522 - Class Piano II (1 Credit Hour)

Lower-Division Applied Lessons: 4 Hours

MUSA 1XX1 Applied Lessons: Concentration

MUSA 1XX2 Applied Lessons: Concentration

MUSA 2XX1 Applied Lessons: Concentration

Choose one: 1 Hour

MUSI 3660 - Augusta University Jazz Ensemble (0 to 1 Credit Hour)
MUSI 4610 - Augusta University Opera Ensemble (0 to 3 Credit Hours)
MUSI 4620 - TONEalities (0 to 1 Credit Hour)
MUSI 4640 - Woodwind Ensemble (0 to 1 Credit Hour)
MUSI 4650 - Brass Ensemble (0 to 1 Credit Hour)
MUSI 4660 - Jazz Combo (0 to 1 Credit Hour)
MUSI 4670 - Keyboard Ensemble (0 to 1 Credit Hour)
MUSI 4680 - Percussion Ensemble (0 to 1 Credit Hour)
MUSI 4690 - Chamber Music Ensemble (0 to 1 Credit Hour)

Major Ensembles: 3 Hours

Music Education: 44 Hours

A grade of C or better is required in all these courses.

Applied Concentration Lessons: 6 Hours

At least 4 credit hours at upper-divisional level.

MUSA 2XX2 Applied Lessons: Concentration
MUSA 3XX1 Applied Lessons: Concentration
MUSA 3XX2 Applied Lessons: Concentration

Recital Experience:

MUSI 1500 - Recital Laboratory (0 Credit Hours) (*6 semesters minimum*)
MUSA 2X05 - Studio Class (*6 semesters minimum*)
MUSA 3XX5 - Junior Recital

Music Theory: 18 Hours

MUSI 1101 - Aural Skills I (2 Credit Hours)
MUSI 1102 - Aural Skills II (2 Credit Hours)
MUSI 1211 - Music Theory I (2 Credit Hours)
MUSI 1212 - Music Theory II (2 Credit Hours)
MUSI 2101 - Aural Skills III (2 Credit Hours)
MUSI 2211 - Music Theory III (2 Credit Hours)
MUSI 2102 - Aural Skills IV (2 Credit Hours)
MUSI 2212 - Music Theory IV (2 Credit Hours)
MUSI 3210 - Form and Analysis (1 Credit Hour)
MUSI 4210 - Instrumentation and Orchestration (1 Credit Hour)

Music History: 8 Hours

MUSI 2230 - Introduction to Western Music Literature (2 Credit Hours)
MUSI 3340 - Music History I (3 Credit Hours)
MUSI 3350 - Music History II (3 Credit Hours)

Major Ensembles: 3 Hours

MUSI 3610 - Augusta University Wind Ensemble (0 to 1 Credit Hour)
MUSI 3620 - University Singers (0 to 1 Credit Hour)
MUSI 3630 - Augusta University Orchestra (0 to 1 Credit Hour)

Miscellaneous Requirements: 4 Hours

MUSI 3560 - Fundamentals of Conducting (1 Credit Hour)
MUSI 2523 - Class Piano III (1 Credit Hour)
MUSI 2524 - Class Piano IV (1 Credit Hour)
MUSI 1810 - Music Technology (1 Credit Hour)

Instrument/Voice Methods, Instrumental Track: 5 Hours

MUSI 3420 - Brass Methods (1 Credit Hour)
MUSI 3430 - Woodwind Methods (1 Credit Hour)
MUSI 3440 - String Methods (1 Credit Hour)
MUSI 3450 - Percussion Methods (1 Credit Hour)
MUSI 3460 - Marching Band Methods (1 Credit Hour)

Professional Music Education: 24 Hours

A grade of C or better is required in all courses.

MUSI 3410 - Elementary and Middle School Music Methods (3 Credit Hours)
MUSI 3413 - Foundations of Music Education (3 Credit Hours)
MUSI 4410 - Conducting and Methodology of Secondary Instruments (3 Credit Hours)

After Admission to Teacher Education

EDTD 4940 - Foundations of Reading Seminar (2 Credit Hours)
MUSI 4492 - Music Education Culminating Residency (10 Credit Hours)
SPED 3002 - Teaching Students with Disabilities in the Inclusive Classroom (3 Credit Hours)

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)
WELL XXXX - Activity Course (1 Credit Hour)
WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 132 Hours

Bachelor of Music with a Major in Music Education and a Concentration in Vocal

Program Overview

The Bachelor of Music in Music Education prepares students for careers as K-12 music teachers in public and private schools.

augusta.edu/pamplin/music/vocal

Program Contact

Dr. Robert Saunders
706-737-1453
music@augusta.edu

Program Accreditation

The music unit is accredited by the National Association of Schools of Music.

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- A grade of C or better is required in all Field of Study, Music Education, and Professional Music Education courses.
- A grade of B or better is required for SPED 3002.

Program Information

Program Length: 4 Years

Academic Focus Area: Arts and Humanities [HUAR]

CIP Code: 13.1312

Program Code: 1BM-MUSIC ED

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

A grade of C or better is required in all courses.

EDUC 2110 - Investigating Critical and Contemporary Issues in Education (3 Credit Hours)

EDUC 2120 - Exploring Social-Cultural Perspectives on Diversity (3 Credit Hours)

EDUC 2130 - Exploring Learning and Teaching (3 Credit Hours)

MUSI 1521 - Class Piano I (1 Credit Hour)

MUSI 1522 - Class Piano II (1 Credit Hour)

Lower-Division Applied Lessons: 4 Hours

MUSA 1XX1 - Applied Lessons: Concentration

MUSA 1XX2 - Applied Lessons: Concentration

MUSA 2XX1 - Applied Lessons: Concentration

Choose one: 1 Hour

MUSI 3660 - Augusta University Jazz Ensemble (0 to 1 Credit Hour)

MUSI 4610 - Augusta University Opera Ensemble (0 to 3 Credit Hours)

MUSI 4620 - TONEalities (0 to 1 Credit Hour)

MUSI 4640 - Woodwind Ensemble (0 to 1 Credit Hour)

MUSI 4650 - Brass Ensemble (0 to 1 Credit Hour)

MUSI 4660 - Jazz Combo (0 to 1 Credit Hour)

MUSI 4670 - Keyboard Ensemble (0 to 1 Credit Hour)

MUSI 4680 - Percussion Ensemble (0 to 1 Credit Hour)

MUSI 4690 - Chamber Music Ensemble (0 to 1 Credit Hour)

Major Ensembles: 3 Hours

Music Education: 44 Hours

A grade of C or better is required in these courses.

Applied Concentration Lessons: 6 Hours

At least 4 credit hours at upper-divisional level.

MUSA 2XX2 Applied Lessons: Concentration

MUSA 3XX1 Applied Lessons: Concentration

MUSA 3XX2 Applied Lessons: Concentration

Recital Experience: 0 Hours

MUSI 1500 - Recital Laboratory (0 Credit Hours) (6 semesters minimum)

MUSA 2X05 - Studio Class (6 semesters minimum)

MUSA 3XX5 - Junior Recital

Music Theory: 18 Hours

MUSI 1101 - Aural Skills I (2 Credit Hours)

MUSI 1102 - Aural Skills II (2 Credit Hours)

MUSI 1211 - Music Theory I (2 Credit Hours)

MUSI 1212 - Music Theory II (2 Credit Hours)

MUSI 2101 - Aural Skills III (2 Credit Hours)
MUSI 2211 - Music Theory III (2 Credit Hours)
MUSI 2102 - Aural Skills IV (2 Credit Hours)
MUSI 2212 - Music Theory IV (2 Credit Hours)
MUSI 3210 - Form and Analysis (1 Credit Hour)
MUSI 4210 - Instrumentation and Orchestration (1 Credit Hour)

Music History: 8 Hours

MUSI 2230 - Introduction to Western Music Literature (2 Credit Hours)
MUSI 3340 - Music History I (3 Credit Hours)
MUSI 3350 - Music History II (3 Credit Hours)

Major Ensembles: 3 Hours

Two credit hours minimum at upper-division level.
MUSI 3610 - Augusta University Wind Ensemble (0 to 1 Credit Hour)
MUSI 3620 - University Singers (0 to 1 Credit Hour)
MUSI 3630 - Augusta University Orchestra (0 to 1 Credit Hour)

Miscellaneous Requirements: 4 Hours

MUSI 3560 - Fundamentals of Conducting (1 Credit Hour)
MUSI 2523 - Class Piano III (1 Credit Hour)
MUSI 2524 - Class Piano IV (1 Credit Hour)
MUSI 1810 - Music Technology (1 Credit Hour)

Instrument/Voice Methods, Vocal Track: 5 Hours

MUSI 3420 - Brass Methods (1 Credit Hour)
MUSI 3430 - Woodwind Methods (1 Credit Hour)
MUSI 3440 - String Methods (1 Credit Hour)
MUSI 3450 - Percussion Methods (1 Credit Hour)
MUSI 3470 - Vocal Methods (1 Credit Hour)

Professional Music Education: 24 Hours

A grade of C or better is required in all courses.

MUSI 3410 - Elementary and Middle School Music Methods (3 Credit Hours)
MUSI 3413 - Foundations of Music Education (3 Credit Hours)
MUSI 4420 - Conducting and Methodology of Secondary Choral (3 Credit Hours)

After Admission to Teacher Education: 15 Hours

EDTD 4940 - Foundations of Reading Seminar (2 Credit Hours)
MUSI 4492 - Music Education Culminating Residency (10 Credit Hours)
SPED 3002 - Teaching Students with Disabilities in the Inclusive Classroom (3 Credit Hours)

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)
WELL XXXX - Activity Course (1 Credit Hour)
WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 132 Hours

Bachelor of Music with a Major in Performance and a Concentration in Instrumental

Program Overview

A performance major prepares students for careers as instrumentalists in symphonic, jazz and popular styles; as singers in opera, theatre, and popular music; and as solo recitalists, accompanists, private and college teachers, and church musicians.

augusta.edu/pamplin/music/instrumental.php

Program Contact

Angela Morgan, DM
706-737-1453
music@augusta.edu

Program Accreditation

The music unit is accredited by the National Association of Schools of Music.

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

A grade of C or better is required in all Field of Study, Bachelor of Music Performance Common Curriculum, and Instrumental Performance Track Curriculum courses.

Program Information

Program Length: 4 Years
Academic Focus Area: Arts and Humanities [HUAR]
CIP Code: 50.0903
Program Code: 1BM-PERFORM

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 17 Hours

A grade of C or better is required in all of the following courses.

Lower-Division Theory Courses: 10 Hours

Take each of the following courses:

MUSI 1101 - Aural Skills I (2 Credit Hours)
MUSI 1211 - Music Theory I (2 Credit Hours)
MUSI 1102 - Aural Skills II (2 Credit Hours)
MUSI 1212 - Music Theory II (2 Credit Hours)
MUSI 1521 - Class Piano I (1 Credit Hour)
MUSI 1522 - Class Piano II (1 Credit Hour)

Lower-Division Applied Lessons: 4 Hours

Take each of the following courses:

MUSA 1XX1 - Applied Lessons: Concentration

MUSA 1XX2 - Applied Lessons: Concentration
MUSA 2XX3 - Applied Lessons: Major
Audition for Performance Major Passed

Major Ensembles as assigned: 3 Hours

Bachelor of Music in Performance Common Curriculum: 46 Hours

(Grade of C or better is required in all these courses)

Applied Major Lessons: 10 Hours

(at least 8 hours completed at upper-division level)

MUSA 2XX4- Applied Lessons: Major
MUSA 3XX3- Applied Lessons: Major
MUSA 3XX4- Applied Lessons: Major
MUSA 4XX3- Applied Lessons: Major
MUSA 4XX4- Applied Lessons: Major

Recital Experience:

MUSI 1500 - Recital Laboratory (0 Credit Hours) (8 semesters minimum)

Junior/Senior Recital:

MUSA 3XX5- Junior Recital
MUSA 4XX5- Senior Recital

Studio Classes:

MUSA 2XX5- Studio Class (8 semesters minimum)

Music Theory Curriculum: 10 Hours

Take each of the following courses:

MUSI 2101 - Aural Skills III (2 Credit Hours)
MUSI 2211 - Music Theory III (2 Credit Hours)
MUSI 2102 - Aural Skills IV (2 Credit Hours)
MUSI 2212 - Music Theory IV (2 Credit Hours)
MUSI 3210 - Form and Analysis (1 Credit Hour)
MUSI 4210 - Instrumentation and Orchestration (1 Credit Hour)

Music History Curriculum: 8 Hours

Take each of the following courses:

MUSI 2230 - Introduction to Western Music Literature (2 Credit Hours)
MUSI 3340 - Music History I (3 Credit Hours)
MUSI 3350 - Music History II (3 Credit Hours)

Major Ensembles: 5 Hours

MUSI 36X0- Major Ensemble
MUSI 3610 - Augusta University Wind Ensemble (0 to 1 Credit Hour)
MUSI 3620 - University Singers (0 to 1 Credit Hour)
MUSI 3630 - Augusta University Orchestra (0 to 1 Credit Hour)

Upper-Division Music Theory: 4 Hours

MUSI XXXX
MUSI XXXX

Miscellaneous Requirements: 6 Hours

MUSI 1810 - Music Technology (1 Credit Hour)
MUSI 2523 - Class Piano III (1 Credit Hour)

MUSI 2524 - Class Piano IV (1 Credit Hour)
MUSI 3560 - Fundamentals of Conducting (1 Credit Hour)

Upper-Division Music Elective (2 Credit Hours)

Instrumental Performance Track Curriculum: 18 Hours

Grade of C or better is required in all these courses.

Pedagogy and Studio Teaching Practicum Experience: 4 Hours

Minimum of 2 credits of Directed Studio Teaching required.

MUSI 4541 - Direct Studio Teaching: Instrument (0 to 3 Credit Hours)

Elective

Elective

Upper-Division Music History and Literature: 8 Hours

MUSI XXXX

MUSI XXXX

MUSI XXXX

MUSI XXXX

Small Ensembles: 6 Hours

(as assigned from MUSI 3660-46XX)

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)

WELL XXXX - Activity Course (1 Credit Hour)

WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Music with a Major in Performance and a Concentration in Jazz Studies

Program Overview

A performance major prepares students for careers as instrumentalists in symphonic, jazz and popular styles; as singers in opera, theater, and popular music; and as solo recitalists, accompanists, private and college teachers, and church musicians.

augusta.edu/pamplin/music/jazz

Program Accreditation

The music unit is accredited by the National Association of Schools of Music.

Program Contact

Wycliffe Gordon

706-737-1453

music@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

A grade of C or better is required in all Field of Study, Bachelor of Music Performance Common Curriculum, and Jazz Studies Performance Track Curriculum courses.

Program Information

Program Length: 4 Years

Academic Focus Area: Arts and Humanities [HUAR]

CIP Code: 50.0903

Program Code: 1BM-PERFORM

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 17 Hours

Grade of C or better is required in all of the following courses.

MUSI 1101 - Aural Skills I (2 Credit Hours)

MUSI 1102 - Aural Skills II (2 Credit Hours)

MUSI 1211 - Music Theory I (2 Credit Hours)

MUSI 1212 - Music Theory II (2 Credit Hours)

MUSI 1521 - Class Piano I (1 Credit Hour)

MUSI 1522 - Class Piano II (1 Credit Hour)

Lower-Division Applied Lessons: 4 Hours

MUSA 1XX1 - Applied Lessons: Concentration

MUSA 1XX2 - Applied Lessons: Concentration

MUSA 2XX3 - Applied Jazz Lessons: Major

Audition for Jazz Studies Major Passed

Major Ensembles: 3 Hours

MUSI 36X0-Major Ensemble

MUSI 36X0-Major Ensemble

MUSI 36X0-Major Ensemble

Major Courses: 62 Hours

Bachelor of Music in Performance in Common Curriculum: 46 Hours

Grade of C or better is required in all these courses.

Applied Major Lessons: 10 Hours

At least 8 at upper-divisional level.

MUSA 2XX4- Applied Jazz Lessons: Major*

MUSA 3XX3- Applied Jazz Lessons: Major*

MUSA 3XX4- Applied Jazz Lessons: Major*

MUSA 4XX3- Applied Jazz Lessons: Major*

MUSA 4XX4- Applied Jazz Lessons: Major*

Upper-division Exam Passed

*Jazz Studies Majors will take Applied Instruction in Jazz (i.e. Jazz Trumpet, Jazz Saxophone, etc. from this point.

Recital Experience: 0 Hours

MUSI 1500 - Recital Laboratory (0 Credit Hours) (8 semesters minimum)

Junior/ Senior Recital: 0 Hours

MUSA 3XX5- Junior Recital

MUSA 4XX5- Senior Recital

Studio Classes: 8 Hour Minimum

MUSA 2X05- Studio Class (8 semesters minimum)

Music Theory Curriculum: 10 Hours

MUSI 2101 - Aural Skills III (2 Credit Hours)

MUSI 2211 - Music Theory III (2 Credit Hours)

MUSI 2102 - Aural Skills IV (2 Credit Hours)

MUSI 2212 - Music Theory IV (2 Credit Hours)

MUSI 3210 - Form and Analysis (1 Credit Hour)

MUSI 4210 - Instrumentation and Orchestration (1 Credit Hour)

Music History Curriculum: 8 Hours

MUSI 2230 - Introduction to Western Music Literature (2 Credit Hours)

MUSI 3340 - Music History I (3 Credit Hours)

MUSI 3350 - Music History II (3 Credit Hours)

Major Ensembles: 5 Hours

MUSI 36X0- Major Ensemble

MUSI 36X0- Major Ensemble

MUSI 36X0- Major Ensemble

MUSI 36X0- Major Ensemble

MUSI 36X0- Major Ensemble

MUSI 3610 - Augusta University Wind Ensemble (0 to 1 Credit Hour)

MUSI 3620 - University Singers (0 to 1 Credit Hour)

MUSI 3630 - Augusta University Orchestra (0 to 1 Credit Hour)

Upper Division Music Theory: 4 Hours

MUSI 3720 - Jazz Improvisation I (2 Credit Hours)

MUSI 4720 - Jazz Improvisation II (2 Credit Hours)

Miscellaneous Requirements: 8 Hours

MUSI 1810 - Music Technology (1 Credit Hour)

MUSI 2523 - Class Piano III (1 Credit Hour)

MUSI 2524 - Class Piano IV (1 Credit Hour)

MUSI 3560 - Fundamentals of Conducting (1 Credit Hour)

MUSI 4230 - Jazz Arranging & Composition (2 Credit Hours)

Upper-Division Music Elective (2 Credit Hours)

Jazz Studies Performance Track Curriculum: 16 Hours

Grade of C or better is required in all these courses.

Pedagogy Experience: 2 Hours

MUSI 4570 - Jazz Pedagogy (2 Credit Hours)

Music History and Literature Core: 8 Hours

MUSI 4730 - Jazz History and Literature (3 Credit Hours)

Small Ensembles: 6 Hours

MUSI 3660 - Augusta University Jazz Ensemble (0 to 1 Credit Hour)

MUSI 4660 - Jazz Combo (0 to 1 Credit Hour)

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)

WELL XXXX - Activity Course (1 Credit Hour)

WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Music with a Major in Performance and a Concentration in Piano

Program Overview

A performance major prepares students for careers as instrumentalists in symphonic, jazz and popular styles; as singers in opera, theater, and popular music; and as solo recitalists, accompanists, private and college teachers, and church musicians.

augusta.edu/pamplin/music

Program Accreditation

The music unit is accredited by the National Association of Schools of Music.

Program Contact

Rosalyn Floyd

706-737-1453

music@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

A grade of C or better is required in all Field of Study, Bachelor of Music Performance Common Curriculum, and Piano Performance Track Curriculum courses.

Program Information

Program Length: 4 Years

Academic Focus Area: Arts and Humanities [HUAR]

CIP Code: 50.0903

Program Code: 1BM-PERFORM

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 17 Hours

A grade of C or better is required in all of the following courses.

Lower-Division Theory Courses: 10 Hours

MUSI 1101 - Aural Skills I (2 Credit Hours)
MUSI 1102 - Aural Skills II (2 Credit Hours)
MUSI 1211 - Music Theory I (2 Credit Hours)
MUSI 1212 - Music Theory II (2 Credit Hours)
MUSI 2525 - Advanced Keyboard Skills (1 Credit Hour)
MUSI 3551 - Keyboard Accompanying (1 to 2 Credit Hours)

Lower-Division Applied Lessons: 4 Hours

MUSA 1XX1- Concentration Applied
MUSA 1XX2- Concentration Applied
MUSA 2XX3- Major Applied
Audition for Performance Major Passed

Major Ensembles: 3 Hours

MUSI 36X0- Major Ensemble
MUSI 36X0- Major Ensemble
MUSI 36X0- Major Ensemble

Bachelor of Music in Performance Common Curriculum: 48 Hours

Grade of C or better is required in all these courses.

Applied Major Lessons: 10 Hours

At least 8 at upper-divisional level.
MUSA 2XX4- Applied Lessons: Major
MUSA 3XX3- Applied Lessons: Major
MUSA 3XX4- Applied Lessons: Major
MUSA 4XX3- Applied Lessons: Major
MUSA 4XX4- Applied Lessons: Major
Upper-division Exam Passed

Recital Experience:

MUSI 1500 - Recital Laboratory (0 Credit Hours) (8 semesters minimum)

Junior/Senior Recital:

MUSA 3XX5- Junior Recital
MUSA 4XX5- Senior Recital

Studio Classes:

MUSA 2X05- Studio Class (8 semesters minimum)

Music Theory Curriculum: 10 Hours

MUSI 2101 - Aural Skills III (2 Credit Hours)
MUSI 2102 - Aural Skills IV (2 Credit Hours)
MUSI 2211 - Music Theory III (2 Credit Hours)
MUSI 2212 - Music Theory IV (2 Credit Hours)
MUSI 3210 - Form and Analysis (1 Credit Hour)
MUSI 4210 - Instrumentation and Orchestration (1 Credit Hour)

Music History Curriculum: 8 Hours

MUSI 2230 - Introduction to Western Music Literature (2 Credit Hours)
MUSI 3340 - Music History I (3 Credit Hours)
MUSI 3350 - Music History II (3 Credit Hours)

Major Ensembles: 5 Hours

MUSI 36X0- Major Ensemble

MUSI 36X0- Major Ensemble
MUSI 36X0- Major Ensemble
MUSI 36X0- Major Ensemble
MUSI 36X0- Major Ensemble
MUSI 3610 - Augusta University Wind Ensemble (0 to 1 Credit Hour)
MUSI 3620 - University Singers (0 to 1 Credit Hour)
MUSI 3630 - Augusta University Orchestra (0 to 1 Credit Hour)

Upper-Division Music Theory: 4 Hours

Choose from the following:

MUSI 3230 - Eighteenth Century Counterpoint (2 Credit Hours)
MUSI 3720 - Jazz Improvisation I (2 Credit Hours)
MUSI 4420 - Conducting and Methodology of Secondary Choral (3 Credit Hours)
MUSI 4290 - Special Topics in Music Theory (2 Credit Hours)

Miscellaneous Requirements: 6 Hours

MUSI 1810 - Music Technology (1 Credit Hour)
MUSI 3551 - Keyboard Accompanying (1 to 2 Credit Hours)
MUSI 3560 - Fundamentals of Conducting (1 Credit Hour)
MUSI 3660 - Augusta University Jazz Ensemble (0 to 1 Credit Hour) or MUSI 4670 - Keyboard Ensemble (0 to 1 Credit Hour)
MUSI XXXX- Upper-division Music Elective (2 Credit Hours)

Piano Performance Track Curriculum: 18 Hours

Grade of C or better is required in all these courses.

Pedagogy and Studio Teaching Practicum Experience: 4 Hours

MUSI 3530 - Keyboard Pedagogy (2 Credit Hours)
MUSI 4541 - Direct Studio Teaching: Instrument (0 to 3 Credit Hours)

Music History and Literature: 8 Hours

MUSI 4341 - Piano Literature I (2 Credit Hours)
MUSI XXXX
MUSI XXXX
MUSI XXXX

Chamber Music Ensembles: 2 Hours

MUSI 4670 - Keyboard Ensemble (0 to 1 Credit Hour)
MUSI 46XX

Piano Performance: 4 Hours

Select from the following courses:

MUSI 3551 - Keyboard Accompanying (1 to 2 Credit Hours)
MUSI 3660 - Augusta University Jazz Ensemble (0 to 1 Credit Hour)
MUSI 4660 - Jazz Combo (0 to 1 Credit Hour)
MUSI 4670 - Keyboard Ensemble (0 to 1 Credit Hour)

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)
WELL XXXX - Activity Course (1 Credit Hour)
WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Music with a Major in Performance and a Concentration in Vocal

Program Overview

A performance major prepares students for careers as instrumentalists in symphonic, jazz and popular styles; as singers in opera, theater, and popular music; and as solo recitalists, accompanists, private and college teachers, and church musicians.

augusta.edu/pamplin/music

Program Contact

Dr. Marcel Ramalho

706-737-1453

music@augusta.edu

Program Accreditation

The music unit is accredited by the National Association of Schools of Music.

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

A grade of C or better is required in all Field of Study, Bachelor of Music Performance Common Curriculum, and Vocal Performance Track Curriculum courses.

Program Information

Program Length: 4 Years

Academic Focus Area: Arts and Humanities [HUAR]

CIP Code: 50.0903

Program Code: 1BM-PERFORM

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 17 Hours

A grade of C or better is required in all of the following courses.

Lower-Division Theory Courses: 10 Hours

MUSI 1101 - Aural Skills I (2 Credit Hours)

MUSI 1102 - Aural Skills II (2 Credit Hours)

MUSI 1211 - Music Theory I (2 Credit Hours)

MUSI 1212 - Music Theory II (2 Credit Hours)

MUSI 1521 - Class Piano I (1 Credit Hour)

MUSI 1522 - Class Piano II (1 Credit Hour)

Lower-Division Applied Lessons: 4 Hours

MUSA 1XX1- Concentration Applied

MUSA 1XX2- Concentration Applied

MUSA 2XX3- Major Applied

Audition for Performance Major Passed

Major Ensembles: 3 Hours

MUSI 3620 - University Singers (0 to 1 Credit Hour)

MUSI 3620 - University Singers (0 to 1 Credit Hour)

MUSI 3620 - University Singers (0 to 1 Credit Hour)

Bachelor of Music in Performance Common Curriculum: 48 Hours

Grade of C or better is required in all these courses.

Applied Major Lessons: 10 Hours

At least 8 completed at upper-divisional level.

MUSA 2XX4- Major Applied

MUSA 3XX3- Major Applied

MUSA 3XX4- Major Applied

MUSA 4XX3- Major Applied

MUSA 4XX4- Major Applied

Upper-division Exam Passed

Recital Experience:

MUSI 1500 - Recital Laboratory (0 Credit Hours) (8 semesters minimum)

Junior/Senior Recital:

MUSA 3105 - Junior Voice Recital (0 Credit Hours)

MUSA 4105 - Senior Voice Recital (1 Credit Hour)

Studio Classes:

MUSA 2105 - Voice Studio Class (0 Credit Hours) (8 semesters minimum)

Music Theory Curriculum: 10 Hours

MUSI 2101 - Aural Skills III (2 Credit Hours)

MUSI 2211 - Music Theory III (2 Credit Hours)

MUSI 2102 - Aural Skills IV (2 Credit Hours)

MUSI 2212 - Music Theory IV (2 Credit Hours)

MUSI 3210 - Form and Analysis (1 Credit Hour)

MUSI 4210 - Instrumentation and Orchestration (1 Credit Hour)

Music History Curriculum: 8 Hours

MUSI 2230 - Introduction to Western Music Literature (2 Credit Hours)

MUSI 3340 - Music History I (3 Credit Hours)

MUSI 3350 - Music History II (3 Credit Hours)

Major Ensembles: 5 Hours

MUSI 3620 - University Singers (0 to 1 Credit Hour)

MUSI 3620 - University Singers (0 to 1 Credit Hour)

MUSI 3620 - University Singers (0 to 1 Credit Hour)

MUSI 3620 - University Singers (0 to 1 Credit Hour)

MUSI 3620 - University Singers (0 to 1 Credit Hour)

MUSI 3610 - Augusta University Wind Ensemble (0 to 1 Credit Hour)

MUSI 3620 - University Singers (0 to 1 Credit Hour)

MUSI 3630 - Augusta University Orchestra (0 to 1 Credit Hour)

Upper-Division Music Theory: 2 Hours

MUSI 3720 - Jazz Improvisation I (2 Credit Hours)

Miscellaneous Requirements: 6 Hours

MUSI 1810 - Music Technology (1 Credit Hour)
MUSI 2523 - Class Piano III (1 Credit Hour)
MUSI 2524 - Class Piano IV (1 Credit Hour)
MUSI 3560 - Fundamentals of Conducting (1 Credit Hour)

Upper-Division Music Elective (2 Credit Hours)

Vocal Performance Track Curriculum: 20 Hours

Grade of C or better is required in all these courses.

Pedagogy and Studio Teaching Practicum Experience: 2 Hours

Music History and Literature: 6 Hours

MUSI 4320 - Vocal Literature (2 Credit Hours)
MUSI 4330 - Opera Literature (2 Credit Hours)
MUSI XXXX- Elective (2 Credit Hours)

Small Ensembles: 2 Hours

MUSI XX6X
MUSI XX6X

Vocal Degree Language and Diction Requirement: 10 Hours

FREN 1001 - Elementary French I (3 Credit Hours)
GRMN 1001 - Elementary German I (3 Credit Hours)
MUSI 3511 - English Diction for Singers (1 Credit Hour)
MUSI 3512 - Italian Diction for Singers (1 Credit Hour)
MUSI 3513 - German Diction for Singers (1 Credit Hour)
MUSI 3514 - French Diction for Singers (1 Credit Hour)

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)
WELL XXXX - Activity Course (1 Credit Hour)
WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Science in Clinical Laboratory Science

Bachelor of Science in Clinical Laboratory Science Program Overview

The university grants a Bachelor of Science degree in Clinical Laboratory Science (Medical Laboratory Science/Medical Technology). Upon completion of the program, the graduates are eligible to take the Medical Laboratory Scientist (MLS) certification exam administered by the American Society for Clinical Pathology (ASCP). Students begin the CLS program in fall semester of their junior year, contingent upon completion of prerequisites either at this university or at another college (see Admission Requirements

below). Both on-campus and internet students have four semesters of classroom, laboratory and internships through clinical affiliates.

For the distance/WEB students, laboratories are conducted at a satellite laboratory in the Atlanta area or at the clinical affiliates. The clinical internships are conducted at affiliated clinical sites. Internet students are encouraged to identify possible internship sites convenient to them. The program of Clinical Laboratory Science will contact these sites to explore a clinical affiliation. The program requires computer capability and Internet connectivity.

augusta.edu/alliedhealth/allied-health-professions/clinical-laboratory-science

Program Contact

Jan Bane

706-721-4176

CLSProgram@augusta.edu

Program Accreditation

National Accrediting Agency for Clinical Laboratory Science

5600 N River Road

Suite 720

Rosemont, IL 60018-5119

Admissions Information

Please see the Office of Admissions website for specific admissions information and prerequisites.

Progression and Graduation Requirements

- Students must earn a grade of C or higher in all courses taken to remain in the program.
- Students must complete 61 hours of curriculum coursework, GA History and Legislative Requirements, as well as pass the departmental exit exam to graduate from the program.

Program Information

Program Length: 4 Years

Academic Focus Area: Health Professions [HEPR]

CIP Code: 51.1005

Program Code: BSCLS_CLS

Major Code: CLS

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

BIOL 1107 - Principles of Biology I (3 Credit Hours)

BIOL 1107L - Principles of Biology I Laboratory (1 Credit Hour)

CHEM 2410 - Chemistry of Organic and Biomolecules (4 Credit Hours)

or CHEM 3411 - Organic Chemistry I (3 Credit Hours) and CHEM 3411L - Organic Chemistry I Laboratory (1 Credit Hour)

KNHS 2300 - Introduction to Medical Terminology (3 Credit Hours)

or CLSC 3312 - Medical Terminology (2 Credit Hours)

Elective: any Math or Science course

Elective: any Math or Science course

Major Courses: 61 Hours

CAHS 4300 - Professional Issues and Ethics (1 Credit Hour)
 CLSC 3220 - Introduction to Clinical Laboratory Science Practice (3 Credit Hours)
 CLSC 3640 - Clinical Biochemistry (4 Credit Hours)
 CLSC 3645 - Clinical Biochemistry Laboratory (2 Credit Hours)
 CLSC 4440 - Clinical Microbiology (4 Credit Hours)
 CLSC 4445 - Clinical Microbiology Laboratory (2 Credit Hours)
 CLSC 4480 - Clinical Microbiology Internship (3 Credit Hours)
 CLSC 4501 - Seminar in CLS Evidence-Based Practice (1 Credit Hour)
 CLSC 4540 - Clinical Immunology (4 Credit Hours)
 CLSC 4680 - Clinical Biochemistry/Immunology Internship (5 Credit Hours)
 CLSC 4740 - Clinical Immunohematology (4 Credit Hours)
 CLSC 4745 - Clinical Immunohematology Laboratory (2 Credit Hours)
 CLSC 4780 - Clinical Immunohematology Internship (3 Credit Hours)
 CLSC 4840 - Clinical Hematology (4 Credit Hours)
 CLSC 4845 - Clinical Hematology Laboratory (2 Credit Hours)
 CLSC 4880 - Clinical Hematology Internship (3 Credit Hours)
 CLSC 4903 - Clinical Laboratory Science Review (3 Credit Hours)
 CLSC 4940 - Clinical Molecular Methods (3 Credit Hours)
 CLSC 4945 - Clinical Molecular Methods Laboratory (2 Credit Hours)
 MLIR 3320 - Principles of Education and Management (3 Credit Hours)
 MLIR 3510 - Applied Research and Statistics (3 Credit Hours)

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)
 WELL XXXX - Activity Course (1 Credit Hour)
 WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 125 Hours

Bachelor of Science in Clinical Laboratory Science for Certified MLTs/CLTs and the Military

Program Overview

This university grants a Bachelor of Science degree in Clinical Laboratory Science (Medical Laboratory Science/Medical Technology). Upon completion of the program, the graduates are eligible to take the Medical Laboratory Scientist (MLS) certification exam administered by the American Society for Clinical Pathology (ASCP). Students begin the CLS program in fall semester of their junior year, contingent upon completion of prerequisites either at this university or at another college (see Admission Requirements below). Both on-campus and internet students have four semesters of classroom, laboratory and internships through clinical affiliates.

For the distance/WEB students, laboratories are conducted at a satellite laboratory in the Atlanta area or at the clinical affiliates. The clinical internships are conducted at affiliated clinical sites. Internet students are encouraged to identify possible internship sites convenient to them. The program of Clinical Laboratory Science will contact these sites to explore a clinical affiliation. The program requires computer capability and Internet connectivity.

augusta.edu/alliedhealth/allied-health-professions/clinical-laboratory-science

Program Contact

Jan Bane
706-721-4176
CLSProgram@augusta.edu

Program Accreditation

National Accrediting Agency for Clinical Laboratory Science
5600 N River Road
Suite 720
Rosemont, IL 60018-5119

Admissions Information

- The program is offered to certified MLTs or CLTs or military laboratory professionals.
- Being certified as an MLT or CLT does not excuse the applicant from any prerequisite courses for the program included in Admission Requirements below.

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- In addition to demonstrating personal characteristics appropriate for a health professions career, students must satisfy essential functions. Visit the Clinical Laboratory Sciences website to review these requirements.
- Students must earn a grade of C or higher in all courses taken to remain in the program.
- Students must complete 61 hours of curriculum coursework, GA History and Legislative Requirements, as well as pass the departmental exit exam to graduate from the program.

Program Information

Program Length: 4 Years
Academic Focus Area: Health Professions [HEPR]
CIP Code: 51.1005
Program Code: BSCLS_CLS
Major Code: CLS

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

BIOL 1107 - Principles of Biology I (3 Credit Hours)
BIOL 1107L - Principles of Biology I Laboratory (1 Credit Hour)
CHEM 2410 - Chemistry of Organic and Biomolecules (4 Credit Hours)
or CHEM 3411 - Organic Chemistry I (3 Credit Hours) and CHEM 3411L - Organic Chemistry I Laboratory (1 Credit Hour)
KNHS 2300 - Introduction to Medical Terminology (3 Credit Hours)
or CLSC 3312 - Medical Terminology (2 Credit Hours)
Elective: any Math or Science course
Elective: any Math or Science course

Major Courses: 61 Hours

CAHS 4300 - Professional Issues and Ethics (1 Credit Hour)
CLSC 3220 - Introduction to Clinical Laboratory Science Practice (3 Credit Hours)
CLSC 3312 - Medical Terminology (2 Credit Hours)

CLSC 3640 - Clinical Biochemistry (4 Credit Hours)
 CLSC 3645 - Clinical Biochemistry Laboratory (2 Credit Hours)
 CLSC 4440 - Clinical Microbiology (4 Credit Hours)
 CLSC 4445 - Clinical Microbiology Laboratory (2 Credit Hours)
 CLSC 4480 - Clinical Microbiology Internship (3 Credit Hours)
 CLSC 4501 - Seminar in CLS Evidence-Based Practice (1 Credit Hour)
 CLSC 4680 - Clinical Biochemistry/Immunology Internship (5 Credit Hours)
 CLSC 4740 - Clinical Immunohematology (4 Credit Hours)
 CLSC 4745 - Clinical Immunohematology Laboratory (2 Credit Hours)
 CLSC 4780 - Clinical Immunohematology Internship (3 Credit Hours)
 CLSC 4840 - Clinical Hematology (4 Credit Hours)
 CLSC 4845 - Clinical Hematology Laboratory (2 Credit Hours)
 CLSC 4880 - Clinical Hematology Internship (3 Credit Hours)
 CLSC 4940 - Clinical Molecular Methods (3 Credit Hours)
 CLSC 4945 - Clinical Molecular Methods Laboratory (2 Credit Hours)
 MLIR 3220 - Principles of Education (2 Credit Hours)
 MLIR 3320 - Principles of Education and Management (3 Credit Hours)
 MLIR 3510 - Applied Research and Statistics (3 Credit Hours)

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)
 WELL XXXX - Activity Course (1 Credit Hour)
 WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 125 Hours

Bachelor of Science in Dental Hygiene

Bachelor of Science in Dental Hygiene

Program Overview

The program is a "2+2," meaning the student completes the first two years at any accredited college or university of choice, and the last two years on campus. All students begin the program fall semester of their junior year. The program includes classroom, laboratory and clinical education.

Policies on blood borne and infectious diseases are strictly enforced in the program. These policies are available to applicants for admission and for patients treated in the dental hygiene clinics.

augusta.edu/alliedhealth/allied-health-professions

Program Contact

Erin Boyleston
 706-721-2938
dentalhygiene@augusta.edu

Program Accreditation

Commission on Dental Accreditation of the American Dental Association
 211 East Chicago Ave.
 Chicago, Illinois 60611
 312-440-2500

Admissions Information

This program requires an additional admissions application beyond the regular Augusta University undergraduate admissions application. This program is an accredited 2+2 program, which means applicants must complete their freshmen and sophomore years (60 semester hours) at an accredited college/university of choice, and the junior and senior years (65 semester hours) on the Augusta University campus after being admitted to the program.

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Please note that PSYC 1101 and SOCI 1101 are requirements for admission to the Dental Hygiene Program.

Progression and Graduation Requirements

In addition to demonstrating personal characteristics appropriate for a health professions career, students must satisfy general and specific technical standards. Visit the department website above to review these requirements.

Program Information

Program Length: 4 Years (5 semesters)
Academic Focus Area: Health Professions [HEPR]
CIP Code: 51.0602
Program Code: BSDH1_DENH
Major Code: DENH

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Core IMPACTS Courses Specific to This Major:

PSYC 1101 and SOCI 1101 are requirements for the major and may also be used to fulfill the Social Sciences area of Core IMPACTS.

Field of Study Courses: 18 Hours

BIOL 2251 - Anatomy and Physiology I (4 Credit Hours)
BIOL 2252 - Anatomy and Physiology II (4 Credit Hours)
BIOL 2260 - Foundations of Microbiology (4 Credit Hours)
CHEM 1151 - Survey of Chemistry I (4 Credit Hours)
or CHEM 1211 - Principles of Chemistry I (3 Credit Hours)
and CHEM 1211L - Principles of Chemistry I Laboratory (1 Credit Hour) *

Elective: 3 Hours

Select one of the following:

PSYC 2103 - Introduction to Human Development (3 Credit Hours)
KNHS 2300 - Introduction to Medical Terminology (3 Credit Hours)
Any Math/Science course (3 Credit Hours)

**If the course listed has been taken in another area, another science course may be chosen to fulfill this area.*

Major Courses: 65 Hours

DHYG 3100 - Introduction to Clinic I (6 Credit Hours)
 DHYG 3105 - Theory and Practice I (3 Credit Hours)
 DHYG 3110 - Dental Anatomy (2 Credit Hours)
 DHYG 3115 - Applied Head and Neck Anatomy (2 Credit Hours)
 DHYG 3120 - Introduction to Clinic II (4 Credit Hours)
 DHYG 3125 - Theory and Practice II (3 Credit Hours)
 DHYG 3130 - Dental Radiology (3 Credit Hours)
 DHYG 3135 - Dental Microbiology (2 Credit Hours)
 DHYG 3140 - Periodontics Seminar (3 Credit Hours)
 DHYG 3150 - Dental Materials (1 Credit Hour)
 DHYG 3155 - Pain Management for the Dental Hygiene Patient (3 Credit Hours)
 DHYG 3200 - Patient Care I (6 Credit Hours)
 DHYG 3205 - Theory and Practice III (3 Credit Hours)
 DHYG 3220 - Dental Specialty Clinics I (1 Credit Hour)
 DHYG 3225 - Dental Materials Lab (1 Credit Hour)
 DHYG 3228 - Community Health and Research Design (3 Credit Hours)
 DHYG 3230 - Patient Care II (6 Credit Hours)
 DHYG 3235 - Theory and Practice IV (3 Credit Hours)
 DHYG 3240 - Pharmacology (3 Credit Hours)
 DHYG 3250 - Pathology (2 Credit Hours)
 DHYG 3255 - Dental Specialty Clinic II (1 Credit Hour)
 DHYG 3280 - Practice Management and Ethics (2 Credit Hours)
 DHYG 3285 - Dental Hygiene Practicum (2 Credit Hours)

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)
 WELL XXXX - Activity Course (1 Credit Hour)
 WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 129 Hours

Bachelor of Science in Dental Hygiene - Degree Completion Track

Note: This program (for those who are already dental hygienists) is not currently accepting applications; however, the Bachelor of Science in Dental Hygiene is accepting applications for new students. Visit the Dental Hygiene program webpage regarding program information.

Program Overview

The BS-DH Bachelor of Science Degree Completion Program is designed for dental hygiene graduates of accredited associate degree programs. The degree completion curriculum is offered completely online to accommodate students who are already gainfully employed. Prior to application, students are strongly encouraged to complete all University System of Georgia graduation and core curriculum requirements. Students must complete the core curriculum (60 hours) and Degree Completion Program (30 hours) before being awarded Professional Credit (30 hours) prior to graduation.

augusta.edu/alliedhealth/allied-health-professions/dental-hygiene

Program Contact

Erin Boyleston
706-721-2938
dentalhygiene@augusta.edu

Program Accreditation

Commission on Dental Accreditation of the American Dental Association
211 East Chicago Ave.
Chicago, Illinois 60611
312-440-2500

Admissions Information

See the Office of Admissions website augusta.edu/admissions for specific admissions information.

Progression and Graduation Requirements

In addition to demonstrating personal characteristics appropriate for a health professions career, students must satisfy general and specific technical standards. Visit the Dental Hygiene program website to review these requirements.

Program Information

Program Length: 4 Years
Academic Focus Area: Health Professions [HEPR]
CIP Code: 51.0602
Program Code: BSDH1_DENH

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

BIOL 2251 - Anatomy and Physiology I (4 Credit Hours)
BIOL 2252 - Anatomy and Physiology II (4 Credit Hours)
BIOL 2260 - Foundations of Microbiology (4 Credit Hours)
CHEM 1151 - Survey of Chemistry I (4 Credit Hours) or CHEM 1211 - Principles of Chemistry I (3 Credit Hours) and CHEM 1211L - Principles of Chemistry I Laboratory (1 Credit Hour)*
Elective Options: (any Math/Science course or PSYC 2103 - Introduction to Human Development (3 Credit Hours) or KNHS 2300 - Introduction to Medical Terminology (3 Credit Hours))

**If the course listed has been taken in another area, another science course may be chosen to fulfill this area.*

Major Courses: 30 Hours

Students will be able to start on any given semester and will have more opportunities to complete the program in two or more semesters if needed.

DHYG 4041 - Dental Hygiene Case Management (5 Credit Hours)
DHYG 4042 - Dental Informatics (5 Credit Hours)
DHYG 4043 - Public Health and Workforce Issues (5 Credit Hours)
DHYG 4044 - Assessment of Recognized Dental Specialties (5 Credit Hours)
DHYG 4045 - Current Issues in Periodontics (5 Credit Hours)
DHYG 4046 - Survey of Dental Sciences (5 Credit Hours)

Professional Credit: 30 Hours

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)

WELL XXXX - Activity Course (1 Credit Hour)

WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours**Bachelor of Science in Education****Bachelor of Science in Education with a Major in Elementary Education****Program Overview**

The teacher preparation programs at Augusta University place a strong emphasis on "hands-on" experiences with professional educators in actual classroom settings. Students should expect a field experience as a part of most courses in the preparation process. Clinical and field experiences are monitored for each student to ensure that they have had the opportunity to work with diverse populations in a wide variety of educational levels and settings.

augusta.edu/education/teaching-leading/bsed-elementary.php

Program Contact

Dr. Anthony Stawieri

astawieri@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

Due to the sensitive nature of working with children in the public schools, the Department of Public Safety at Augusta University will conduct a background review of all students at three specific points in the preparation program. The first check will be made as part of enrollment in EDUC 2110. Only students who present a record free of criminal and/or disciplinary activity will be allowed to enter a public school classroom. The second check will be made as part of the admission to Teacher Education process. The third check will be made as a prerequisite to entering the student teaching experience. Students who are admitted to the student teaching experience must have a record free of criminal and/or disciplinary activity.

All coursework must be successfully completed prior to Student Teaching.

Program Information

Program Length: 4 Years

Academic Focus Area: Education [EDUC]

CIP Code: 13.1210

Program Code: 1BSED-ELEM

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

EDUC 2110 - Investigating Critical and Contemporary Issues in Education (3 Credit Hours)

EDUC 2120 - Exploring Social-Cultural Perspectives on Diversity (3 Credit Hours)

EDUC 2130 - Exploring Learning and Teaching (3 Credit Hours)

ISCI 2001 - Life/Earth Sciences for Elementary Education (3 Credit Hours)

ISCI 2002 - Foundations of Physical Science (3 Credit Hours)

MATH 2008 - Foundations of Numbers and Operations (3 Credit Hours)

Major Courses: 60 Hours

ELED 3151 - Elementary Curriculum (3 Credit Hours)

ELED 3252 - Language Arts Curriculum (3 Credit Hours)

ELED 3271 - Using Children's Literature to Teach Reading (3 Credit Hours)

ELED 3161 - Classroom Management for Learning (3 Credit Hours)

ELED 3212 - Literacy I: Basic Literacy for Elementary Education (3 Credit Hours)

ELED 3231 - Elementary Science Education (3 Credit Hours)

ELED 3241 - Elementary Social Studies Education (3 Credit Hours)

ELED 4313 - Literacy II: Advanced Literacy Instruction for Elementary Education (3 Credit Hours)

ELED 4322 - Elementary Mathematics Education (3 Credit Hours)

ELED 4332 - STEAM Education (3 Credit Hours)

ELED 4352 - Educational Assessment for Learning (3 Credit Hours)

MATH 3241 - Mathematics for Early Childhood Teachers I (3 Credit Hours)

MATH 3242 - Mathematics for Early Childhood Teachers II (3 Credit Hours)

SPED 3002 - Teaching Students with Disabilities in the Inclusive Classroom (3 Credit Hours)

Elective (3 Credit Hours)

Student Teaching: 15 Hours

ELED 4491 - Elementary Culminating Residency (13 Credit Hours)

EDTD 4940 - Foundations of Reading Seminar (2 Credit Hours)

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)

WELL XXXX - Activity Course (1 Credit Hour)

WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Science in Education with a Major in Middle Grades Education

Program Overview

The teacher preparation programs at Augusta University place a strong emphasis on "hands-on" experiences with professional educators in actual classroom settings. Students should expect a field experience as a part of most courses in the preparation process. Clinical and field experiences are monitored for each student to ensure that they have had the opportunity to work with diverse populations in a wide variety of educational levels and settings.

augusta.edu/education/teaching-leading/bsed-middle-grades

Program Contact

Dr. Christi Pace
706-667-1496
chpace@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

Due to the sensitive nature of working with children in the public schools, the Department of Public Safety at Augusta University will conduct a background review of all students at three specific points in the preparation program. The first check will be made as part of enrollment in EDUC 2110. Only students who present a record free of criminal and/or disciplinary activity will be allowed to enter a public school classroom. The second check will be made as part of the admission to Teacher Education process. The third check will be made as a prerequisite to entering the student teaching experience. Students who are admitted to the student teaching experience must have a record free of criminal and/or disciplinary activity.

Program Information

Program Length: 4 Years
Academic Focus Area: Education [EDUC]
CIP Code: 13.1203
Program Code: 1BSED-MIDDLE-BSED

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

EDUC 2110 - Investigating Critical and Contemporary Issues in Education (3 Credit Hours)
EDUC 2120 - Exploring Social-Cultural Perspectives on Diversity (3 Credit Hours)
EDUC 2130 - Exploring Learning and Teaching (3 Credit Hours)

Additional Courses: 9 Hours

Following your concentration, select 9 hours from the Technology, Mathematics and Sciences area or Social Sciences area from the Core IMPACTS Courses.

** Mathematics concentration must have MATH 1113. MATH 2011, MATH 2012, and MATH 2013 are recommended.*

** Social Studies concentration must have GEOG 1111.*

** Language Arts concentration may select from ENGL 2121 or ENGL 2122.*

** Science concentration must select from the following courses if not selected previously: ASTR 1000, BIOL 1107, and CHEM 1211 or CHEM 1151.*

Major Concentration: 60 Hours

Core Courses: 21 Hours

EDTD 3200 - Assessment and Differentiation for Adolescent Learners (3 Credit Hours)
MGED 3100 - The Nature and Needs of the Middle Grades Learner (3 Credit Hours)
MGED 3200 - Active Learning in the Middle Grades Classroom (3 Credit Hours)
MGED 3222 - Integrated Reading to Learn (3 Credit Hours)

MGED 3300 - Middle Level Programs and Schools (3 Credit Hours)
 MGED 4200 - Classroom Management in Middle Grades (3 Credit Hours)
 SPED 3002 - Teaching Students with Disabilities in the Inclusive Classroom (3 Credit Hours)

Content Concentration Courses: 24 Hours

Select two of the following sets:

Language Arts Concentration: 12 Hours

EDTD 3221 - Adolescent English Pedagogy (3 Credit Hours)
 One 3000-4000 level ENGL Writing course (ENGL 3681 recommended)
 One 3000-4000 level ENGL Literature course (ENGL 3330 recommended)
 One 3000-4000 level ENGL course (ENGL 4712 recommended)

Mathematics Concentration: 12 Hours

EDTD 3231 - Adolescent Mathematics Pedagogy (3 Credit Hours)
 MATH 3261 - Mathematics for Middle School Teachers I (3 Credit Hours)
 MATH 3262 - Mathematics for Middle School Teachers II (3 Credit Hours)
 MATH 3263 - Mathematics for Middle School Teachers III (3 Credit Hours)

Social Studies Concentration: 12 Hours

EDTD 3241 - Adolescent Social Science Pedagogy (3 Credit Hours)
 HIST 3012 - World History Seminar (3 Credit Hours)
 HIST 3711 - Georgia History (3 Credit Hours)

Plus select one of the following:

HIST 3020 - Premodern Europe (3 Credit Hours)
 HIST 3111 - History and Culture of Africa (3 Credit Hours)
 HIST 3211 - History and Culture of East Asia (3 Credit Hours)
 HIST 3321 - Modern Europe: Revolutions (3 Credit Hours)
 HIST 3331 - Modern Europe: People (3 Credit Hours)
 HIST 3341 - Modern Europe: War and Diplomacy (3 Credit Hours)
 HIST 3431 - African American History to 1877 (3 Credit Hours)
 HIST 3441 - African American History since 1877 (3 Credit Hours)
 HIST 3471 - American Religious History (3 Credit Hours)
 HIST 3491 - Military History of the US (3 Credit Hours)
 HIST 3510 - Latin American Civilizations (3 Credit Hours)
 HIST 4111 - History of World Religions (3 Credit Hours)
 HIST 4411 - Revolutionary America (3 Credit Hours)
 HIST 4421 - Civil War and Reconstruction (3 Credit Hours)
 HIST 4471 - Old South/New South (3 Credit Hours) (if HIST 3711 wasn't taken)
 HIST 4491 - The American West (3 Credit Hours)
 HIST 4501 - African Americans, Africa & the African Diaspora (3 Credit Hours)
 HIST 4521 - The Long Civil Rights Movement (3 Credit Hours)
 POLS 3101 - Comparative European Governments (3 Credit Hours)
 POLS 4902 - World Politics (3 Credit Hours)
 POLS 4904 - Politics of Latin America (3 Credit Hours)
 POLS 4930 - Model UN II (3 Credit Hours)

Science Concentration: 12 Hours

EDTD 3241 - Adolescent Social Science Pedagogy (3 Credit Hours)

Required Science Courses

If already taken for the Core IMPACT Curriculum or Field of Study courses, select from the Optional Science Courses list.

ASTR 1000 - Introduction to the Universe (4 Credit Hours)
 BIOL 1107 - Principles of Biology I (3 Credit Hours)

CHEM 1151 - Survey of Chemistry I (4 Credit Hours) or
CHEM 1211 - Principles of Chemistry I (3 Credit Hours)

Optional Science Courses

BIOL 1108 - Principles of Biology II (3 Credit Hours)
BIOL 4100 - Principles of Ecology (4 Credit Hours)
CHEM 1212 - Principles of Chemistry II (3 Credit Hours)
GEOG 1112 - Introduction to Weather and Climate (4 Credit Hours)
GEOL 1121 - Introductory Geosciences I: Physical Geology (4 Credit Hours)
GEOL 1122 - Introductory Geosciences II: Historical Geology (4 Credit Hours)
PHSC 1011 - Physical Science (4 Credit Hours)
PHYS 1111 - Introductory Physics I (3 Credit Hours)
PHYS 1112 - Introductory Physics II (3 Credit Hours)

Student Teaching: 15 Hours

EDTD 4940 - Foundations of Reading Seminar (2 Credit Hours)
MGED 4210 - Middle Grades Culminating Residency (13 Credit Hours)

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)
WELL XXXX - Activity Course (1 Credit Hour)
WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Science in Education with a Major in Special Education

Program Overview

The teacher preparation programs at Augusta University place a strong emphasis on "hands-on" experiences with professional educators in actual classroom settings. Students should expect a field experience as a part of most courses in the preparation process. Clinical and field experiences are monitored for each student to ensure that they have had the opportunity to work with diverse populations in a wide variety of educational levels and settings.

augusta.edu/education/teaching-leading/bsed-special-ed

Program Contact

Dr. Jessica Simpson
706-737-1496

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- Due to the sensitive nature of working with children in the public schools, the Department of Public Safety at Augusta University will conduct a background review of all students at three specific points in the preparation program. The first check will be made as part of enrollment in EDUC 2110. Only students who present a record free of criminal and/or disciplinary activity will be allowed to enter a

public school classroom. The second check will be made as part of the admission to Teacher Education process. The third check will be made as a prerequisite to entering the student teaching experience. Students who are admitted to the student teaching experience must have a record free of criminal and/or disciplinary activity.

- In addition to classroom seat time, all Special Education courses have a required 25-hour field experience with P-12 students.
- All coursework must be successfully completed prior to student teaching.
- Successful completion of appropriate GACE assessments is required prior to graduation and licensure.

Program Information

Program Length: 4 Years

Academic Focus Area: Education [EDUC]

CIP Code: 13.1001

Program Code: 1BSED-SPECE

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

EDTD 2011 - Educational Technology (3 Credit Hours)

EDUC 2110 - Investigating Critical and Contemporary Issues in Education (3 Credit Hours)

EDUC 2120 - Exploring Social-Cultural Perspectives on Diversity (3 Credit Hours)

EDUC 2130 - Exploring Learning and Teaching (3 Credit Hours)

Concentration Course (3 Credit Hours) *

Concentration Course (3 Credit Hours) *

**With advisor, select from 1000 or 2000 options in Math, Language Arts, Science, or Social Science in your selected content concentration.*

Major Courses: 30 Hours

SPED 3001 - Policies and Procedures in Special Education (3 Credit Hours)

SPED 3003 - Educational Assessment in Special Education (3 Credit Hours)

SPED 3004 - Collaboration and Consultation in Special Education (3 Credit Hours)

SPED 3005 - Educational Planning for Exceptional Students (3 Credit Hours)

SPED 3006 - Language Development and Communication Disorders (3 Credit Hours)

SPED 3008 - Assessment and Instruction in Literacy for Students with Mild Disabilities (3 Credit Hours)

SPED 3009 - Family and Community Engagement for Exceptional Children (3 Credit Hours)

SPED 3110 - Characteristics of Students with Mild Disabilities (3 Credit Hours)

SPED 3120 - Methods of Instruction for Students with Mild Disabilities (3 Credit Hours)

SPED 3130 - Classroom and Behavior Management (3 Credit Hours)

Content Area Course: 3 Hours

Select one content concentration course from the list below with advisor approval.

Mathematics

MATH 3261 - Mathematics for Middle School Teachers I (3 Credit Hours) (preferred)

MATH 3262 - Mathematics for Middle School Teachers II (3 Credit Hours) (preferred)

MATH 3263 - Mathematics for Middle School Teachers III (3 Credit Hours) (preferred)

Any MATH 2000, 3000, or 4000 level course

Language Arts

One 3000/4000 level ENGL writing course (ENGL 3681 is recommended)

One 3000/4000 level ENGL literature course (ENGL 3330 is recommended if not taken for SPED program course)

One 3000/4000 level ENGL course (ENGL 4712 is recommended)

One 2000 level ENGL course

Social Studies

Select any ANTH, ECON, GEOG, HIST, PHIL, POLS, PSYC, or SOCI course not already taken.

Recommended: HIST 3012, HIST 3111, HIST 3211, HIST 3431, HIST 3711, HIST 3811, HIST 4111, HIST 4391, POLS 3101, POLS 4902, POLS 4904.

Science

Select any Science course not already taken. Recommended: ASTR 1000 and BIOL 1107 and CHEM 1211 or BIOL 1108, BIOL 2251, BIOL 2252, BIOL 4100, CHEM 1151, CHEM 1212, GEOG 1112, GEOL 1121, GEOL 1122, PHSC 1011, PHYS 1111, PHYS 1112.

Instruction and Content Courses: 9 Hours

Select 3 courses from the recommended listed below. These courses should be selected with your advisor with a focus on improving your instruction and content knowledge.

ELED 3271, ELED 4322, ENGL 3330, MATH 3261, MATH 3262, MATH 3263, MGED 3222

Or any 1000, 2000, 3000, or 4000 level ANTH, ECON, ENGL, GEOG, HIST, MATH, PHIL, POLS, PSYC, SOCI, or a Science course not previously taken as a part of the Core IMPACTS Curriculum or Field of Study courses.

Elective: 3 Hours

Select one 3-hour course in any area/field. Recommended: SPED 3002, COUN 3660, MGED 3100, or any PSYC course not already taken.

Student Teaching: 15 Hours

SPED 4491 - Student Teaching in Special Education (13 Credit Hours)

EDTD 4940 - Foundations of Reading Seminar (2 Credit Hours)

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)

WELL XXXX - Activity Course (1 Credit Hour)

WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Science in Health Information Administration

Bachelor of Science in Health Information Administration

Program Overview

The Bachelor of Science in Health Information Administration (HIA) program is a "2+2" program, meaning the student completes the first two years at any accredited college of choice and the last two years as an HIA student at Augusta University. Students begin the HIA program fall semester of their junior year. Students who complete the program are eligible to take the national registration exam to become a Registered Health Information Administrator. This B.S. degree program is offered in an on-campus setting or completely online.

augusta.edu/alliedhealth/allied-health-professions

Program Contact

Lori Prince
706-721-4650
lpince@augusta.edu

Program Accreditation

Commission on Accreditation for Health Informatics and Information Management Education
c/o AHIMA
233 N. Michigan Ave, Suite 2150
Chicago, IL 60601
312-233-1131

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

In addition to demonstrating personal characteristics appropriate for a health professions career, students must satisfy general and specific technical standards for this program. View these requirements on the department website above.

Program Information

Program Length: 4 Years
Academic Focus Area: Health Professions [HEPR]
CIP Code: 51.0706
Program Code: BSHIA_HINA
Major Code: HINA

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

ACCT 2101 - Principles of Accounting I (3 Credit Hours)

BIOL 2251 - Anatomy and Physiology I (4 Credit Hours)
 BIOL 2252 - Anatomy and Physiology II (4 Credit Hours)
 MINF 2201 - Microcomputer Applications (3 Credit Hours)

Electives: 4 Hours

Select from the following:

ACCT 2102 - Principles of Accounting II (3 Credit Hours)
 AIST 2120 - Intermediate Scripting and Automation (3 Credit Hours)
 AIST 2220 - Introduction to Web Development (3 Credit Hours)
 AIST 2310 - Introduction to Computer Networking (3 Credit Hours)
 AIST 2950 - Special Topics in Information Technology (3 Credit Hours)
 BUSA 1105 - Introduction to Business and Professional Skills (3 Credit Hours)
 CSCI 1200 - Introduction to Computers and Programming (3 Credit Hours)
 CSCI 1210 - Introduction to Java Programming (3 Credit Hours)
 CSCI 1301 - Principles of Computer Programming I (4 Credit Hours)
 CSCI 1302 - Principles of Computer Programming II (3 Credit Hours)
 CSCI 2120 - Introduction to C# Programming (3 Credit Hours)
 CSCI 2320 - Introduction to Computer Networking (3 Credit Hours)
 CSCI 2330 - System Administration (3 Credit Hours)
 CSCI 2700 - Ethics in Computer Science (2 Credit Hours)
 CSCI 2950 - Selected Topics (1 to 3 Credit Hours)
 CSCI 2980 - Applications Seminar (1 Credit Hour)
 KNHS 2100 - Introduction to Nutrition (3 Credit Hours)
 KNHS 2200 - CPR, First Aid and Sport Safety (1 Credit Hour)
 KNHS 2300 - Introduction to Medical Terminology (3 Credit Hours)
 KNHS 2350 - Health and PE at Early Childhood (2 Credit Hours)
 MATH 1113 - Precalculus Mathematics (3 Credit Hours)
 MATH 1220 - Applied Calculus (3 Credit Hours)
 MATH 1401 - Elementary Statistics (3 Credit Hours)
 MATH 1950 - Selected Topics (1 to 3 Credit Hours)
 MATH 2008 - Foundations of Numbers and Operations (3 Credit Hours)
 MATH 2011 - Calculus and Analytical Geometry I (4 Credit Hours)
 MATH 2011H - Honors: Calculus and Analytical Geometry I (4 Credit Hours)
 MATH 2012 - Calculus and Analytical Geometry II (4 Credit Hours)
 MATH 2013 - Calculus and Analytical Geometry III (4 Credit Hours)
 MATH 2030 - Logic and Set Theory (3 Credit Hours)
 MATH 2950 - Selected Topics (1 to 3 Credit Hours)
 MGMT 2106 - Legal and Ethical Environment of Business (3 Credit Hours)
 PSYC 2101 - Introduction to Psychology of Adjustment (3 Credit Hours)
 PSYC 2103 - Introduction to Human Development (3 Credit Hours)
 PSYC 2150 - Introduction to Human Diversity (3 Credit Hours)
 PSYC 2990 - Undergraduate Research (1 to 4 Credit Hours)
 SOCI 1160 - Social Problems Analysis (3 Credit Hours)
 SOCI 2241 - Social and Cultural Diversity (3 Credit Hours)
 SOCI 2950 - Selected Topics (1 to 3 Credit Hours)

Major Courses: 60 Hours

HINF 3101 - Principles of Healthcare Management (3 Credit Hours)
 HINF 3102 - Human Resource Management for Healthcare (3 Credit Hours)
 HINF 3209 - Principles of Health Informatics and Information Management (4 Credit Hours)
 HINF 3213 - Healthcare Data Management & Analytics (4 Credit Hours)
 HINF 3315 - Clinical Foundations in Health Informatics and Information Management (5 Credit Hours)
 HINF 3316 - Medical Terminology for Health Informatics and Information Management (3 Credit Hours)
 HINF 4106 - Health Informatics and Information Management Leadership Capstone (4 Credit Hours)
 HINF 4107 - Healthcare Finance & Revenue Cycle Management (4 Credit Hours)
 HINF 4209 - Health Law and Ethics (3 Credit Hours)

HINF 4418 - Coding Classifications & Compliance (4 Credit Hours)
HINF 4520 - Electronic Health Information Systems (4 Credit Hours)
HINF 4521 - Advanced Health Information Systems (4 Credit Hours)
HINF 4723 - Project Management in Healthcare (6 Credit Hours)
MINF 2650 - Principles of Data Management and Analysis (3 Credit Hours)
MINF 3650 - Information Systems (3 Credit Hours)
STAT 4020 - Statistics and Research Methodology (3 Credit Hours)

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)
WELL XXXX - Activity Course (1 Credit Hour)
WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Science in Information Technology

Bachelor of Science in Information Technology

Program Overview

The Information Technology (IT) curriculum provides students with a broad foundation of technical skills and understanding. The core curriculum covers both theoretical and applied concepts, including computer programming, networking, cybersecurity, web design, data management and analysis, system analysis and design, IT infrastructure, and project management. The remainder of the curriculum is highly flexible, which allows students to personalize their learning experience to obtain the necessary skills and knowledge needed for their desired career path.

augusta.edu/ccs/bs-it

Program Contact

Dr. Gursimran Walia
706-721-1110
ccs@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- A grade of C or better in all Field of Study and Major Required courses.
- Students must take and pass MATH 1401 with a C or better.

Program Information

Program Length: 4 Years
Academic Focus Area: Computing [ITCS]
CIP Code: 11.0103
Program Code: 1BSIT-IT
Major Code: IT

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

A grade of C or better is required in all courses listed below.

AIST 2120 - Intermediate Scripting and Automation (3 Credit Hours)
CSCI 1301 - Principles of Computer Programming I (4 Credit Hours)
CSCI 2700 - Ethics in Computer Science (2 Credit Hours)
CYBR 2600 - Introduction to Networking and Cyber Security (4 Credit Hours)
MATH 2020 - Introduction to Discrete Mathematics (3 Credit Hours)
MINF 2650 - Principles of Data Management and Analysis (3 Credit Hours)

Major Courses: 24 Hours

A grade of C or better is required in all courses listed below.

AIST 2220 - Introduction to Web Development (3 Credit Hours)
AIST 3310 - Advanced Networking (3 Credit Hours)
AIST 3410 - Database Management Systems (3 Credit Hours)
AIST 3610 - System Analysis and Design (3 Credit Hours)
AIST 3720 - Operating System Concepts and Administration (3 Credit Hours)
AIST 4820 - Information Technology Project (3 Credit Hours)
COMM 3100 - Communications for Professionals (3 Credit Hours)
MINF 3625 - Project Management (3 Credit Hours)

Major Electives: 21 Hours

Select from the following. A grade of C or better is required in all courses listed below.

CSCI 1302 - Principles of Computer Programming II (3 Credit Hours)
AIST 3XXX or 4XXX
CSCI 3XXX or 4XXX
CYBR 3XXX or 4XXX

Free Electives: 15 Hours

CYBR 2600 - Introduction to Networking and Cyber Security (4 Credit Hours) (1 Hour)
Non-WELL Electives (14 Hours)

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)
WELL XXXX - Activity Course (1 Credit Hour)
WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Science in Information Technology with a Concentration in Business

Program Overview

The Information Technology curriculum provides students with a broad foundation of technical abilities and understanding. The concentration in business, offered in collaboration with the Hull College of Business, provides students with a deeper understanding of core business concepts, functions and processes, including economics, accounting, management and marketing. It is ideal for students seeking to create technology-enabled solutions to critical business challenges.

augusta.edu/ccs/bs-it

Program Contact

Dr. Gursimran Walia
706-721-1110
ccs@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- A grade of C or better required in all Field of Study, Major Requirements, Concentration, and Concentration Elective courses
- Students must take MATH 1401 and pass with a C or better
- Students must take either ECON 1810, ECON 2105, or ECON 2106 and pass with a C or better

Program Information

Program Length: 4 Years
Academic Focus Area: Computing [ITCS]
CIP Code: 11.0103
Program Code: 1BSIT-IT
Major Code: IT
Concentration Code: ITBU

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

A grade of C or better is required in all courses listed below.

AIST 2110 - Principles of Scripting (3 Credit Hours)
AIST 2120 - Intermediate Scripting and Automation (3 Credit Hours)
CSCI 2700 - Ethics in Computer Science (2 Credit Hours)
CYBR 2600 - Introduction to Networking and Cyber Security (4 Credit Hours)
MATH 2020 - Introduction to Discrete Mathematics (3 Credit Hours)
MINF 2650 - Principles of Data Management and Analysis (3 Credit Hours)

Major Courses: 24 Hours

A grade of C or better is required in all courses listed below.

AIST 2220 - Introduction to Web Development (3 Credit Hours)
 AIST 3310 - Advanced Networking (3 Credit Hours)
 AIST 3410 - Database Management Systems (3 Credit Hours)
 AIST 3610 - System Analysis and Design (3 Credit Hours)
 AIST 3720 - Operating System Concepts and Administration (3 Credit Hours)
 AIST 4820 - Information Technology Project (3 Credit Hours)
 COMM 3100 - Communications for Professionals (3 Credit Hours)
 MINF 3625 - Project Management (3 Credit Hours)

Concentration Courses

Concentration Required Courses: 15 Hours

A grade of C or better is required in all courses listed below.

ACCT 2101 - Principles of Accounting I (3 Credit Hours)
 MGMT 2106 - Legal and Ethical Environment of Business (3 Credit Hours)
 MGMT 3500 - Management Theory and Practice (3 Credit Hours)
 MKTG 3700 - Principles of Marketing (3 Credit Hours)
 QUAN 4630 - Business Analytics (3 Credit Hours)

Concentration Electives: 6 Hours

Select from the following. A grade of C or better is required in all courses listed below.

BUSA 3XXX or 4XXX
 FINC 3XXX or 4XXX
 MGMT 3XXX or 4XXX
 MKTG 3XXX or 4XXX
 QUAN 3XXX or 4XXX

Free Electives: 15 Hours

Select 15 hours from any non-WELL courses.

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)
 WELL XXXX - Activity Course (1 Credit Hour)
 WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Science in Kinesiology

Bachelor of Science in Kinesiology with a Concentration in Exercise and Sports Science

Program Overview

The Exercise and Sport Science concentration is designed to provide a strong science-based academic preparation for students who wish to pursue study in physical fitness and training. This concentration is also appropriate for students desiring to enter a graduate program in exercise science, exercise physiology, or who plan to work in fitness and cardiac rehabilitation professions.

augusta.edu/education/kinesiology/exercise-sports-science-bsk

Program Contact

Dr. Hannah Bennett

706-737-1468

habennett@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

A grade of C or better is required in all Field of Study, Major, and Concentration courses.

Program Information

Program Length: 4 Years

Academic Focus Area: Health Professions [HEPR]

CIP Code: 31.0505

Program Code: 1BSK-KINES

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

BIOL 2251 - Anatomy and Physiology I (4 Credit Hours)

BIOL 2252 - Anatomy and Physiology II (4 Credit Hours)

KNHS 2100 - Introduction to Nutrition (3 Credit Hours)

MATH 1401 - Elementary Statistics (3 Credit Hours)

Field of Study Elective: 4 Hours

Select from the following:

BIOL 1XXX or BIOL 2XXX

CHEM 1XXX or BIOL 2XXX

PHYS 1XXX or PHYS 2XXX

PHYS 1111 - Introductory Physics I (3 Credit Hours) (*recommended*)

PHYS 1111L - Introductory Physics I Laboratory (1 Credit Hour) (*recommended*)

Major Courses: 30 Hours

KNHS 3100 - Introduction to Kinesiology and Health Science (3 Credit Hours)

KNHS 3210 - Motor Behavior (3 Credit Hours)

KNHS 3220 - Structural Kinesiology (3 Credit Hours)

KNHS 3310 - Sport and Exercise Psychology (3 Credit Hours)

KNHS 3319 - Exercise Physiology (3 Credit Hours)

KNHS 4210 - Fitness Assessment and Exercise Prescription (3 Credit Hours)

KNHS 4960 - Internship in Kinesiology and Health Promotion (12 Credit Hours)

Concentration Courses: 18 Hours

KNHS 3300 - Practicum in Kinesiology (3 Credit Hours)

KNHS 4230 - Biomechanics (3 Credit Hours)

KNHS 4240 - Strength Training and Conditioning (3 Credit Hours)

KNHS 4350 - Nutrition in Health and Human Performance (3 Credit Hours)

KNHS 3XXX or 4XXX (3 Credit Hours)

KNHS 3XXX or 4XXX (3 Credit Hours)

Electives: 12 Hours

Select any of the following applicable courses with advisement:

BIOL 2260 - Foundations of Microbiology (4 Credit Hours)

BIOL 1XXX, BIOL 3XXX, or BIOL 4XXX

BUSA 3XXX or BUSA 4XXX

CHEM 1XXX, CHEM 3XXX, or CHEM 4XXX

ECON 3XXX or ECON 4XXX

FINC 3XXX or FINC 4XXX

KNHS 3XXX or KNHS 4XXX

MGMT 3XXX or MGMT 4XXX

MILS 3XXX or MILS 4XXX

PHYS 1XXX, PHYS 3XXX, or PHYS 4XXX

PSYC 3XXX or PSYC 4XXX

SOCI 3XXX or SOCI 4XXX

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)

WELL XXXX - Activity Course (1 Credit Hour)

WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Science in Kinesiology with a Concentration in Health Science

Program Overview

This is a comprehensive training program for students interested in pursuing a graduate degree related to public health, occupational therapy, or physician's assistant. It also prepares students to work as general health educators in health promotion/wellness programs at fitness/wellness facilities and/or corporations.

augusta.edu/education/kinesiology/health-science-bsk

Program Contact

Dr. Hannah Bennett

706-737-1468

habennett@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

A grade of C or better is required in all Field of Study, Major, and Concentration courses.

Program Information

Program Length: 4 Years

Academic Focus Area: Health Professions [HEPR]

CIP Code: 31.0505

Program Code: 1BSK-KINES-BSK

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

BIOL 2251 - Anatomy and Physiology I (4 Credit Hours)
 BIOL 2252 - Anatomy and Physiology II (4 Credit Hours)
 KNHS 2100 - Introduction to Nutrition (3 Credit Hours)
 MATH 1401 - Elementary Statistics (3 Credit Hours)

Field of Study Elective: 4 Hours

Select from the following:

BIOL 1XXX or BIOL 2XXX
 CHEM 1XXX or BIOL 2XXX
 PHYS 1XXX or PHYS 2XXX
 PHYS 1111 - Introductory Physics I (3 Credit Hours) (*recommended*)
 BIOL 2260 - Foundations of Microbiology (4 Credit Hours) (*recommended*)

Major Courses: 30 Hours

KNHS 3100 - Introduction to Kinesiology and Health Science (3 Credit Hours)
 KNHS 3210 - Motor Behavior (3 Credit Hours)
 KNHS 3220 - Structural Kinesiology (3 Credit Hours)
 KNHS 3310 - Sport and Exercise Psychology (3 Credit Hours)
 KNHS 3319 - Exercise Physiology (3 Credit Hours)
 KNHS 4210 - Fitness Assessment and Exercise Prescription (3 Credit Hours)
 KNHS 4960 - Internship in Kinesiology and Health Promotion (12 Credit Hours)

Concentration Courses: 18 Hours

KNHS 2300 - Introduction to Medical Terminology (3 Credit Hours)
 KNHS 3311 - Sexuality, Gender, and Health in the Professional Workplace (3 Credit Hours)
 KNHS 3312 - Current Issues in Health and Diseases (3 Credit Hours)
 KNHS 3420 - Instructional Strategies in Health Science (3 Credit Hours)
 KNHS 3XXX or 4XXX (3 Credit Hours)
 KNHS 3XXX or 4XXX (3 Credit Hours)

Electives: 12 Hours

Select any of the following applicable courses with advisement:

BIOL 2260 - Foundations of Microbiology (4 Credit Hours)
 BIOL 1XXX, BIOL 3XXX, or BIOL 4XXX
 BUSA 3XXX or BUSA 4XXX
 CHEM 1XXX, CHEM 3XXX, or CHEM 4XXX
 ECON 3XXX or ECON 4XXX
 FINC 3XXX or FINC 4XXX
 KNHS 3XXX or KNHS 4XXX
 MGMT 3XXX or MGMT 4XXX
 MILS 3XXX or MILS 4XXX
 PHYS 3XXX or PHYS 4XXX
 PSYC 3XXX or PSYC 4XXX
 SOCI 3XXX or SOCI 4XXX

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)

WELL XXXX - Activity Course (1 Credit Hour)

WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Science in Kinesiology with a Concentration in Medical Professions

Program Overview

The Bachelor of Science in Kinesiology with a concentration in Medical Professions will provide students with an undergraduate degree option that focuses on entering a healthcare field of study. Students interested in medicine or medical school, physician assistant programs, dentistry, or other medical professions may be successful in this program.

augusta.edu/education/kinesiology/medical-professions-bsk

Program Contact

Dr. Madison Kindred

706-737-1468

mkindred@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- In Field of Study, Major, Concentration, and Electives, student must earn a grade of "C" or better.
- Students must pass the kinesiology exit exam during the internship semester.

Program Information

Program Length: 4 Years

Academic Focus Area: Health Professions [HEPR]

CIP Code: 31.0505

Program Code: 1BSK-KINES

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

BIOL 2251 - Anatomy and Physiology I (4 Credit Hours)

BIOL 2252 - Anatomy and Physiology II (4 Credit Hours)

KNHS 2100 - Introduction to Nutrition (3 Credit Hours)

MATH 1401 - Elementary Statistics (3 Credit Hours)

Field of Study Elective: 4 Hours

Select from the following:

BIOL 1XXX or BIOL 2XXX

CHEM 1XXX or BIOL 2XXX
 PHYS 1XXX or PHYS 2XXX
 PHYS 1111 - Introductory Physics I (3 Credit Hours) (*recommended*)
 PHYS 1111L - Introductory Physics I Laboratory (1 Credit Hour) (*recommended*)

Major Courses: 30 Hours

KNHS 3100 - Introduction to Kinesiology and Health Science (3 Credit Hours)
 KNHS 3210 - Motor Behavior (3 Credit Hours)
 KNHS 3220 - Structural Kinesiology (3 Credit Hours)
 KNHS 3310 - Sport and Exercise Psychology (3 Credit Hours)
 KNHS 3319 - Exercise Physiology (3 Credit Hours)
 KNHS 4210 - Fitness Assessment and Exercise Prescription (3 Credit Hours)
 KNHS 4960 - Internship in Kinesiology and Health Promotion (12 Credit Hours)

Concentration Courses: 30 Hours

Concentration Required Courses: 11 Hours

CHEM 1212 - Principles of Chemistry II (3 Credit Hours)
 CHEM 1212L - Principles of Chemistry II Laboratory (1 Credit Hour)
 CHEM 3411 - Organic Chemistry I (3 Credit Hours)
 CHEM 3411L - Organic Chemistry I Laboratory (1 Credit Hour)
 CHEM 4551 - Biochemistry I: Physical Biochemistry (3 Credit Hours)

Concentration Electives: 19 Hours

Select 19 hours from the following with guidance from advisor:

BIOL 2260 - Foundations of Microbiology (4 Credit Hours)
 CHEM 3412 - Organic Chemistry II (3 Credit Hours)
 CHEM 3412L - Organic Chemistry II Laboratory (1 Credit Hour)
 KNHS 2300 - Introduction to Medical Terminology (3 Credit Hours)
 PHYS 1112 - Introductory Physics II (3 Credit Hours)
 PHYS 1112L - Introductory Physics II Laboratory (1 Credit Hour)
 PSYC 2103 - Introduction to Human Development (3 Credit Hours)
 PSYC 3143 - Abnormal Psychology (3 Credit Hours)
 BIOL 1XXX, BIOL 3XXX, or BIOL 4XXX
 BUSA 3XXX or BUSA 4XXX
 CHEM 1XXX, CHEM 3XXX, or CHEM 4XXX
 ECON 3XXX or ECON 4XXX
 FINC 3XXX or FINC 4XXX
 KNHS 3XXX or KNHS 4XXX
 MGMT 3XXX or MGMT 4XXX
 MILS 3XXX or MILS 4XXX
 PHYS 3XXX or PHYS 4XXX
 PSYC 3XXX or PSYC 4XXX
 SOCI 3XXX or SOCI 4XXX

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)
 WELL XXXX - Activity Course (1 Credit Hour)
 WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Science in Kinesiology with a Concentration in Nutrition

Program Overview

The Bachelor of Science in Kinesiology with a concentration in Nutrition provides students with an undergraduate degree option that focuses on work in helping others to pursue healthy lifestyles through nutritional methods. Students who are interested in topics like preventative health, dietetics, disease prevention, community or food service, and general health and wellness may be successful in this program.

Students with a concentration in Nutrition will have the knowledge and skills that will prepares them to apply for accredited master's programs with dietetic internships. Please note, though, that it does not meet the requirements for application to a dietetic internship to become a registered dietitian.

augusta.edu/education/kinesiology/nutrition-bsk

Program Contact

Dr. Hannah Bennett

706-737-1468

habennett@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

A grade of C or better is required in All Major Classes: Field of Study, Upper-division Electives, Required Courses.

Program Information

Program Length: 4 Years

Academic Focus Area: Health Professions [HEPR]

CIP Code: 31.0505

Program Code: 1BSK-KINES

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

BIOL 2251 - Anatomy and Physiology I (4 Credit Hours)

BIOL 2252 - Anatomy and Physiology II (4 Credit Hours)

KNHS 2100 - Introduction to Nutrition (3 Credit Hours)

MATH 1401 - Elementary Statistics (3 Credit Hours)

Field of Study Elective: 4 Hours

Select from the following:

BIOL 1XXX or BIOL 2XXX

CHEM 1XXX or BIOL 2XXX

PHYS 1XXX or PHYS 2XXX

BIOL 2260 - Foundations of Microbiology (4 Credit Hours) (*recommended*)

Major Courses: 30 Hours

KNHS 3100 - Introduction to Kinesiology and Health Science (3 Credit Hours)
 KNHS 3210 - Motor Behavior (3 Credit Hours)
 KNHS 3220 - Structural Kinesiology (3 Credit Hours)
 KNHS 3310 - Sport and Exercise Psychology (3 Credit Hours)
 KNHS 3319 - Exercise Physiology (3 Credit Hours)
 KNHS 4210 - Fitness Assessment and Exercise Prescription (3 Credit Hours)
 KNHS 4960 - Internship in Kinesiology and Health Promotion (12 Credit Hours)

Concentration Courses: 30 Hours

Required Concentration Courses: 20 Hours

KNHS 3312 - Current Issues in Health and Diseases (3 Credit Hours)
 KNHS 3420 - Instructional Strategies in Health Science (3 Credit Hours)
 KNHS 4350 - Nutrition in Health and Human Performance (3 Credit Hours)
 CHEM 3411 - Organic Chemistry I (3 Credit Hours)
 CHEM 3411L - Organic Chemistry I Laboratory (1 Credit Hour)
 CHEM 3412 - Organic Chemistry II (3 Credit Hours)
 CHEM 3412L - Organic Chemistry II Laboratory (1 Credit Hour)
 CHEM 4551 - Biochemistry I: Physical Biochemistry (3 Credit Hours)

Concentration Electives: 10 Hours

Select 10 hours from the following with guidance from advisor:

ANTH 4541 - Food and Culture (3 Credit Hours)
 BIOL 2260 - Foundations of Microbiology (4 Credit Hours)
 BIOL 1XXX, BIOL 3XXX, or BIOL 4XXX
 BUSA 3XXX or BUSA 4XXX
 CHEM 1XXX, CHEM 3XXX, or CHEM 4XXX
 ECON 3XXX or ECON 4XXX
 FINC 3XXX or FINC 4XXX
 KNHS 3XXX or KNHS 4XXX
 MGMT 3XXX or MGMT 4XXX
 MILS 3XXX or MILS 4XXX
 PHYS 3XXX or PHYS 4XXX
 PSYC 3XXX or PSYC 4XXX
 SOCI 3XXX or SOCI 4XXX

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)
 WELL XXXX - Activity Course (1 Credit Hour)
 WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Science in Kinesiology with a Concentration in Pre-Physical Therapy Program Overview

The Pre-Physical Therapy concentration is an excellent preparatory program for graduate study in physical therapy, as well as post-baccalaureate study in exercise physiology and cardiac rehabilitation. Students learn the principles of measurement/evaluation as they relate to injury assessment and rehabilitation, principles of exercise physiology to prescribe safe and effective rehabilitation programs, and identify preventative techniques.

augusta.edu/education/kinesiology/pre-physical-therapy-bsk

Program Contact

Dr. Hannah Bennett

706-737-1468

habennett@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

A grade of C or better is required in all Field of Study, Major, and Concentration courses.

Program Information

Program Length: 4 Years

Academic Focus Area: Health Professions [HEPR]

CIP Code: 31.0505

Program Code: 1BSK-KINES

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

BIOL 2251 - Anatomy and Physiology I (4 Credit Hours)

BIOL 2252 - Anatomy and Physiology II (4 Credit Hours)

KNHS 2100 - Introduction to Nutrition (3 Credit Hours)

MATH 1401 - Elementary Statistics (3 Credit Hours)

Field of Study Elective: 4 Hours

Select from the following:

BIOL 1XXX or BIOL 2XXX

CHEM 1XXX or BIOL 2XXX

PHYS 1XXX or PHYS 2XXX

CHEM 1151 - Survey of Chemistry I (4 Credit Hours) (*recommended*)

CHEM 1211 - Principles of Chemistry I (3 Credit Hours) (*recommended*)

PHYS 1111 - Introductory Physics I (3 Credit Hours) (*recommended*)

Major Courses: 30 Hours

KNHS 3100 - Introduction to Kinesiology and Health Science (3 Credit Hours)

KNHS 3210 - Motor Behavior (3 Credit Hours)

KNHS 3220 - Structural Kinesiology (3 Credit Hours)

KNHS 3310 - Sport and Exercise Psychology (3 Credit Hours)

KNHS 3319 - Exercise Physiology (3 Credit Hours)

KNHS 4210 - Fitness Assessment and Exercise Prescription (3 Credit Hours)

KNHS 4960 - Internship in Kinesiology and Health Promotion (12 Credit Hours)

Concentration Courses: 30 Hours

Required Concentration Courses: 21 Hours

KNHS 2300 - Introduction to Medical Terminology (3 Credit Hours)

KNHS 3300 - Practicum in Kinesiology (3 Credit Hours)

KNHS 3312 - Current Issues in Health and Diseases (3 Credit Hours)
 KNHS 4230 - Biomechanics (3 Credit Hours)
 MATH 1113 - Precalculus Mathematics (3 Credit Hours)
 PSYC 2103 - Introduction to Human Development (3 Credit Hours)
 PSYC 3143 - Abnormal Psychology (3 Credit Hours)

Concentration Electives: 9 Hours

Select 9 hours from the following with guidance from advisor:

BIOL 2260 - Foundations of Microbiology (4 Credit Hours)
 BIOL 1XXX, BIOL 3XXX, or BIOL 4XXX
 BUSA 3XXX or BUSA 4XXX
 CHEM 1XXX, CHEM 3XXX, or CHEM 4XXX
 ECON 3XXX or ECON 4XXX
 FINC 3XXX or FINC 4XXX
 KNHS 3XXX or KNHS 4XXX
 MGMT 3XXX or MGMT 4XXX
 MILS 3XXX or MILS 4XXX
 PHYS 3XXX or PHYS 4XXX
 PSYC 3XXX or PSYC 4XXX
 SOCI 3XXX or SOCI 4XXX

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)
 WELL XXXX - Activity Course (1 Credit Hour)
 WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Science in Nursing

Bachelor of Science in Nursing

Program Overview

The BSN program provides students the knowledge, skills, and abilities to function effectively in all areas of nursing practice through quality instruction and clinical experiences. Clinical experiences encompass not only acute care settings but also community and home care, ambulatory care, and primary care settings. The program provides students with the opportunity to apply didactic knowledge in a variety of hands-on and simulated clinical settings and lays the groundwork for continuing one's professional education at the graduate level. Upon successful completion of the BSN program, graduates are eligible to take the National Council Licensure Examination for Registered Nurses (NCLEX) offered by the National Council of State Boards of Nursing. The BSN program is taught on Augusta and Athens campuses. An Accelerated Bachelor of Science in Nursing is also available.

augusta.edu/nursing/bsn

Program Contact

Ms. Sarah Thomas
 Ms. Shannon Hallingquest
 706-721-4862
bsn@augusta.edu

Admissions Information

This program requires an additional admissions application beyond the regular Augusta University undergraduate admissions application. This program is an accredited 2+2 program, which means applicants must complete their freshmen and sophomore years (60 semester hours) at an accredited college/university of choice, and the junior and senior years (64 semester hours) on the Augusta University campus after being admitted to the program. For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- A grade of C or better required in all Core IMPACTS Courses, Field of Study, Lower-division, and Upper-division courses.
- Lower-division courses may be used in the Core Curriculum.

Program Information

Program Length: 4 Years

Academic Focus Area: Health Professions [HEPR]

CIP Code: 51.3801

Program Code: BSN_NURS

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

The following courses should be taken as part of Core IMPACTS. A grade of C or better is required in all courses below.

MATH 1111 - College Algebra (3 Credit Hours)

or MATH 1113 - Precalculus Mathematics (3 Credit Hours)

or MATH 2011 - Calculus and Analytical Geometry I (4 Credit Hours)

or MATH 2011H - Honors: Calculus and Analytical Geometry I (4 Credit Hours)

Field of Study Courses: 18 Hours

Grade of C or better required in the courses listed below.

BIOL 2251 - Anatomy and Physiology I (4 Credit Hours)

BIOL 2252 - Anatomy and Physiology II (4 Credit Hours)

BIOL 2260 - Foundations of Microbiology (4 Credit Hours)

PSYC 2103 - Introduction to Human Development (3 Credit Hours)

Guided Elective

Select one course from the Technology, Mathematics, and Sciences area of Core IMPACTS (if not already used) or select one of the following:

MILS 2021 - Leadership and Teamwork (3 Credit Hours)

POLS 2401 - Introduction to Global Issues (3 Credit Hours)

PSYC 1101 - Introduction to General Psychology (3 Credit Hours)

PSYC 2150 - Introduction to Human Diversity (3 Credit Hours)

SOCI 1101 - Introduction to Sociology (3 Credit Hours)

SOCI 1160 - Social Problems Analysis (3 Credit Hours)

SOCI 2241 - Social and Cultural Diversity (3 Credit Hours)

SOWK 2100 - Social Welfare History and Philosophy (3 Credit Hours)

SPAN 1001 - Elementary Spanish I (3 Credit Hours)

SPAN 1002 - Elementary Spanish II (3 Credit Hours)

Major Courses: 60 Hours

A grade of C or better is required in all courses listed below.

NURS 3800 - Essentials of Pathophysiology (3 Credit Hours)
 NURS 3801 - Health Assessment Across the Lifespan (3 Credit Hours)
 NURS 3802 - Introduction to Nursing Practice (7 Credit Hours)
 NURS 3803 - Health Promotion and Nutrition (2 Credit Hours)
 NURS 3804 - Essentials of Pharmacology (3 Credit Hours)
 NURS 3805 - Adult Health Nursing I (6 Credit Hours)
 NURS 3806 - Geriatric Nursing (3 Credit Hours)
 NURS 3807 - Introduction to Nursing Research (3 Credit Hours)
 NURS 4800 - Mental Health Nursing (3 Credit Hours)
 NURS 4801 - Adult Health Nursing II (6 Credit Hours)
 NURS 4802 - Maternal Child Nursing (6 Credit Hours)
 NURS 4803 - Leadership, Management, and Contemporary Nursing Topics (3 Credit Hours)
 NURS 4804 - Synthesis of Advanced Nursing Concepts (3 Credit Hours)
 NURS 4805 - Community and Public Health Nursing (4 Credit Hours)
 NURS 4806 - Transition to Professional Nursing Practice (5 Credit Hours)

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)
 WELL XXXX - Activity Course (1 Credit Hour)
 WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Science in Radiologic Sciences

Bachelor of Science in Radiologic Sciences with a Major in Nuclear Medicine Technology

Program Overview

The Nuclear Medicine Technology B.S.R.S. degree program is a 2+2 transfer program. Sixty credit hours of freshman and sophomore core courses are completed at the college of choice, after which the applicant applies to transfer to the university for the N.M.T. professional component during the junior and senior years.

There are two tracks in the program, a resident track in Augusta and a distance track for North, West, and Central Georgia. Clinical affiliates are located in Augusta, Athens, Atlanta, Gainesville, and Columbus, Georgia. Academic course work and clinical attendance require 40 hours per week, regardless of locale.

augusta.edu/alliedhealth/allied-health-professions/nuclear-medicine-technology

Program Contact

Amy Yarshen
ayarshen@augusta.edu

Program Accreditation

Nuclear Medicine Technology
 Joint Review Committee on Educational Programs in Nuclear Medicine Technology

2000 W. Danforth Rd., Ste 130 #203
Edmond, OK 73003
Tel: 405-285-0546
Fax: 405-285-0579
www.jrcnmt.org

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

Students must have access to a highspeed (DSL or cable) personal computer. Most student and faculty communication, projects and research require Internet interaction and many lectures are presented online for repeated viewing. Faculty and technical staff are available for technical and instructional support seven days a week.

In addition to demonstrating personal characteristics appropriate for a health professions career, students must satisfy general and specific technical standards.

Program Information

Program Length: 4 Years
Academic Focus Area: Health Professions [HEPR]
CIP Code: 51.0905
Program Code: BSRS_NUMT
Major Code: NUMT

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

CHEM 1151 - Survey of Chemistry I (4 Credit Hours) *
KNHS 2300 - Introduction to Medical Terminology (3 Credit Hours)
PHYS 1111 - Introductory Physics I (3 Credit Hours) *
PHYS 1111L - Introductory Physics I Laboratory (1 Credit Hour) *
Math/Science Elective (1-3 Credit Hours)

** CHEM 1151 and/or PHYS 1111/PHYS 1111L are required in Field of Study Courses if not taken as science sequence or elective in the Technology, Mathematics and Sciences area of Core IMPACTS. Applicants must have a chemistry with laboratory and a physics with laboratory. If these are counted in Technology, Mathematics and Sciences, then the credit may be fulfilled by any unused course listed in Technology, Mathematics and Sciences, or from any of the 1000 or 2000 numbered PHYS, CHEM, MATH, and/or CSCI courses identified. Technology, Mathematics and Sciences courses may not include "Topics" or "Research" courses, such as CHEM 1000 and PHYS 1010, which are allowable in Technology, Mathematics and Sciences as an elective.*

Major Courses: 64 Hours

NMMT 3100 - Introduction to Patient Care (2 Credit Hours)
NMMT 3105 - Introduction to Patient Care Lab (1 Credit Hour)
NMMT 3210 - Radiation Protection and Biology (4 Credit Hours)
NMMT 3215 - Radiation Protection and Bio Lab (1 Credit Hour)
NMMT 3320 - Information Technology & Clinical Services Delivery (1 Credit Hour)
NMMT 3400 - Physics of Nuclear Medicine (4 Credit Hours)
NMMT 3600 - Introduction to Nuclear Cardiology (3 Credit Hours)

NMMT 3605 - Physics of Nuclear Medicine Lab (1 Credit Hour)
 NMMT 3611 - Principles and Practice of Nuclear Medicine I (3 Credit Hours)
 NMMT 3612 - Principles and Practices of Nuclear Medicine II (3 Credit Hours)
 NMMT 3621 - Principles and Practice of Nuclear Medicine Laboratory I (1 Credit Hour)
 NMMT 3622 - Principles and Practice of Nuclear Medicine Lab II (1 Credit Hour)
 NMMT 3631 - Applied Research I (1 Credit Hour)
 NMMT 3641 - Clinical Internship (3 Credit Hours)
 NMMT 3642 - Clinical Internship (3 Credit Hours)
 NMMT 3643 - Clinical Internship (5 Credit Hours)
 NMMT 4120 - Principles and Instrumentation of CT (3 Credit Hours)
 NMMT 4140 - Advanced Patient Care (1 Credit Hour)
 NMMT 4160 - Pathology for Radiologic Sciences (2 Credit Hours)
 NMMT 4300 - Professional Issues and Ethics (1 Credit Hour)
 NMMT 4400 - Sectional Anatomy (2 Credit Hours)
 NMMT 4500 - Radiopharmacy for Nuclear Medicine Technology (3 Credit Hours)
 NMMT 4600 - Advance Practice in Nuclear Medicine I (2 Credit Hours)
 NMMT 4610 - Advanced Practice in Nuclear Medicine Laboratory I (1 Credit Hour)
 NMMT 4620 - Research Design and Statistical Methods (2 Credit Hours)
 NMMT 4623 - Clinical Correlation in Nuclear Medicine (3 Credit Hours)
 NMMT 4631 - Applied Research III (1 to 4 Credit Hours)
 NMMT 4641 - Clinical Practicum (2 Credit Hours)
 NMMT 4642 - Clinical Practicum (2 Credit Hours)
 NMMT 4650 - Advanced Practice in Nuclear Medicine II (3 Credit Hours)
 NMMT 4651 - Advanced Practice of Nuclear Medicine Lab II (1 to 4 Credit Hours)

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)
 WELL XXXX - Activity Course (1 Credit Hour)
 WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 128 Hours

Bachelor of Science in Radiologic Sciences with a Major in Radiation Therapy

Program Overview

Radiation Therapy is the use of high-energy ionizing radiation to treat cancer and some benign diseases. The goal of radiation therapy is to damage the cancer cells' DNA and destroy its ability to divide and grow, while sparing the surrounding normal tissue. This may be accomplished using highly sophisticated equipment to deliver external beam radiation or using brachytherapy in which radioactive sources are placed inside the patient on a temporary or permanent basis. Radiation Therapy may be used to cure cancer or to relieve pain and other symptoms associated with cancer.

augusta.edu/alliedhealth/allied-health-professions/radiation-therapy

Program Contact

Kevin Kindle
 706-721-4179
RTTprogram@augusta.edu

Program Accreditation

Radiation Therapy
Joint Review Committee on Education in Radiologic Technology
20 N.Wacker Drive, Suite 2850
Chicago, IL 60606-3182
312-704-5300
www.jrcert.org

Admissions Information

See the Office of Admissions website augusta.edu/admissions for specific admissions information.

Progression and Graduation Requirements

In addition to demonstrating personal characteristics appropriate for a health professions career, students must satisfy general and specific technical standards. Visit the website above to review these requirements.

Program Information

Program Length: 4 Years
Academic Focus Area: Health Professions [HEPR]
CIP Code: 51.0907
Program Code: BSRS_RADT
Major Code: RADT

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

BIOL 2251 - Anatomy and Physiology I (4 Credit Hours)
BIOL 2252 - Anatomy and Physiology II (4 Credit Hours)
KNHS 2300 - Introduction to Medical Terminology (3 Credit Hours)
or RADT 2312 - Medical Terminology (3 Credit Hours)
Math or Science Elective (4 Credit Hours)
Math or Science Elective (3 Credit Hours)

Major Courses: 60 Hours

RADT 3100 - Introduction to Patient Care (2 Credit Hours)
RADT 3105 - Introduction to Patient Care Lab (1 Credit Hour)
RADT 3210 - Radiation Protection and Biology (3 Credit Hours)
RADT 3601 - Principles of Radiation Oncology (4 Credit Hours)
RADT 3641 - Radiation Oncology Clinical Internship I (4 Credit Hours)
RADT 3642 - Radiation Oncology Clinical Internship II (4 Credit Hours)
RADT 3643 - Radiation Oncology Clinical Internship III (6 Credit Hours)
RADT 4120 - Principles and Instrumentation of CT (3 Credit Hours)
RADT 4160 - Pathology for Radiologic Sciences (2 Credit Hours)
RADT 4300 - Professional Issues and Ethics (1 Credit Hour)
RADT 4400 - Sectional Anatomy (2 Credit Hours)
RADT 4501 - Seminar in Radiation Oncology Evidence Based Practice (2 Credit Hours)
RADT 4614 - Radiation Oncology Procedures (2 Credit Hours)
RADT 4615 - Radiation Oncology Seminar (3 Credit Hours)
RADT 4621 - Cancer Management in Radiology Oncology (3 Credit Hours)
RADT 4640 - Radiation Oncology Clinical Internship IV (4 Credit Hours)
RADT 4642 - Radiation Oncology Clinical Internship V (4 Credit Hours)

RADT 4648 - Applied Project (3 Credit Hours)
RADT 4800 - Physics of Radiation Oncology (3 Credit Hours)
RADT 4820 - Radiation Oncology Dosimetry (3 Credit Hours)
RADT 4825 - Radiation Oncology Dosimetry Lab (1 Credit Hour)

Electives: 1-4 Hours

RADT 4600 - Applied Research (1 to 4 Credit Hours)

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)

WELL XXXX - Activity Course (1 Credit Hour)

WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Science in Respiratory Therapy

Bachelor of Science in Respiratory Therapy

Program Overview

The Bachelor of Science in Respiratory Therapy program is a 2+2 program, meaning that the student completes the first two years at any accredited college or university of choice, and the last two years at Augusta University. All 2+2 students begin the program in the fall semester after completing a core curriculum. The program consists of five semesters and includes classroom and clinical education.

Only 18% of therapists have a BS in Respiratory Therapy. Therapists with a BS are able to work in fields such as pharmaceutical sales or management which command higher salaries.

augusta.edu/alliedhealth/allied-health-professions/respiratory-therapy

Program Contact

Kitty Hernlen, EdD, RRT

706-721-8741

khernlen@augusta.edu

Program Accreditation

Commission on Accreditation for Respiratory Care

1248 Harwood Road

Bedford, Texas 76012-4244

817-283-2835

<http://www.CoARC.com>

Admissions Information

See the Office of Admissions website augusta.edu/admissions for specific admissions information.

Progression and Graduation Requirements

In addition to demonstrating personal characteristics appropriate for a health professions career, students must satisfy general and specific technical standards. Visit the Respiratory Therapy website above to review these requirements.

Program Information

Program Length: 4 Years
 Academic Focus Area: Health Professions [HEPR]
 CIP Code: 51.0908
 Program Code: BSRPT_RESP
 Major Code: RESP

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

Major Courses: 66 Hours

CAHS 3110 - Human Physiology (3 Credit Hours)
 RTHP 3100 - Foundations of Respiratory Care (3 Credit Hours)
 RTHP 3204 - Fundamentals of Respiratory Care Practice I (3 Credit Hours)
 RTHP 3208 - Fundamentals of Respiratory Care Practice Lab I (2 Credit Hours)
 RTHP 3304 - Fundamentals of Respiratory Care Practice II (3 Credit Hours)
 RTHP 3308 - Fundamentals of Respiratory Care Practice Lab II (1 Credit Hour)
 RTHP 3322 - Clinical Aspects of Cardiopulmonary Disease for the Respiratory Therapist I (3 Credit Hours)
 RTHP 3525 - Clinic I (3 Credit Hours)
 RTHP 3560 - Diagnostic Testing in Respiratory Care (3 Credit Hours)
 RTHP 3601 - Community and Public Health Respiratory Therapy (3 Credit Hours)
 RTHP 4114 - Introduction to Ventilator-Patient Management (3 Credit Hours)
 RTHP 4117 - Introduction to Ventilator-Patient Management Lab (1 Credit Hour)
 RTHP 4124 - Neonatal and Pediatric Respiratory Care (3 Credit Hours)
 RTHP 4127 - Neonatal and Pediatric Respiratory Care Lab (2 Credit Hours)
 RTHP 4422 - Clinical Aspects of Cardiopulmonary Disease for the Respiratory Therapist II (3 Credit Hours)
 RTHP 4426 - Clinic II (3 Credit Hours)
 RTHP 4514 - Advanced Ventilator-Patient Management Techniques (3 Credit Hours)
 RTHP 4517 - Advanced Ventilator-Patient Management Lab (1 Credit Hour)
 RTHP 4525 - Advanced Clinic I (4 Credit Hours)
 RTHP 4526 - Advanced Clinic II (3 Credit Hours)
 RTHP 4527 - Advanced Clinic III - Externship (11 Credit Hours)
 RTHP 4540 - Research in Health Care (3 Credit Hours)
 RTHP 4601 - Professional and Ethical Issues in Respiratory Therapy (3 Credit Hours)

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)
 WELL XXXX - Activity Course (1 Credit Hour)
 WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 130 Hours

Bachelor of Science

Bachelor of Science with a Major in Biology

Program Overview

The major in biology provides a broad education in the fundamentals of biology via the classroom setting and through hands-on learning in laboratories and at field sites. The curriculum prepares students for graduate school and professional programs such as medicine, dentistry, veterinary medicine, pharmacy, and related fields. To enhance professional development and employment potential, students are encouraged to obtain specialized training by participating in basic and applied research in ecology, genetics, microbiology, plant physiology, aquatic biology, cell and molecular biology, physiology, cancer biology, and more.

augusta.edu/scimath/biological-sciences

Program Contact

Dr. Amy Abdulovic-Cui

706-729-1539

biology@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- Double or triple majors, or major-minor combinations, that combine biology and/or cell and molecular biology are not permitted.
- A grade of C or better is required in all Field of Study, Required Lower-division, Major Concentration, and Upper-division Elective courses.
- Satisfactory completion of the ETS Major Field Test
- If a student does not successfully complete a biology course after two attempts (i.e., they receive a D, F, W, or WF), the student will be limited to specific registration times for any subsequent attempts. Any student meeting these criteria will not be allowed to register for the course until the last day of late registration. Appeals may be made to the Chair of the Department of Biological Sciences in hardship cases.
- Major Concentration hours & Upper Elective hours must total at least 39 hours.

Program Information

Program Length: 4 Years

Academic Focus Area: Science and Mathematics [STEM]

CIP Code: 26.0101

Program Code: 1BS-BIOLOGY

Major Code: BIOL

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

Grade of C or better is required in all of the following courses.

BIOL 1107 - Principles of Biology I (3 Credit Hours)
 BIOL 1107L - Principles of Biology I Laboratory (1 Credit Hour)
 BIOL 1108 - Principles of Biology II (3 Credit Hours)
 BIOL 1108L - Principles of Biology II Laboratory (1 Credit Hour)
 CHEM 1211 - Principles of Chemistry I (3 Credit Hours)
 CHEM 1211L - Principles of Chemistry I Laboratory (1 Credit Hour)
 CHEM 1212 - Principles of Chemistry II (3 Credit Hours)
 CHEM 1212L - Principles of Chemistry II Laboratory (1 Credit Hour)

Select one of the following:

BUSA 1105 - Introduction to Business and Professional Skills (3 Credit Hours)
 CHEM 2410 - Chemistry of Organic and Biomolecules (4 Credit Hours)
 CSCI 1200 - Introduction to Computers and Programming (3 Credit Hours)
 CSCI 1210 - Introduction to Java Programming (3 Credit Hours)
 CSCI 1301 - Principles of Computer Programming I (4 Credit Hours)
 ENGL 2680 - Professional and Technical Writing (3 Credit Hours)
 MATH 2011 - Calculus and Analytical Geometry I (4 Credit Hours)
 MILS 1021 - Basic Leadership (3 Credit Hours)
 MILS 2011 - Individual Leadership Studies (3 Credit Hours)
 MILS 2021 - Leadership and Teamwork (3 Credit Hours)
 MINF 2201 - Microcomputer Applications (3 Credit Hours)
 Foreign Language course

Required Lower-Division Courses: 2-16 Hours

May be used in the Core IMPACTS Curriculum and spill over hours from Field of Study Courses

Grade of C or better is required in all of these courses.

1. MATH 1401 - Elementary Statistics (3 Credit Hours)
2. CHEM 2410 - Chemistry of Organic and Biomolecules (4 Credit Hours)
 or CHEM 3411 - Organic Chemistry I (3 Credit Hours) and CHEM 3411L - Organic Chemistry I Laboratory (1 Credit Hour)
3. PHYS 1111 - Introductory Physics I (3 Credit Hours), PHYS 1111L - Introductory Physics I Laboratory (1 Credit Hour) and PHYS 1112 - Introductory Physics II (3 Credit Hours), PHYS 1112L - Introductory Physics II Laboratory (1 Credit Hour) or PHYS 2211 - Principles of Physics I (4 Credit Hours) and PHYS 2212 - Principles of Physics II (4 Credit Hours)

Major Concentration: 28 Hours Minimum

A grade of C or better is required in all these courses.

BIOL 3000 - General Botany (4 Credit Hours)
 BIOL 3100 - Zoology (4 Credit Hours)
 BIOL 3200 - Genetics (3 Credit Hours)
 BIOL 3400 - Cell Biology (3 Credit Hours)
 BIOL 3700 - Molecular Biology Laboratory (3 Credit Hours)
 BIOL 4100 - Principles of Ecology (4 Credit Hours)

Select two additional upper-division biology courses. At least one must be a 4 hour course.

Upper-Division Electives: 10 Hours Minimum

A Grade of C or better is required in all these courses. To be chosen with the assistance of the student's faculty advisor.

Free Electives: 5-16 Hours

As needed to complete the credit hours required for graduation. Select from any non-WELL courses.

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)

WELL XXXX - Activity Course (1 Credit Hour)

WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Science with a Major in Biology and a Concentration in Ecology

Program Overview

The major in biology provides a broad education in the fundamentals of biology via the classroom setting and through hands-on learning in laboratories and at field sites. The curriculum prepares students for graduate school and professional programs such as medicine, dentistry, veterinary medicine, pharmacy, and related fields. To enhance professional development and employment potential, students are encouraged to obtain specialized training by participating in basic and applied research in ecology, genetics, microbiology, plant physiology, aquatic biology, cell and molecular biology, physiology, cancer biology, and more.

The focus on ecology courses for the concentration provides students with the opportunity to intensively explore current diverse topics such as biodiversity, aquatic resources, environmental pollution, toxicology, invasive species, natural resource conservation, and sustainability; and through unique laboratory and field experiences they will learn state of the art techniques in experimental methodologies for monitoring, sampling, and accessing ecosystems.

augusta.edu/scimath/biological-sciences

Program Contact

Dr. Amy Abdulovic-Cui

706-729-1539

biology@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- Double or triple majors, or major-minor combinations, that combine biology and/or cell and molecular biology are not permitted.
- A grade of C or better is required in all Field of Study, Required Lower-division, Major Concentration, and Upper-division Elective courses.
- Satisfactory completion of the ETS Major Field Test
- If a student does not successfully complete a biology course after two attempts (i.e., they receive a D, F, W, or WF), the student will be limited to specific registration times for any subsequent attempts. Any student meeting these criteria will not be allowed to register for the course until the last day of late registration. Appeals may be made to the Chair of the Department of Biological Sciences in hardship cases.
- Major Concentration hours and Upper Elective hours must total at least 39 hours.

Program Information

Program Length: 4 Years

Academic Focus Area: Science and Mathematics [STEM]

CIP Code: 26.0101

Program Code: 1BS-BIOLOGY

Major Code: BIOL

Concentration Code: ECOL

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

A grade of C or better is required in all Field of Study courses.

Required Field of Study Courses

BIOL 1107 - Principles of Biology I (3 Credit Hours)

BIOL 1107L - Principles of Biology I Laboratory (1 Credit Hour)

BIOL 1108 - Principles of Biology II (3 Credit Hours)

BIOL 1108L - Principles of Biology II Laboratory (1 Credit Hour)

CHEM 1211 - Principles of Chemistry I (3 Credit Hours)

CHEM 1211L - Principles of Chemistry I Laboratory (1 Credit Hour)

CHEM 1212 - Principles of Chemistry II (3 Credit Hours)

CHEM 1212L - Principles of Chemistry II Laboratory (1 Credit Hour)

Elective Field of Study Course

Select one of the following:

BUSA 1105 - Introduction to Business and Professional Skills (3 Credit Hours)

CHEM 2410 - Chemistry of Organic and Biomolecules (4 Credit Hours)

CSCI 1200 - Introduction to Computers and Programming (3 Credit Hours)

CSCI 1210 - Introduction to Java Programming (3 Credit Hours)

CSCI 1301 - Principles of Computer Programming I (4 Credit Hours)

ENGL 2680 - Professional and Technical Writing (3 Credit Hours)

MATH 2011 - Calculus and Analytical Geometry I (4 Credit Hours)

MILS 1021 - Basic Leadership (3 Credit Hours)

MILS 2011 - Individual Leadership Studies (3 Credit Hours)

MILS 2021 - Leadership and Teamwork (3 Credit Hours)

MINF 2201 - Microcomputer Applications (3 Credit Hours)

Foreign Language Course

Major Courses: 18-19 Hours

BIOL 3000 - General Botany (4 Credit Hours)

BIOL 3100 - Zoology (4 Credit Hours)

BIOL 3200 - Genetics (3 Credit Hours)

or BIOL 3400 - Cell Biology (3 Credit Hours)

BIOL 4100 - Principles of Ecology (4 Credit Hours)

BIOL 3000- or 4000-Level Elective Course (3 or 4 Credit Hours)

Concentration Courses: 11 to 12 Hours

Required Concentration Course

BIOL 4150 - Evolutionary Biology (4 Credit Hours)

Elective Concentration Courses

Select two of the following. One must be a 4-credit course.

BIOL 3380 - Animal Behavior (4 Credit Hours)

BIOL 3810 - Ecotoxicology (4 Credit Hours)
 BIOL 3820 - Marine Pollution (4 Credit Hours)
 BIOL 3050 - Economic Botany (4 Credit Hours)
 BIOL 4000 - Plant Physiology (4 Credit Hours)
 BIOL 4110 - Urban Ecology (4 Credit Hours)
 BIOL 4120 - Community Field Ecology (4 Credit Hours)
 BIOL 4420 - Herpetology (4 Credit Hours)
 BIOL 4430 - Ornithology (4 Credit Hours)
 BIOL 4500 - Ichthyology (4 Credit Hours)
 BIOL 4520 - Marine Biology (4 Credit Hours)
 BIOL 4540 - Marine Ecology (4 Credit Hours)
 BIOL 4950 - Selected Topics (1 to 10 Credit Hours)

Free Electives: 28 to 31 Hours

Upper-Division Electives – select any 3000 or 4000 level courses (14 Credit Hours)
 Free Electives - select any courses (14 to 17 Credit Hours)

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)
 WELL XXXX - Activity Course (1 Credit Hour)
 WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Science with a Major in Biomedical Systems Engineering

Program Overview

The Bachelor of Science with a Major in Biomedical Systems Engineering (BMSE) is a four-year degree program offered by the School of Computer and Cyber Sciences (SCCS), located in the Georgia Cyber Center. The program concentrates on the biomedical and health informatics systems focused on people, processes, and organizations in healthcare. This program is aimed at improving the understanding and management of biomedicine systems and the ability to develop digital healthcare-oriented systems and technologies, with security and integrity guarantees.

augusta.edu/ccs/bs-biomedical-systems-engineering

Program Contact

Dr. Jeffrey Morris
 706-721-1110
jefmorris@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- A grade of C or better is required in all Field of Study, Major Requirements, Concentration, and Major Elective courses
- Students must take PHIL 2030 and pass with a C or better

- Students must take ECON 2105 or ECON 2106 and pass with a C or better

Program Information

Program Length: 4 Years

Academic Focus Area: Science and Mathematics [STEM]

CIP Code: 14.0501

Program Code: 1BS-BSEN

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

A grade of C or better is required in all courses listed below.

MATH 2011 - Calculus and Analytical Geometry I (4 Credit Hours)

MATH 2012 - Calculus and Analytical Geometry II (4 Credit Hours)

MATH 2013 - Calculus and Analytical Geometry III (4 Credit Hours)

CSCI 1301 - Principles of Computer Programming I (4 Credit Hours)

CYBR 2600 - Introduction to Networking and Cyber Security (4 Credit Hours)

ENGR 2060 - Programming for Science and Engineering (4 Credit Hours)

Major Courses: 50 Hours

BIOL 2251 - Anatomy and Physiology I (4 Credit Hours)

BMSE 1901 - Introduction to Biomedical System Engineering (3 Credit Hours)

BMSE 2101 - Overview of Health Systems & Processes (3 Credit Hours)

BMSE 3501 - Biomedical System Security (3 Credit Hours)

BMSE 4901 - Senior Design 1 (3 Credit Hours)

BMSE 4902 - Senior Design 2 (2 Credit Hours)

CHEM 1211 - Principles of Chemistry I (3 Credit Hours)

CHEM 1211L - Principles of Chemistry I Laboratory (1 Credit Hour)

CHEM 1212 - Principles of Chemistry II (3 Credit Hours)

CHEM 1212L - Principles of Chemistry II Laboratory (1 Credit Hour)

CYBR 3200 - Cyber Network Defense and Counter Measures (3 Credit Hours)

HINF 3209 - Principles of Health Informatics and Information Management (4 Credit Hours)

HINF 4209 - Health Law and Ethics (3 Credit Hours)

MATH 3020 - Differential Equations (3 Credit Hours)

MATH 3250 - Introduction to Statistics and Data Analysis (3 Credit Hours)

PHYS 3011 - Electronics I (4 Credit Hours)

PHYS 3012 - Electronics II (4 Credit Hours)

Electives: 15 Hours

Select from the following:

BMSE 2201 - Biomedical Visualization (3 Credit Hours)

BMSE 3101 - Biomechanics (3 Credit Hours)

BMSE 3201 - Biomedical Signal Processing (3 Credit Hours)

BMSE 3202 - Biomedical Applications of AI + ML (3 Credit Hours)

BMSE 3601 - Biomedical Instrumentation (3 Credit Hours)

BMSE 3602 - Biomedical Data Analytics (3 Credit Hours)

BMSE 3901 - Modeling & Simulation of Biomedical Systems (3 Credit Hours)

BMSE 4601 - Biomedical Imaging (3 Credit Hours)

CSCI 3030 - Mathematical Structures for Computer Science (3 Credit Hours)

MATH 3280 - Linear Algebra (3 Credit Hours)

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)

WELL XXXX - Activity Course (1 Credit Hour)

WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 129 Hours

Bachelor of Science with a Major in Cell and Molecular Biology

Program Overview

The major in cell and molecular biology provides students with the opportunity to intensively explore the functions of genes, proteins, and cells at the molecular level; and through lab experiences they will learn state of the art techniques such as polymerase chain reaction (PCR), genetic cloning, protein isolation and identification, and more. This program of study will provide excellent preparation for those pursuing advanced degrees, professional healthcare programs, or employment in biotechnology. To enhance professional development and employment potential, students are encouraged to obtain specialized training by participating in basic and applied research in genetics, microbiology, cell and molecular biology, physiology, cancer biology, and more.

augusta.edu/scimath/biological-sciences

Program Contact

Dr. Amy Abdulovic-Cui

706-729-1539

biology@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- Double or triple majors, or major-minor combinations, that combine biology and/or cell and molecular biology are not permitted.
- A grade of C or better is required in all Area F, Required Lower-division, Major Concentration, and Required Upper-division Courses
- Satisfactory completion of the ETS Major Field Test
- If a student does not successfully complete a biology course after two attempts (i.e., they receive a D, F, W, or WF), the student will be limited to specific registration times for any subsequent attempts. Any student meeting these criteria will not be allowed to register for the course until the last day of late registration. Appeals may be made to the Chair of the Department of Biological Sciences in hardship cases.
- Major Concentration hours and Upper-division Elective hours must total at least 43 hours.

Program Information

Program Length: 4 Years

Academic Focus Area: Science and Mathematics [STEM]

CIP Code: 26.0406

Program Code: 1BS-CELL MBI

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

A grade of C or better is required in all of the following courses.

BIOL 1107 - Principles of Biology I (3 Credit Hours) and BIOL 1107L - Principles of Biology I Laboratory (1 Credit Hour)

BIOL 1108 - Principles of Biology II (3 Credit Hours) and BIOL 1108L - Principles of Biology II Laboratory (1 Credit Hour)

CHEM 1211 - Principles of Chemistry I (3 Credit Hours) and CHEM 1211L - Principles of Chemistry I Laboratory (1 Credit Hour)

CHEM 1212 - Principles of Chemistry II (3 Credit Hours) and CHEM 1212L - Principles of Chemistry II Laboratory (1 Credit Hour)

Plus one of the following:

BUSA 1105 - Introduction to Business and Professional Skills (3 Credit Hours)

CHEM 2410 - Chemistry of Organic and Biomolecules (4 Credit Hours)

CSCI 1200 - Introduction to Computers and Programming (3 Credit Hours)

CSCI 1210 - Introduction to Java Programming (3 Credit Hours)

CSCI 1301 - Principles of Computer Programming I (4 Credit Hours)

ENGL 2680 - Professional and Technical Writing (3 Credit Hours)

MATH 2011 - Calculus and Analytical Geometry I (4 Credit Hours)

MILS 1021 - Basic Leadership (3 Credit Hours)

MILS 2011 - Individual Leadership Studies (3 Credit Hours)

MILS 2021 - Leadership and Teamwork (3 Credit Hours)

MINF 2201 - Microcomputer Applications (3 Credit Hours)

Foreign Language Course (3 Credit Hours)

Required Lower-Division Courses: 1-12 Hours

A grade of C or better is required in all these courses. May be used in the Core IMPACTS Curriculum and spill over hours from Field of Study courses.

Math Course

MATH 1401 - Elementary Statistics (3 Credit Hours)

Physics Courses

Select one of the following options:

Option 1

PHYS 1111 - Introductory Physics I (3 Credit Hours)

PHYS 1111L - Introductory Physics I Laboratory (1 Credit Hour)

PHYS 1112 - Introductory Physics II (3 Credit Hours)

PHYS 1112L - Introductory Physics II Laboratory (1 Credit Hour)

Option 2

PHYS 2211 - Principles of Physics I (4 Credit Hours)

PHYS 2212 - Principles of Physics II (4 Credit Hours)

Major Concentration: 29-32 Hours

A grade of C or better is required in all courses.

Required Courses

BIOL 3200 - Genetics (3 Credit Hours)

BIOL 3400 - Cell Biology (3 Credit Hours)

BIOL 3700 - Molecular Biology Laboratory (3 Credit Hours)
 BIOL 4100 - Principles of Ecology (4 Credit Hours)
 BIOL 4700 - Advanced Cell Biology (3 Credit Hours)

Electives

Select four additional upper-division biology courses. At least three must come from the list of selected elective courses below, and at least one of these selected electives must be a 4-credit hour course.

BIOL 3320 - Comparative Vertebrate Physiology (4 Credit Hours)
 BIOL 3350 - Histology (4 Credit Hours)
 BIOL 3370 - Neurobiology (3 Credit Hours)
 BIOL 3500 - Microbiology (4 Credit Hours)
 BIOL 4000 - Plant Physiology (4 Credit Hours)
 BIOL 4420 - Herpetology (4 Credit Hours)
 BIOL 4630 - Reproductive Physiology (4 Credit Hours)
 BIOL 4650 - Endocrinology (4 Credit Hours)
 BIOL 4680 - Pathophysiology (3 Credit Hours)
 BIOL 4720 - Principles of Pharmacology (3 Credit Hours)
 BIOL 4730 - Immunology (3 Credit Hours)
 BIOL 4740 - Molecular Pathogenesis (4 Credit Hours)
 BIOL 4750 - Developmental Biology (4 Credit Hours)
 BIOL 4780 - Molecular Carcinogenesis (3 Credit Hours)
 BIOL 4950 - Selected Topics (1 to 10 Credit Hours) (*Advisor approval required*)

Required Upper-Division Courses: 14 Hours

A grade of C or better is required in all these courses.

CHEM 3411 - Organic Chemistry I (3 Credit Hours)
 CHEM 3411L - Organic Chemistry I Laboratory (1 Credit Hour)
 CHEM 3412 - Organic Chemistry II (3 Credit Hours)
 CHEM 3412L - Organic Chemistry II Laboratory (1 Credit Hour)
 CHEM 4551 - Biochemistry I: Physical Biochemistry (3 Credit Hours)
 CHEM 4552 - Biochemistry II: Bioenergetics and Metabolism (3 Credit Hours)

Free Electives: 14-17 Hours

As needed to complete the credit hours required for graduation. Select from any non-WELL courses.

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)
 WELL XXXX - Activity Course (1 Credit Hour)
 WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Science with a Major in Chemistry and a Concentration in Biochemistry

Program Overview

The AU chemistry program is nationally accredited with students having the option of obtaining an American Chemical Society (ACS) certified degree. The biochemistry concentration provides a flexible curriculum to allow students to customize their education to suit their career aspirations. This flexibility is especially well-suited for students completing pre-medical, pre-dental, or pre-pharmacy requirements. Students can focus on a secondary area with a minor, or customize their degree with upper-division electives in any field as well as undergraduate research.

augusta.edu/programs/chemistry-bs

Program Contact

Dr. Angie Spencer

706-667-4512

anspencer@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- Completion of ACS Diagnostic of Undergraduate Chemistry Knowledge Exam with a minimum score of 25 correct.
- A grade of C or better is required in all minor or upper-division electives.
- CHEM 4990 and CHEM 4993 (not to exceed 3 hours credit towards major electives) are highly recommended as minor or upper-division electives.

Program Information

Program Length: 4 Years

Academic Focus Area: Science and Mathematics [STEM]

CIP Code: 40.0501

Program Code: 1BS-CHEM

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

CHEM 1211 - Principles of Chemistry I (3 Credit Hours)

CHEM 1211L - Principles of Chemistry I Laboratory (1 Credit Hour)

CHEM 1212 - Principles of Chemistry II (3 Credit Hours)

CHEM 1212L - Principles of Chemistry II Laboratory (1 Credit Hour)

CHEM 2810 - Quantitative Analysis (5 Credit Hours)

MATH 2011 - Calculus and Analytical Geometry I (4 Credit Hours) (*1 hour applied here; the remainder in Core IMPACTS*)

PHYS 1111 - Introductory Physics I (3 Credit Hours)

and PHYS 1111L - Introductory Physics I Laboratory (1 Credit Hour)

Non-Core Courses: 8 Hours

MATH 2012 - Calculus and Analytical Geometry II (4 Credit Hours)

PHYS 1112 - Introductory Physics II (3 Credit Hours)

PHYS 1112L - Introductory Physics II Laboratory (1 Credit Hour)

Major Concentration: 34 Hours

CHEM 3411 - Organic Chemistry I (3 Credit Hours)

CHEM 3411L - Organic Chemistry I Laboratory (1 Credit Hour)

CHEM 3412 - Organic Chemistry II (3 Credit Hours)

CHEM 3412L - Organic Chemistry II Laboratory (1 Credit Hour)

CHEM 3721 - Physical Chemistry I (3 Credit Hours)

CHEM 3820 - Laboratory Management and Safety (2 Credit Hours)

CHEM 4210 - Advanced Inorganic Chemistry (3 Credit Hours)

CHEM 4450 - Advanced Organic Chemistry: Synthesis (3 Credit Hours)
 or CHEM 4460 - Advanced Organic Chemistry: Mechanisms (3 Credit Hours)
 CHEM 4551 - Biochemistry I: Physical Biochemistry (3 Credit Hours)
 CHEM 4552 - Biochemistry II: Bioenergetics and Metabolism (3 Credit Hours)
 CHEM 4553 - Biochemistry Laboratory (1 Credit Hour)
 CHEM 4700 - Integrated Laboratory (3 Credit Hours)
 CHEM 4800 - Advanced Seminar (1 Credit Hour)
 CHEM 4840 - Instrumental Analysis (4 Credit Hours)

Minor or Upper-Division Electives and Free Electives: 22 Hours

Minor or Upper-Division Electives: 11-14 Hours

A grade of C or better is required in all courses. To be select with the assistance of the student's faculty advisor. The following courses are highly recommended:

CHEM 3990 - Undergraduate Research (0 to 3 Credit Hours)
 CHEM 4990 - Undergraduate Research (0 to 3 Credit Hours)
 CHEM 4993 - Research Thesis (1 Credit Hour) (*not to exceed 3 hours credit towards major electives*)

Free Electives: 4-7 Hours

Select 4-7 hours of electives from any non-WELL courses to complete the requirement.

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)
 WELL XXXX - Activity Course (1 Credit Hour)
 WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Science with a Major in Chemistry and a Concentration in Forensic Science

Program Overview

The AU chemistry program is nationally accredited with students having the option of obtaining an American Chemical Society (ACS) certified degree. The forensic science concentration emphasizes chemical and biochemical analysis applicable to both forensic labs as well as more broadly. Research labs and industrial quality control labs also have a high demand for analysis and provide many good employment opportunities. This concentration provides a flexible curriculum to allow students to customize their education to suit their career aspirations. This flexibility is well-suited for students completing pre-medical, pre-dental, or pre-pharmacy requirements. Major electives provide breadth of experience through coursework in biology as well as non-science courses in judicial process or communications to complement a rigorous chemistry curriculum. Coursework in judicial process is important for a forensic scientist, and advanced communications skills are universally valued by employers.

Augusta.edu/programs/chemistry-bs

Program Contact

Dr. Angie Spencer
 706-667-4512
anspencer@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- A minor is not required for this degree.
- Completion of ACS Diagnostic of Undergraduate Chemistry Knowledge Exam with a minimum score of 25 correct.

Program Information

Program Length: 4 Years

Academic Focus Area: Science and Mathematics [STEM]

CIP Code: 40.0501

Program Code: 1BS-CHEM

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

CHEM 1211 - Principles of Chemistry I (3 Credit Hours)
 CHEM 1211L - Principles of Chemistry I Laboratory (1 Credit Hour)
 CHEM 1212 - Principles of Chemistry II (3 Credit Hours)
 CHEM 1212L - Principles of Chemistry II Laboratory (1 Credit Hour)
 CHEM 2810 - Quantitative Analysis (5 Credit Hours)
 PHYS 1111 - Introductory Physics I (3 Credit Hours)
 PHYS 1111L - Introductory Physics I Laboratory (1 Credit Hour)
 PHYS 1112 - Introductory Physics II (3 Credit Hours)
 PHYS 1112L - Introductory Physics II Laboratory (1 Credit Hour)

Lower-Level Requirements: 6-7 Hours

Includes spillover hours from Field of Study Courses.

MATH 1401 - Elementary Statistics (3 Credit Hours) *(if not taken in Core IMPACTS)*
 or DATA 1501 - Introduction to Data Science (3 Credit Hours)
 MATH 2011 - Calculus and Analytical Geometry I (4 Credit Hours) *(if not taken in Core IMPACTS)*
 PHYS 1112 - Introductory Physics II (3 Credit Hours) *(if not taken in Core IMPACTS)*
 PHYS 1112L - Introductory Physics II Laboratory (1 Credit Hour)

Major Concentration: 26 Hours

CHEM 3411 - Organic Chemistry I (3 Credit Hours)
 CHEM 3411L - Organic Chemistry I Laboratory (1 Credit Hour)
 CHEM 3412 - Organic Chemistry II (3 Credit Hours)
 CHEM 3412L - Organic Chemistry II Laboratory (1 Credit Hour)
 CHEM 3820 - Laboratory Management and Safety (2 Credit Hours)
 CHEM 4100 - Forensic Chemistry (4 Credit Hours)
 CHEM 4551 - Biochemistry I: Physical Biochemistry (3 Credit Hours)
 CHEM 4553 - Biochemistry Laboratory (1 Credit Hour)
 CHEM 4700 - Integrated Laboratory (3 Credit Hours)
 CHEM 4800 - Advanced Seminar (1 Credit Hour)
 CHEM 4840 - Instrumental Analysis (4 Credit Hours)

Major and Upper-Division Electives: 17 Hours

Select two CHEM, one BIOL and one non-science course from the list below. Select from other courses in the list to total a minimum of 17 credit hours.

CHEM 3000 - Introduction to Nuclear Science (3 Credit Hours)
 CHEM 3721 - Physical Chemistry I (3 Credit Hours)
 CHEM 3990 - Undergraduate Research (0 to 3 Credit Hours),
 and CHEM 4990 - Undergraduate Research (0 to 3 Credit Hours)
 and CHEM 4993 - Research Thesis (1 Credit Hour) (*not to exceed 3 hours credit total towards major electives*) - **highly recommended**
 CHEM 4130 - Water Chemistry (3 Credit Hours)
 CHEM 4210 - Advanced Inorganic Chemistry (3 Credit Hours)
 CHEM 4410 - Heterocyclic and Natural Product Chemistry (3 Credit Hours)
 CHEM 4450 - Advanced Organic Chemistry: Synthesis (3 Credit Hours)
 or CHEM 4460 - Advanced Organic Chemistry: Mechanisms (3 Credit Hours)
 CHEM 4552 - Biochemistry II: Bioenergetics and Metabolism (3 Credit Hours)
 CHEM 4620 - Principles of Medicinal Chemistry (3 Credit Hours)
 CHEM 4950 - Selected Topics (1 to 4 Credit Hours)
 BIOL 3200 - Genetics (3 Credit Hours)
 BIOL 3350 - Histology (4 Credit Hours)
 BIOL 3400 - Cell Biology (3 Credit Hours)
 BIOL 3500 - Microbiology (4 Credit Hours)
 COMM 3100 - Communications for Professionals (3 Credit Hours)
 POLS 3301 - Judicial Process (3 Credit Hours)

Free Electives: 10-11 Hours

As needed to complete the credit hours required for graduation. Select from any non-WELL courses.

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)
 WELL XXXX - Activity Course (1 Credit Hour)
 WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Science with a Major in Chemistry and a Concentration in Medicinal Chemistry

Program Overview

The AU chemistry program is nationally accredited with students having the option of obtaining an American Chemical Society (ACS) certified degree. The medicinal chemistry concentration focuses the curriculum on organic and analytical areas to complement the medicinal chemistry courses. Students will learn about drug design, mechanism of action of drugs, classes of drugs, and modern methods of synthesis. Major elective hours allow customization of the degree and facilitate the ability to satisfy prerequisite courses for pre-medical, pre-dental, or pre-pharmacy preparation. Participation in undergraduate research may be completed for credit towards major electives and is highly recommended.

augusta.edu/programs/chemistry-bs

Program Contact

Dr. Angie Spencer
706-667-4512
anspencer@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- Completion of ACS Diagnostic of Undergraduate Chemistry Knowledge Exam with a minimum score of 25 correct.
- Choose upper-division courses to total a minimum of 6 hours.
- CHEM 3990, CHEM 4990 and CHEM 4993 (not to exceed three hours credit towards major electives) are highly recommended.

Program Information

Program Length: 4 Years
Academic Focus Area: Science and Mathematics [STEM]
CIP Code: 40.0501
Program Code: 1BS-CHEM

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

CHEM 1211 - Principles of Chemistry I (3 Credit Hours)
CHEM 1211L - Principles of Chemistry I Laboratory (1 Credit Hour)
CHEM 1212 - Principles of Chemistry II (3 Credit Hours)
CHEM 1212L - Principles of Chemistry II Laboratory (1 Credit Hour)
PHYS 1111 - Introductory Physics I (3 Credit Hours)
PHYS 1111L - Introductory Physics I Laboratory (1 Credit Hour)
PHYS 1112 - Introductory Physics II (3 Credit Hours)
PHYS 1112L - Introductory Physics II Laboratory (1 Credit Hour)
CHEM 2810 - Quantitative Analysis (5 Credit Hours) (*2 hours are applied to Field of Study requirements*)

Non-Core Courses and Spillover Hours: 11 Hours

MATH 1401 - Elementary Statistics (3 Credit Hours)
or DATA 1501 - Introduction to Data Science (3 Credit Hours)
Spillover Hours: CHEM 2810, MATH 2011
MATH 2012 - Calculus and Analytical Geometry II (4 Credit Hours)

Major Concentration: 36 Hours

CHEM 3411 - Organic Chemistry I (3 Credit Hours)
CHEM 3411L - Organic Chemistry I Laboratory (1 Credit Hour)
CHEM 3412 - Organic Chemistry II (3 Credit Hours)
CHEM 3412L - Organic Chemistry II Laboratory (1 Credit Hour)
CHEM 3721 - Physical Chemistry I (3 Credit Hours)
CHEM 3820 - Laboratory Management and Safety (2 Credit Hours)
CHEM 4410 - Heterocyclic and Natural Product Chemistry (3 Credit Hours)
CHEM 4450 - Advanced Organic Chemistry: Synthesis (3 Credit Hours)

CHEM 4551 - Biochemistry I: Physical Biochemistry (3 Credit Hours)
CHEM 4610 - Rational Drug Design (3 Credit Hours)
CHEM 4620 - Principles of Medicinal Chemistry (3 Credit Hours)
CHEM 4700 - Integrated Laboratory (3 Credit Hours)
CHEM 4800 - Advanced Seminar (1 Credit Hour)
CHEM 4840 - Instrumental Analysis (4 Credit Hours)

Major Electives: 6 Hours

Select upper-division CHEM 3XXX or 4XXX courses for a minimum total of 6 hours. The following are highly recommended:

CHEM 3990 - Undergraduate Research (0 to 3 Credit Hours)
CHEM 4990 - Undergraduate Research (0 to 3 Credit Hours)
CHEM 4993 - Research Thesis (1 Credit Hour) (*not to exceed 3 hours credit towards major electives*)

Free Electives: 7 Hours

As needed to complete the credit hours required for graduation. Select from any non-WELL courses.

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)
WELL XXXX - Activity Course (1 Credit Hour)
WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Science with a Major in Chemistry and a Concentration in Nuclear Science

Program Overview

The AU chemistry program is nationally accredited with students having the option of obtaining an American Chemical Society (ACS) certified degree. Students will explore the basic properties of the nucleus, nuclear decay, radiation properties, and applications with each of these topics. Radiation detection and measurements explored in a laboratory course. Local and regional nuclear industry provides numerous employment opportunities. The flexibility in this program is well-suited for students completing pre-medical, pre-dental, or pre-pharmacy requirements. Background in nuclear science is applicable to radiology, radiopharmaceuticals, and medical diagnostics with radioactive tracers that can give students interested in these fields a competitive edge in their careers. Major electives allow students to include undergraduate research or explore other course areas such as medicinal or forensic chemistry. A minor is not required for this degree.

augusta.edu/programs/chemistry-bs

Program Contact

Dr. Angie Spencer
706-667-4512
anspencer@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- Completion of ACS Diagnostic of Undergraduate Chemistry Knowledge Exam with a minimum score of 25 correct.
- Courses marked with an asterisk (*) are recommended for students who intend to pursue graduate studies in the nuclear sciences.

Program Information

Program Length: 4 Years

Academic Focus Area: Science and Mathematics [STEM]

CIP Code: 40.0501

Program Code: 1BS-CHEM

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

CHEM 1211 - Principles of Chemistry I (3 Credit Hours)

CHEM 1211L - Principles of Chemistry I Laboratory (1 Credit Hour)

CHEM 1212 - Principles of Chemistry II (3 Credit Hours)

CHEM 1212L - Principles of Chemistry II Laboratory (1 Credit Hour)

CHEM 2810 - Quantitative Analysis (5 Credit Hours)

PHYS 1111 - Introductory Physics I (3 Credit Hours)

and PHYS 1111L - Introductory Physics I Laboratory (1 Credit Hour)

and PHYS 1112 - Introductory Physics II (3 Credit Hours)

and PHYS 1112L - Introductory Physics II Laboratory (1 Credit Hour)

or

PHYS 2211 - Principles of Physics I (4 Credit Hours)

and PHYS 2212 - Principles of Physics II (4 Credit Hours)

or

MATH 2012 - Calculus and Analytical Geometry II (4 Credit Hours) (*if PHYS used in Core IMPACTS*)

Lower-Level Requirements: 6-7 Hours

Includes spillover hours from Field of Study Courses.

MATH 1401 - Elementary Statistics (3 Credit Hours) or MATH 2012 - Calculus and Analytical Geometry II (4 Credit Hours)

PHYS 1111 - Introductory Physics I (3 Credit Hours) and PHYS 1111L - Introductory Physics I Laboratory (1 Credit Hour) or PHYS 2211 - Principles of Physics I (4 Credit Hours)

PHYS 1112 - Introductory Physics II (3 Credit Hours) and PHYS 1112L - Introductory Physics II Laboratory (1 Credit Hour) or PHYS 2212 - Principles of Physics II (4 Credit Hours)

Major Concentration: 33 Hours

CHEM 3000 - Introduction to Nuclear Science (3 Credit Hours)

CHEM 3010 - Introduction to Nuclear Measurements (3 Credit Hours)

CHEM 3020 - Application of Nuclear Science (3 Credit Hours)

CHEM 3411 - Organic Chemistry I (3 Credit Hours)

CHEM 3411L - Organic Chemistry I Laboratory (1 Credit Hour)

CHEM 3412 - Organic Chemistry II (3 Credit Hours)

CHEM 3412L - Organic Chemistry II Laboratory (1 Credit Hour)

CHEM 3721 - Physical Chemistry I (3 Credit Hours)

CHEM 3820 - Laboratory Management and Safety (2 Credit Hours)

CHEM 4210 - Advanced Inorganic Chemistry (3 Credit Hours)

CHEM 4700 - Integrated Laboratory (3 Credit Hours)
 CHEM 4800 - Advanced Seminar (1 Credit Hour)
 CHEM 4840 - Instrumental Analysis (4 Credit Hours)

Major and Upper-Division Electives: 10 Hours

With the assistance of advisor, choose a minimum of 10 credit hours from the following. Courses marked with an asterisk (*) are recommended for students who intend to pursue graduate studies in the nuclear sciences.

BIOL 4100 - Principles of Ecology (4 Credit Hours)
 BIOL 4950 - Selected Topics (1 to 10 Credit Hours)
 CHEM 3723 - Physical Chemistry Laboratory (1 Credit Hour)
 CHEM 3990 - Undergraduate Research (0 to 3 Credit Hours) (*maximum 3 hours total toward major electives*)
 or CHEM 4990 - Undergraduate Research (0 to 3 Credit Hours) (*maximum 3 hours total toward major electives*)
 or CHEM 4993 - Research Thesis (1 Credit Hour) (*maximum 3 hours total toward major electives*)
 CHEM 4100 - Forensic Chemistry (4 Credit Hours)
 CHEM 4450 - Advanced Organic Chemistry: Synthesis (3 Credit Hours)
 CHEM 4460 - Advanced Organic Chemistry: Mechanisms (3 Credit Hours)
 CHEM 4551 - Biochemistry I: Physical Biochemistry (3 Credit Hours) *
 CHEM 4552 - Biochemistry II: Bioenergetics and Metabolism (3 Credit Hours)
 CHEM 4600 - Physical Chemistry II - Quantum Mechanics (3 Credit Hours) *
 CHEM 4950 - Selected Topics (1 to 4 Credit Hours)
 MATH 2012 - Calculus and Analytical Geometry II (4 Credit Hours) *
 MATH 3020 - Differential Equations (3 Credit Hours) *
 MATH 4251 - Probability and Statistics I (3 Credit Hours)
 PHYS 3300 - Modern Physics (3 Credit Hours)
 PHYS 4600 - Quantum Mechanics (3 Credit Hours)
 CHEM 3XXX - Chemistry Elective (3 Credit Hours)
 CHEM 4XXX - Chemistry Elective (3 Credit Hours)

Free Electives: 9-10 Hours

As needed to complete the credit hours required for graduation. Select from any non-WELL courses.

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)
 WELL XXXX - Activity Course (1 Credit Hour)
 WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Science with a Major in Chemistry and a Concentration in Professional Chemistry

Program Overview

The AU chemistry program is nationally accredited with students having the option of obtaining an American Chemical Society (ACS) certified degree. Students seeking the ACS approved degree certificate generally follow the professional concentration and complete a research thesis. The professional concentration ensures that students have experience in all five traditional areas of chemistry- inorganic, organic, physical, analytical, and biochemistry. Major electives allow students to include

undergraduate research or explore other course areas such as medicinal, forensic, or nuclear chemistry. A minor is not required for this degree.

augusta.edu/programs/chemistry-bs

Program Contact

Dr. Angie Spencer

706-667-4512

anspencer@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

Completion of ACS Diagnostic of Undergraduate Chemistry Knowledge Exam with a minimum score of 25 correct.

Program Information

Program Length: 4 Years

Academic Focus Area: Science and Mathematics [STEM]

CIP Code: 40.0501

Program Code: 1BS-CHEM

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

CHEM 1211 - Principles of Chemistry I (3 Credit Hours)

CHEM 1211L - Principles of Chemistry I Laboratory (1 Credit Hour)

CHEM 1212 - Principles of Chemistry II (3 Credit Hours)

CHEM 1212L - Principles of Chemistry II Laboratory (1 Credit Hour)

CHEM 2810 - Quantitative Analysis (5 Credit Hours)

MATH 2011 - Calculus and Analytical Geometry I (4 Credit Hours) (*1 hour is applied here*)

MATH 2012 - Calculus and Analytical Geometry II (4 Credit Hours)

Non-Core Courses: 3-11 Hours

PHYS 2211 - Principles of Physics I (4 Credit Hours) (*if not in taken in Core IMPACTS Requirements*)

PHYS 2212 - Principles of Physics II (4 Credit Hours) (*if not in taken in Core IMPACTS Requirements*)

MATH 3020 - Differential Equations (3 Credit Hours)

Major Concentration: 40 Hours

CHEM 3411 - Organic Chemistry I (3 Credit Hours)

CHEM 3411L - Organic Chemistry I Laboratory (1 Credit Hour)

CHEM 3412 - Organic Chemistry II (3 Credit Hours)

CHEM 3412L - Organic Chemistry II Laboratory (1 Credit Hour)

CHEM 3721 - Physical Chemistry I (3 Credit Hours)

CHEM 3723 - Physical Chemistry Laboratory (1 Credit Hour)

CHEM 3820 - Laboratory Management and Safety (2 Credit Hours)

CHEM 4210 - Advanced Inorganic Chemistry (3 Credit Hours)

CHEM 4450 - Advanced Organic Chemistry: Synthesis (3 Credit Hours)

or CHEM 4460 - Advanced Organic Chemistry: Mechanisms (3 Credit Hours)

CHEM 4551 - Biochemistry I: Physical Biochemistry (3 Credit Hours)
 CHEM 4600 - Physical Chemistry II - Quantum Mechanics (3 Credit Hours)
 CHEM 4700 - Integrated Laboratory (3 Credit Hours)
 CHEM 4800 - Advanced Seminar (1 Credit Hour)
 CHEM 4840 - Instrumental Analysis (4 Credit Hours)

Plus select two of the following: 6-7 Hours

CHEM 3000 - Introduction to Nuclear Science (3 Credit Hours)
 CHEM 4100 - Forensic Chemistry (4 Credit Hours)
 CHEM 4130 - Water Chemistry (3 Credit Hours)
 CHEM 4410 - Heterocyclic and Natural Product Chemistry (3 Credit Hours)
 CHEM 4552 - Biochemistry II: Bioenergetics and Metabolism (3 Credit Hours)
 CHEM 4610 - Rational Drug Design (3 Credit Hours)
 CHEM 4620 - Principles of Medicinal Chemistry (3 Credit Hours)
 CHEM 4950 - Selected Topics (1 to 4 Credit Hours) *(may be repeated with different topic)*
 CHEM 3990 - Undergraduate Research (0 to 3 Credit Hours)

Free Electives: 2-11 Hours

As needed to complete the credit hours required for graduation. Select from any non-WELL courses.

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)
 WELL XXXX - Activity Course (1 Credit Hour)
 WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Science with a Major in Computer Science

Program Overview

The study of computer science spans the range from theory to practice to cutting-edge invention of computing solutions. Computer Science teaches students to be aware of new ideas and technologies and is a foundation that prepares graduates for many different computer careers while permitting them to adapt to new technologies. The Computer Science curriculum covers the principles of key computing technologies such as hardware, operating systems, database systems, networks, graphics, and artificial intelligence. Students will study the logical and mathematical foundations of computing and how to implement problem solutions as programs in a computer language.

augusta.edu/ccs/bs-cs

Program Accreditation

The Bachelor of Science in Computer Science is accredited by the Computing Accreditation Commission of ABET, abet.org.

Program Contact

Dr. Gursimran Walia
 706-721-1110
ccs@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

A grade of C or better is required in all Field of Study and Major Requirement courses.

Program Information

Program Length: 4 Years

Academic Focus Area: Computing [ITCS]

CIP Code: 11.0101

Program Code: 1BS-COSC

Major Code: COSC

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

A grade of C or better is required in all of the following courses.

CSCI 1301 - Principles of Computer Programming I (4 Credit Hours)

CSCI 1302 - Principles of Computer Programming II (3 Credit Hours)

CSCI 2700 - Ethics in Computer Science (2 Credit Hours)

CYBR 2600 - Introduction to Networking and Cyber Security (4 Credit Hours)

MATH 2011 - Calculus and Analytical Geometry I (4 Credit Hours) (1 hour from the Technology, Mathematics and Sciences area of Core IMPACTS)

MATH 2012 - Calculus and Analytical Geometry II (4 Credit Hours)

Major Courses: 33 Hours

Grade of C or better is required in all Junior/Senior level courses.

CSCI 3030 - Mathematical Structures for Computer Science (3 Credit Hours)

CSCI 3170 - Computer Organization (3 Credit Hours)

CSCI 3271 - Operating System (3 Credit Hours)

CSCI 3300 - Programming Languages Concepts (3 Credit Hours)

CSCI 3371 - Low-Level Programming Languages (3 Credit Hours)

CSCI 3400 - Data Structures (3 Credit Hours)

CSCI 3410 - Database Systems (3 Credit Hours)

CSCI 3500 - Theory of Computation (3 Credit Hours)

CSCI 4100 - Analysis of Algorithms (3 Credit Hours)

CSCI 4711 - Software Engineering (3 Credit Hours)

CSCI 4712 - Senior Capstone Project (3 Credit Hours)

Major Emphasis Courses: 12 Hours

Select three CSCI courses from below:

CSCI 3420 - Distributed and Mobile Systems (3 Credit Hours)

CSCI 3430 - Artificial Intelligence (3 Credit Hours)

CSCI 3600 - Internet Programming (3 Credit Hours)

CSCI 4531 - Malware Analysis and Reverse Engineering (3 Credit Hours)

CSCI 4532 - Hardware and Embedded Systems (3 Credit Hours)

CSCI 4800 - Compiler Writing (3 Credit Hours)

CSCI 4820 - Computer Graphics (3 Credit Hours)

CSCI 4950 - Selected Topics (1 to 3 Credit Hours)

CSCI 4990 - Undergraduate Research (1 to 3 Credit Hours)

Select one MATH course from below:

MATH 3250 - Introduction to Statistics and Data Analysis (3 Credit Hours)

MATH 3280 - Linear Algebra (3 Credit Hours)

MATH 3710 - Combinatorics (3 Credit Hours)

MATH 4211 - Modern Abstract Algebra I (3 Credit Hours)

MATH 4320 - Theory of Numbers (3 Credit Hours)

MATH 4350 - Numerical Analysis (3 Credit Hours)

MATH 4420 - Introduction to the Theory of Graphs (3 Credit Hours)

Free Electives: 15 Hours

Select 15 hours from any non-WELL classes.

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)

WELL XXXX - Activity Course (1 Credit Hour)

WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Science with a Major in Cyber Operations

Program Overview

The degree in cyber operations provides a specialization in technologies and techniques related to advanced offensive and defensive cyber operations, such as collection, exploitation, and response to cyber threats. This concentration prepares students to apply computer science theory to the problem of analyzing, designing, implementing, and operating secure computing environments. Students will be exposed to malware analysis, reverse engineering, penetration testing, and hardware analysis.

augusta.edu/ccs/bs-cs

Program Contact

Dr. Michael Nowatkowski

706-721-0549

ccs@augusta.edu

Admissions Requirements

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

A grade of C or better is required in all Field of Study, Major Requirements, Concentration, and Major Elective Courses.

Program Information

Program Length: 4 Years

Academic Focus Area: Computing [ITCS]

CIP Code: 11.0701

Program Code: 1BS-CYOP

Major Code: CYOP

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

A grade of C or better is required in the following courses:

- CSCI 1301 - Principles of Computer Programming I (4 Credit Hours)
- CSCI 1302 - Principles of Computer Programming II (3 Credit Hours)
- CSCI 2700 - Ethics in Computer Science (2 Credit Hours)
- CYBR 2600 - Introduction to Networking and Cyber Security (4 Credit Hours)
- MATH 2012 - Calculus and Analytical Geometry II (4 Credit Hours)

Note: 1 hour is applied to the Field of Study course requirement from MATH 2011 from the Technology, Science, and Mathematics area of Core IMPACTS

Major Courses: 54 Hours

- AIST 3320 - TCP/IP Protocol Analysis (3 Credit Hours)
- AIST 3360 - Cellular and Mobile Technology (3 Credit Hours)
- CSCI 3030 - Mathematical Structures for Computer Science (3 Credit Hours)
- CSCI 3170 - Computer Organization (3 Credit Hours)
- CSCI 3271 - Operating System (3 Credit Hours)
- CSCI 3371 - Low-Level Programming Languages (3 Credit Hours)
- CSCI 3400 - Data Structures (3 Credit Hours)
- CSCI 3410 - Database Systems (3 Credit Hours)
- CSCI 3500 - Theory of Computation (3 Credit Hours)
- CSCI 4100 - Analysis of Algorithms (3 Credit Hours)
- CSCI 4531 - Malware Analysis and Reverse Engineering (3 Credit Hours)
- CSCI 4532 - Hardware and Embedded Systems (3 Credit Hours)
- CSCI 4711 - Software Engineering (3 Credit Hours)
- CSCI 4712 - Senior Capstone Project (3 Credit Hours)
- CYBR 3100 - Introduction to Defensive Cyber Operations (3 Credit Hours)
- CYBR 3200 - Cyber Network Defense and Counter Measures (3 Credit Hours)

Major Emphasis Courses: 6 Hours

Computer Science Courses

Select one of the following:

- CSCI 3300 - Programming Languages Concepts (3 Credit Hours)
- CSCI 3420 - Distributed and Mobile Systems (3 Credit Hours)
- CSCI 3430 - Artificial Intelligence (3 Credit Hours)
- CSCI 3600 - Internet Programming (3 Credit Hours)
- CSCI 4800 - Compiler Writing (3 Credit Hours)
- CSCI 4820 - Computer Graphics (3 Credit Hours)
- CSCI 4950 - Selected Topics (1 to 3 Credit Hours)
- CSCI 4990 - Undergraduate Research (1 to 3 Credit Hours)

Mathematics Courses

Select one of the following:

- MATH 3250 - Introduction to Statistics and Data Analysis (3 Credit Hours)
- MATH 3280 - Linear Algebra (3 Credit Hours)
- MATH 3710 - Combinatorics (3 Credit Hours)
- MATH 4211 - Modern Abstract Algebra I (3 Credit Hours)
- MATH 4320 - Theory of Numbers (3 Credit Hours)
- MATH 4350 - Numerical Analysis (3 Credit Hours)
- MATH 4420 - Introduction to the Theory of Graphs (3 Credit Hours)

Free Electives: 6 Hours

Select from any non-WELL courses.

Senior Requirements:

Satisfactory Completion of the ETS Major Field Test.

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)

WELL XXXX - Activity Course (1 Credit Hour)

WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Science with a Major in Cybersecurity

Program Overview

The cybersecurity curriculum provides students with a broad foundation of technical abilities and understanding. The cybersecurity degree arms students with specific core skills needed to be successful in cybersecurity positions, including network defense monitoring, penetration testing, and incidence response. The field of cybersecurity is one of increasing importance to governments and enterprises around the world. Demand for individuals with expertise in this area will continue to grow as society's dependence on information systems grows and society's enemies become ever more adept at bypassing information security measures.

augusta.edu/ccs/bs-it-cybersecurity

Program Contact

Dr. Michael Nowatkowski

706-721-0549

ccs@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- A grade of C or better is required in all Field of Study, Major Requirements, Concentration, and Major Elective courses.
- Students must take MATH 1401 and pass with a grade of C or better.

Program Information

Program Length: 4 Years

Academic Focus Area: Computing [ITCS]

CIP Code: 11.1003

Program Code: 1BS-CBSC

Major Code: CBSC

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

A grade of C or better is required in the following courses.

AIST 2110 - Principles of Scripting (3 Credit Hours)
AIST 2120 - Intermediate Scripting and Automation (3 Credit Hours)
CSCI 2700 - Ethics in Computer Science (2 Credit Hours)
CYBR 2600 - Introduction to Networking and Cyber Security (4 Credit Hours)
MATH 2020 - Introduction to Discrete Mathematics (3 Credit Hours)
MINF 2650 - Principles of Data Management and Analysis (3 Credit Hours)

Major Courses: 42 Hours

A grade of C or better is required in all courses.

Major Required Courses: 33 Hours

AIST 3310 - Advanced Networking (3 Credit Hours)
AIST 3320 - TCP/IP Protocol Analysis (3 Credit Hours)
AIST 3410 - Database Management Systems (3 Credit Hours)
AIST 3610 - System Analysis and Design (3 Credit Hours)
AIST 3720 - Operating System Concepts and Administration (3 Credit Hours)
AIST 4720 - Enterprise System Architectures (3 Credit Hours)
AIST 4820 - Information Technology Project (3 Credit Hours)
COMM 3100 - Communications for Professionals (3 Credit Hours)
CYBR 3100 - Introduction to Defensive Cyber Operations (3 Credit Hours)
CYBR 3200 - Cyber Network Defense and Counter Measures (3 Credit Hours)
CYBR 4400 - Digital Forensics (3 Credit Hours)

Major Electives: 9 Hours

Select three from the following:

AIST 2220 - Introduction to Web Development (3 Credit Hours)
MINF 3625 - Project Management (3 Credit Hours)
CSCI 1302 - Principles of Computer Programming II (3 Credit Hours)
AIST 3XXX - Applied Information Systems and Technology Elective (3 Credit Hours)
AIST 4XXX - Applied Information Systems and Technology Elective (3 Credit Hours)
CSCI 3XXX - Computer Science Elective (3 Credit Hours)
CSCI 4XXX - Computer Science Elective (3 Credit Hours)
CYBR 3XXX - Cybersecurity Elective (3 Credit Hours)
CYBR 4XXX - Cybersecurity Elective (3 Credit Hours)

Free Electives: 18 Hours

CYBR 2600 - Introduction to Networking and Cyber Security (4 Credit Hours) (1 Hour)

Electives from any non-WELL courses (17 Hours)

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)
WELL XXXX - Activity Course (1 Credit Hour)
WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Science with a Major in Cybersecurity Engineering

Program Overview

The Bachelor of Science in Cybersecurity Engineering moves beyond the disciplinary boundaries approach of computer engineering, computer science, information technology, information systems, and software engineering. The program aligns with the proposed 2018-2019 ABET Engineering Accreditation Commission Program criteria for cybersecurity engineering and the Joint Task Force on Cybersecurity Education curriculum guidelines. With the development of this degree program, Augusta University is eligible to be designated as a National Security Agency (NSA) Centers of Excellence in Cyber Operations (CAE-Cyber Operations).

augusta.edu/ccs/bs-cybersecurity-engineering

Program Contact

Dr. Michael Nowatkowski
706-721-0549
ccs@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- A Grade of C or better is required for all Field of Study and Major Courses.
- Students must take PHIL 2030 and pass with a grade of C or better.
- Students must take ECON 1810, ECON 2105, or ECON 2106 and pass with a grade of C or better.

Program Information

Program Length: 4 Years
Academic Focus Area: Computing [ITCS]
CIP Code: 14.0999
Program Code: 1BS-CYBE
Major Code: CYBE

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

CENG 2001 - Introduction to Cybersecurity Engineering (3 Credit Hours)
CSCI 1301 - Principles of Computer Programming I (4 Credit Hours)
CSCI 1302 - Principles of Computer Programming II (3 Credit Hours)
CSCI 2700 - Ethics in Computer Science (2 Credit Hours)
CYBR 2600 - Introduction to Networking and Cyber Security (4 Credit Hours)

Major Courses: 68 Hours

AIST 3310 - Advanced Networking (3 Credit Hours)
or AIST 3320 - TCP/IP Protocol Analysis (3 Credit Hours)
AIST 3360 - Cellular and Mobile Technology (3 Credit Hours)
CENG 4100 - Cyber-Physical Systems (3 Credit Hours)
CENG 4700 - Secure Design Engineering (3 Credit Hours)

CENG 4712 - Senior Capstone Project (3 Credit Hours)
 CSCI 3030 - Mathematical Structures for Computer Science (3 Credit Hours)
 CSCI 3170 - Computer Organization (3 Credit Hours)
 CSCI 3271 - Operating System (3 Credit Hours)
 CSCI 3370 - Assembly Language Programming (3 Credit Hours)
 CSCI 3400 - Data Structures (3 Credit Hours)
 CSCI 4531 - Malware Analysis and Reverse Engineering (3 Credit Hours)
 CSCI 4532 - Hardware and Embedded Systems (3 Credit Hours)
 CSCI 4540 - Digital Forensics and Machine Learning (3 Credit Hours)
 CYBR 3100 - Introduction to Defensive Cyber Operations (3 Credit Hours)
 CYBR 3200 - Cyber Network Defense and Counter Measures (3 Credit Hours)
 MATH 3020 - Differential Equations (3 Credit Hours)
 MATH 3250 - Introduction to Statistics and Data Analysis (3 Credit Hours)
 MATH 3280 - Linear Algebra (3 Credit Hours)
 PHYS 3011 - Electronics I (4 Credit Hours)
 PHYS 3012 - Electronics II (4 Credit Hours)

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)
 WELL XXXX - Activity Course (1 Credit Hour)
 WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 132 Hours

Bachelor of Science with a Major in Data Science

Program Overview

Augusta University's Bachelor of Science with a major in Data Science leverages the region's data-driven strengths in Cyber Command, health sciences, and cybersecurity. This dynamic, interdisciplinary program, offered in collaboration between the School of Computer and Cyber Sciences and the College of Science and Mathematics, prepares students to become leaders in data-driven decision-making and technological innovation across key industries.

Program Contact

Dr. Gursimran Walia
 706-721-1110
ccs@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

A grade of C or better is required in all Field of Study, Major, Concentration, and Elective courses.

Program Information

Program Length: 4 Years
 Academic Focus Area: Computing [ITCS]
 CIP Code: 30.7001
 Program Code: 1BS-DASC
 Major Code: DASC

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

Some of the following required courses may be applied to Core IMPACTS requirements.

AIST 2110 - Principles of Scripting (3 Credit Hours)
MATH 2011 - Calculus and Analytical Geometry I (4 Credit Hours)
MATH 2012 - Calculus and Analytical Geometry II (4 Credit Hours)
CSCI 2700 - Ethics in Computer Science (2 Credit Hours)
CYBR 2600 - Introduction to Networking and Cyber Security (4 Credit Hours)
DASC 1302 - Data Science Programming II (3 Credit Hours)
or CSCI 1302 - Principles of Computer Programming II (3 Credit Hours)

Major Courses: 33 Hours

CSCI 3410 - Database Systems (3 Credit Hours)
CSCI 3430 - Artificial Intelligence (3 Credit Hours)
DASC 2030 - Mathematical Foundations of Data Science (3 Credit Hours)
DASC 3400 - Data Structures and Algorithms (3 Credit Hours)
or CSCI 3400 - Data Structures (3 Credit Hours)
DASC 4712 - Data Science Capstone (3 Credit Hours) *(taken twice for a total of 6 hours)*
DASC 4740 - Data Mining (3 Credit Hours)
DASC 4850 - Machine Learning (3 Credit Hours)
MATH 3250 - Introduction to Statistics and Data Analysis (3 Credit Hours)
MATH 3280 - Linear Algebra (3 Credit Hours)
MATH 4251 - Probability and Statistics I (3 Credit Hours)

Major Electives: 12 Hours

Select four of the following:

CSCI 4540 - Digital Forensics and Machine Learning (3 Credit Hours)
CSCI 4711 - Software Engineering (3 Credit Hours)
DASC 3230 - Data Security and Privacy (3 Credit Hours)
DASC 4260 - Computer Vision (3 Credit Hours)
DASC 4760 - Big Data and Analytics (3 Credit Hours)
DASC 4851 - Deep Learning (3 Credit Hours)
MATH 4252 - Probability and Statistics II (3 Credit Hours)
MATH 4420 - Introduction to the Theory of Graphs (3 Credit Hours)
PHYS 3260 - Computational Physics (3 Credit Hours)

Free Electives: 16 Hours

Select 16 hours from any non-WELL courses.

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)
WELL XXXX - Activity Course (1 Credit Hour)
WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Science with a Major in Health Services

Program Overview

The mission of the Health Services program is to provide knowledge and skills in health care delivery, leadership, cultural competency, global health, bioethics, statistics and research/innovation. The program will prepare students to assume medical and health care jobs in health services administration. The goals of the program are to 1) prepare students to assume medical and health care jobs in health services administration, 2) prepare students to work in a team-oriented environment, 3) prepare students to become knowledgeable leaders in the health care industry.

The Bachelor of Science in Health Services is an open-degree undergraduate program. "Open degree" means that students will be able to declare the degree upon matriculation to the university. Students may start their major courses in either the spring, summer or fall semesters. The program consists of courses, both lecture and asynchronous, in the College of Allied Health Sciences, Hull College of Business, Pamplin College and College of Education.

augusta.edu/alliedhealth/allied-health-professions/health-services

Program Contact

Kitty Hernlen, Ed. D, RRT
706-721-8741
khernlen@augusta.edu

Admissions Information

The Health Services program is an open degree program. Students may enter the program by declaring Health Services as their major. Visit the Admissions website for general requirements of Augusta University.

Progression and Graduation Requirements

Completion of all Augusta University graduate requirements. A grade of C or higher in all Major and Field of Study courses.

Program Information

Program Length: 4 Years
Academic Focus Area: Health Professions [HEPR]
CIP Code: 51.0701
Program Code: BS_HLTS
Major Code: HLTS

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

Select 18 hours from the following courses.

CHEM 1151 - Survey of Chemistry I (4 Credit Hours)
CHEM 2410 - Chemistry of Organic and Biomolecules (4 Credit Hours)
CHEM 3411 - Organic Chemistry I (3 Credit Hours) and CHEM 3411L - Organic Chemistry I Laboratory (1 Credit Hour)
ECON 1810 - Introduction to Economics (3 Credit Hours)
KNHS 2300 - Introduction to Medical Terminology (3 Credit Hours)
MATH 1401 - Elementary Statistics (3 Credit Hours)
PHIL 2010 - Introduction to Philosophy (3 Credit Hours)

PSYC 2101 - Introduction to Psychology of Adjustment (3 Credit Hours)
 PSYC 2103 - Introduction to Human Development (3 Credit Hours)
 PSYC 2150 - Introduction to Human Diversity (3 Credit Hours)
 SOCI 1160 - Social Problems Analysis (3 Credit Hours)
 SOCI 2241 - Social and Cultural Diversity (3 Credit Hours)
 Any Core IMPACTS course from the Technology, Mathematics and Sciences area not already used
 Any Math or Science course

Major Courses: 60 Hours

BSHS 3100 - Seminar in Health Services (1 Credit Hour)
 BSHS 3200 - Issue and Challenges in Public Health (3 Credit Hours)
 BSHS 3660 - US Health Care Delivery for Health Services (3 Credit Hours)
 BSHS 4100 - Innovation and Technology in Health Care (3 Credit Hours)
 BSHS 4150 - Health Economics (3 Credit Hours)
 BSHS 4200 - Healthcare Marketing and Commercialization (3 Credit Hours)
 BSHS 4210 - Capstone Project (3 Credit Hours)
 BSHS 4540 - Research in Health Services (3 Credit Hours)
 CAHS 3610 - Ethics for Health Professionals (1 Credit Hour)
 COMM 2010 - Media Literacy (3 Credit Hours)
 HINF 3107 - Principles of Healthcare Management for Health Services (3 Credit Hours)
 HINF 3108 - Human Resources in Healthcare for Health Services (3 Credit Hours)
 HINF 3210 - Principles of Health Informatics and Information Management for Health Services (4 Credit Hours)
 KNHS 3312 - Current Issues in Health and Diseases (3 Credit Hours)
 MGMT 2106 - Legal and Ethical Environment of Business (3 Credit Hours)
 MINF 2201 - Microcomputer Applications (3 Credit Hours)
 MINF 2650 - Principles of Data Management and Analysis (3 Credit Hours)
 POLS 2401 - Introduction to Global Issues (3 Credit Hours)
 POLS 4401 - Government Organization and Administrative Theory (3 Credit Hours)
 STAT 4020 - Statistics and Research Methodology (3 Credit Hours)
 Elective (3 Credit Hours)

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)
 WELL XXXX - Activity Course (1 Credit Hour)
 WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Science with a Major in Health Services and a Concentration in Pre-Speech-Language Pathology

Program Overview

This concentration provides students with a knowledge of human communication and communication disorders in preparation for graduate study in speech-language pathology. The pre-professional courses focuses on speech-language-communication development, head and neck anatomy, introduction to a wide spectrum of communication disorders, as well as the assessment and treatment of communication disorders. The pre-professional courses include the required prerequisite courses for application to the Master of Health Science in Speech-Language Pathology (SLP) program at Augusta University.

Graduates of the concentration can gain immediate employment as an SLP Assistant or SLP Associate. Due to the critical shortage of certified Speech Language Pathologists, there is a high demand for SLP Assistants nationwide. In addition, the students will earn a Bachelor of Science in Health Services, which prepares students for a career in Healthcare Administration.

augusta.edu/alliedhealth/allied-health-professions/health-services

Program Contact

Kitty Hernlen, Ed. D, RRT

706-721-8741

khernlen@augusta.edu

Admissions Information

The Health Services program is an open degree program. Students may enter the program by declaring Health Services as their major with a concentration in Pre-Speech Language Pathology. Visit the Admissions website for general requirements of Augusta University.

Progression and Graduation Requirements

- Completion of all Augusta University graduate requirements
- A grade of C or higher in all Major and Field of Study courses

Program Information

- Program Length: 4 Years
- Academic Focus Area: Health Professions [HEPR]
- CIP Code: 51.0701
- Program Code: BS_HLTS
- Major Code: HLTS
- Attribute Code: PSPE

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

The concentration courses listed below will count towards the Field of Study course requirement.

Major Courses: 57 Hours

BSHS 3100 - Seminar in Health Services (1 Credit Hour)

BSHS 3200 - Issue and Challenges in Public Health (3 Credit Hours)

BSHS 3660 - U.S. Health Care Delivery for Health Services (3 Credit Hours)

BSHS 4100 - Innovation and Technology in Health Care (3 Credit Hours)

BSHS 4150 - Health Economics (3 Credit Hours)

BSHS 4200 - Healthcare Marketing and Commercialization (3 Credit Hours)

BSHS 4210 - Capstone Project (3 Credit Hours)

BSHS 4540 - Research in Health Services (3 Credit Hours)

CAHS 3610 - Ethics for Health Professionals (1 Credit Hour)

COMM 2010 - Media Literacy (3 Credit Hours)

HINF 3107 - Principles of Healthcare Management for Health Services (3 Credit Hours)

HINF 3108 - Human Resources in Healthcare for Health Services (3 Credit Hours)

HINF 3210 - Principles of Health Informatics and Information Management for Health Services (4 Credit Hours)

KNHS 3210 - Motor Behavior (3 Credit Hours)

MGMT 2106 - Legal and Ethical Environment of Business (3 Credit Hours)
 MINF 2201 - Microcomputer Applications (3 Credit Hours)
 MINF 2650 - Principles of Data Management and Analysis (3 Credit Hours)
 POLS 2401 - Introduction to Global Issues (3 Credit Hours)
 POLS 4401 - Government Organization and Administrative Theory (3 Credit Hours)
 STAT 4020 - Statistics and Research Methodology (3 Credit Hours)

Concentration Courses: 18 Credit Hours

SLPP 2100 - Introduction to Speech Language Pathology (3 credit hours)
 SLPP 2102 - Introduction to Audiology (3 Credit Hours)
 SLPP 2101 - Anatomy and Physiology of the Speech and Hearing Mechanism (3 Credit Hours)
 SLPP 2103 - Phonetics (3 Credit Hours)
 SLPP 2104 - Clinical Observations in Speech-Language Pathology (3 Credit Hours)
 SLPP 2105 - Speech and Language Development (3 Credit Hours)

Elective Courses: 3 Hours

Select any three-hour course that has not already been counted as part of the Core courses, Field of Study courses, or Major courses.

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)
 WELL XXXX - Activity Course (1 Credit Hour)
 WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Science with a Major in Mathematics

Program Overview

Graduates who earn a bachelor's degree in mathematics are logical thinkers and trained problem solvers. They have a broad background in a variety of mathematical techniques, and their program of study can emphasize either pure or applied mathematics. They often embark on careers as actuaries, systems analysts, statisticians, economists, or many other careers. A graduate in mathematics is also well prepared to continue their education in a Master's or PhD program in the mathematical sciences, medical school, law school, or other graduate programs.

augusta.edu/scimath/mathematics

Program Contact

Dr. Seth Oppenheimer
 706-737-1672
mathematics@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- A grade of C or better required in all Area F and major concentration courses
- Must complete capstone requirement: MATH 4800 or MATH 4990
- ETS Major Field Test is required

Program Information

Program Length: 4 Years

Academic Focus Area: Science and Mathematics [STEM]

CIP Code: 27.0101

Program Code: 1BS-MATH

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

A grade of C or better is required in all of the following courses.

MATH 2012 - Calculus and Analytical Geometry II (4 Credit Hours)

MATH 2013 - Calculus and Analytical Geometry III (4 Credit Hours)

MATH 2011 - Calculus and Analytical Geometry I (4 Credit Hours) *(1 Hour from the Technology, Mathematics and Sciences (STEM) area of the Core IMPACTS Curriculum)*

MATH 2030 - Logic and Set Theory (3 Credit Hours)

Select one of the following:

CSCI 1301 - Principles of Computer Programming I (4 Credit Hours)

ENGR 2060 - Programming for Science and Engineering (4 Credit Hours)

Select one of the following:

No course may duplicate any previous selection. Overflow hours go into General Electives.

Any 1000 or 2000 level CSCI or AIST course

Any Science course from the Technology, Mathematics and Sciences (STEM) area of the Core IMPACTS Curriculum

FREN 1002 - Elementary French II (3 Credit Hours)

GRMN 1002 - Elementary German II (3 Credit Hours)

FREN 2001 - Intermediate French I (3 Credit Hours)

GRMN 2001 - Intermediate German I (3 Credit Hours)

Major Courses: 27 Hours

A grade of C or better is required in all courses.

MATH 3020 - Differential Equations (3 Credit Hours)

MATH 3280 - Linear Algebra (3 Credit Hours)

MATH 4011 - Real Variables I (3 Credit Hours)

MATH 4211 - Modern Abstract Algebra I (3 Credit Hours)

Sequence Requirement

A sequence of two courses in either abstract algebra, real/complex variables, or statistics is required.

Select from the following options:

Option 1

Take one of the following (the first course in the sequence was taken above):

MATH 4012 - Real Variables II (3 Credit Hours)

MATH 4212 - Modern Abstract Algebra II (3 Credit Hours)

MATH 4510 - Complex Variables (3 Credit Hours)

Option 2

Take both of the following:

MATH 4251 - Probability and Statistics I (3 Credit Hours)

MATH 4252 - Probability and Statistics II (3 Credit Hours)

Elective Courses

Select 6-11 hours from the following:

MATH 3250 - Introduction to Statistics and Data Analysis (3 Credit Hours)
 MATH 3610 - Introduction to Mathematical Models (3 Credit Hours)
 MATH 3710 - Combinatorics (3 Credit Hours)
 MATH 4012 - Real Variables II (3 Credit Hours)
 MATH 4110 - Mathematical Biology (3 Credit Hours)
 MATH 4212 - Modern Abstract Algebra II (3 Credit Hours)
 MATH 4251 - Probability and Statistics I (3 Credit Hours)
 MATH 4252 - Probability and Statistics II (3 Credit Hours)
 MATH 4310 - Modern Geometry (3 Credit Hours)
 MATH 4320 - Theory of Numbers (3 Credit Hours)
 MATH 4350 - Numerical Analysis (3 Credit Hours)
 MATH 4370 - Mathematical Foundations of Cryptography (3 Credit Hours)
 MATH 4420 - Introduction to the Theory of Graphs (3 Credit Hours)
 MATH 4510 - Complex Variables (3 Credit Hours)
 MATH 4520 - General Topology (3 Credit Hours)
 MATH 4530 - Mathematical Methods of Physics (3 Credit Hours)
 MATH 4720 - Partial Differential Equations (3 Credit Hours)
 MATH 4800 - Secondary Mathematics from an Advanced Perspective (3 Credit Hours)
 MATH 4950 - Selected Topics (1 to 3 Credit Hours)
 MATH 4990 - Undergraduate Research (1 to 3 Credit Hours)
 MATH 5110 - Introduction to Biostatistics (3 Credit Hours)
 MATH 5220 - Estimation and Hypothesis Testing (3 Credit Hours)

Capstone Requirement

Select one of the following:

MATH 4990 - Undergraduate Research (1 to 3 Credit Hours)
 MATH 4800 - Secondary Mathematics from an Advanced Perspective (3 Credit Hours)

Electives or Minor and Electives: 33 Hours

At least 12 courses at upper level.

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)
 WELL XXXX - Activity Course (1 Credit Hour)
 WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Science with a Major in Mathematics and a Concentration in Biostatistics or Statistics

Program Overview

Graduates who earn a bachelor's degree in mathematics with a concentration in biostatistics are logical thinkers and trained problem solvers. They have a broad background in a variety of mathematical techniques with a focus on statistics and data science. They embark on careers as statisticians, epidemiologists, actuaries, and many other careers. A graduate is also well prepared to continue their education in graduate school, medical school, or other programs of study.

augusta.edu/scimath/mathematics

Program Contact

Dr. Seth Oppenheimer

706-737-1672

mathematics@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- A grade of C or better required in all Field of Study and major concentration courses
- ETS Major Field Test is required

Program Information

Program Length: 4 Years

Academic Focus Area: Science and Mathematics [STEM]

CIP Code: 27.0101

Program Code: 1BS-MATH

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

A grade of C or better is required in all of the following courses.

MATH 2012 - Calculus and Analytical Geometry II (4 Credit Hours)

MATH 2013 - Calculus and Analytical Geometry III (4 Credit Hours)

MATH 2011 - Calculus and Analytical Geometry I (4 Credit Hours) (*1 Hour from the Technology, Science, and Mathematics area of Core IMPACTS*)

MATH 2030 - Logic and Set Theory (3 Credit Hours)

Plus select one of the following:

CSCI 1301 - Principles of Computer Programming I (4 Credit Hours)

ENGR 2060 - Programming for Science and Engineering (4 Credit Hours)

Plus select one of the following:

No course may duplicate any previous selection. Overflow hours go into General Electives.

FREN 1002 - Elementary French II (3 Credit Hours)

FREN 2001 - Intermediate French I (3 Credit Hours)

GRMN 1002 - Elementary German II (3 Credit Hours)

GRMN 2001 - Intermediate German I (3 Credit Hours)

Any 1000 or 2000 level AIST or CSCI course

Any science course from the Technology, Mathematics and Sciences area of Core IMPACTS

Major Concentration: 28 Hours

Required Courses: 16 Hours

Grade of C or better is required in all courses.

MATH 3020 - Differential Equations (3 Credit Hours)

MATH 3280 - Linear Algebra (3 Credit Hours)

MATH 4011 - Real Variables I (3 Credit Hours)

MATH 4211 - Modern Abstract Algebra I (3 Credit Hours)

MATH 4990 - Undergraduate Research (1 to 3 Credit Hours)

MATH 5110 - Introduction to Biostatistics (3 Credit Hours)
or STAT 7110 - Statistical Models and Methods (3 Credit Hours) *

Course Sequence: 9 Hours

Select one of the following sequences:

Sequence I

MATH 4251 - Probability and Statistics I (3 Credit Hours)
MATH 4252 - Probability and Statistics II (3 Credit Hours)
MATH 5220 - Estimation and Hypothesis Testing (3 Credit Hours)

Sequence II

STAT 7520 - Statistical Theory I (3 Credit Hours) *
STAT 7620 - Statistical Theory II (3 Credit Hours) *
Plus one course from the Math Electives list below

Math Elective: 3 Hours

Select one of the following:

MATH 3250 - Introduction to Statistics and Data Analysis (3 Credit Hours)
MATH 4012 - Real Variables II (3 Credit Hours)
MATH 4350 - Numerical Analysis (3 Credit Hours)
MATH 4420 - Introduction to the Theory of Graphs (3 Credit Hours)
MATH 4510 - Complex Variables (3 Credit Hours)
MATH 4530 - Mathematical Methods of Physics (3 Credit Hours)
MATH 4950 - Selected Topics (1 to 3 Credit Hours)

** Enrollment in STAT 7110, STAT 7520, or STAT 7620 requires admission to the Master of Science with a Major in Biostatistics program.*

Minor Courses/Electives: 33 Hours

Select and fulfill the requirements of a minor in a different discipline than the major and/or select electives as needed to complete the credit hours required for graduation. Select electives from any non-WELL courses. At least 12 hours must be from upper-level courses (3XXX or 4XXX).

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)
WELL XXXX - Activity Course (1 Credit Hour)
WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Science with a Major in Mathematics and a Secondary Teacher Certification

Program Overview

Graduates who earn a bachelor's degree in mathematics are logical thinkers and trained problem solvers. They have a broad background in a variety of mathematical techniques. By earning a secondary teacher certification as well, they are trained in educational theory and pedagogical techniques, and are well prepared for a career as a high school mathematics teacher.

augusta.edu/scimath/mathematics

Program Contact

Dr. Seth Oppenheimer

706-737-1672

mathematics@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- A grade of C or better required in all Field of Study, major concentration, and secondary teacher certification courses
- ETS Major Field Test is required
- Successful completion of SPED 3002
- Submit edTPA for official scoring during student teaching
- GACE Content I and II
- Complete GACE Educator Ethics

Program Information

Program Length: 4 Years

Academic Focus Area: Science and Mathematics [STEM]

CIP Code: 27.0101

Program Code: 1BS-MATH EDU

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

A grade of C or better is required in all of the following courses.

MATH 2011 - Calculus and Analytical Geometry I (4 Credit Hours) (*1 Hour from the Technology, Science, and Mathematics area of Core IMPACTS*)

MATH 2012 - Calculus and Analytical Geometry II (4 Credit Hours)

MATH 2013 - Calculus and Analytical Geometry III (4 Credit Hours)

MATH 2030 - Logic and Set Theory (3 Credit Hours)

Select one of the following:

CSCI 1301 - Principles of Computer Programming I (4 Credit Hours)

ENGR 2060 - Programming for Science and Engineering (4 Credit Hours)

Select one of the following:

No course may duplicate any previous selection. Overflow hours go into General Electives.

FREN 1002 - Elementary French II (3 Credit Hours)

GRMN 1002 - Elementary German II (3 Credit Hours)

FREN 2001 - Intermediate French I (3 Credit Hours)

GRMN 2001 - Intermediate German I (3 Credit Hours)

AIST 1XXX or 2XXX (3 Credit Hours)

CSCI 1XXX or 2XXX (3 Credit Hours)

Any science course from the Technology, Mathematics and Sciences area of Core IMPACTS (3 Credit Hours)

Major Concentration: 27 Hours

A grade of C or better is required in all courses.

MATH 3020 - Differential Equations (3 Credit Hours)
 MATH 3280 - Linear Algebra (3 Credit Hours)
 MATH 4011 - Real Variables I (3 Credit Hours)
 MATH 4211 - Modern Abstract Algebra I (3 Credit Hours)
 MATH 4212 - Modern Abstract Algebra II (3 Credit Hours)
 MATH 4251 - Probability and Statistics I (3 Credit Hours)
 MATH 4310 - Modern Geometry (3 Credit Hours)
 MATH 4800 - Secondary Mathematics from an Advanced Perspective (3 Credit Hours)

Select one of the following:

MATH 3250 - Introduction to Statistics and Data Analysis (3 Credit Hours)
 MATH 3710 - Combinatorics (3 Credit Hours)
 MATH 4012 - Real Variables II (3 Credit Hours)
 MATH 4110 - Mathematical Biology (3 Credit Hours)
 MATH 4252 - Probability and Statistics II (3 Credit Hours)
 MATH 4320 - Theory of Numbers (3 Credit Hours)
 MATH 4350 - Numerical Analysis (3 Credit Hours)
 MATH 4420 - Introduction to the Theory of Graphs (3 Credit Hours)
 MATH 4510 - Complex Variables (3 Credit Hours)
 MATH 4520 - General Topology (3 Credit Hours)
 MATH 4530 - Mathematical Methods of Physics (3 Credit Hours)
 MATH 4950 - Selected Topics (1 to 3 Credit Hours)
 MATH 4990 - Undergraduate Research (1 to 3 Credit Hours)
 MATH 5110 - Introduction to Biostatistics (3 Credit Hours)

Free Electives: 1-2 Hours

As needed to complete the credit hours required for graduation. Select from any non-WELL courses.

Secondary Teacher Certification

A grade of C or better is required in all courses. These courses include a lab (field experience) component totaling 920 clock hours.

Before Admission to Teacher Education: 9 Hours

EDUC 2110 - Investigating Critical and Contemporary Issues in Education (3 Credit Hours)
 EDUC 2120 - Exploring Social-Cultural Perspectives on Diversity (3 Credit Hours)
 EDUC 2130 - Exploring Learning and Teaching (3 Credit Hours)

After Admission to Teacher Education: 25 Hours

EDTD 3200 - Assessment and Differentiation for Adolescent Learners (3 Credit Hours)
 EDTD 4940 - Foundations of Reading Seminar (2 Credit Hours)
 SCED 3102 - Secondary School Context and Curriculum (3 Credit Hours)
 SCED 4301 - Secondary Mathematics Pedagogy I (3 Credit Hours)
 SCED 4901 - Secondary Culminating Residency (11 Credit Hours)
 SPED 3002 - Teaching Students with Disabilities in the Inclusive Classroom (3 Credit Hours)

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)
 WELL XXXX - Activity Course (1 Credit Hour)
 WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 126-127 Hours

Bachelor of Science with a Major in Neuroscience

Program Overview

The major in Neuroscience provides an interdisciplinary education combining classes from Biology, Chemistry, Mathematics, Physics and Psychology. The curriculum will focus on the molecular, structural, physiologic, cognitive, and behavioral aspects of the nervous system. The degree will include neurobiology specific laboratory experiments and opportunities to incorporate undergraduate research experiences. This curriculum prepares a student to pursue a graduate degree or a professional degree in medicine, dentistry, veterinary medicine and other fields as well as being ready for a variety of opportunities in the work force.

augusta.edu/scimath

Program Contact

Dr. Amy Abdulovic-Cui
706-729-2126
aabduloviccui@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- A grade of C or better is required in all Field of Study, Required Lower-division, Major courses and Upper-division Elective courses.
- Students are responsible for checking prerequisites for all courses.

Program Information

Program Length: 4 Years
Academic Focus Area: Health Professions [HEPR]
CIP Code: 26.1501
Program Code: 1BS-BNER

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

CHEM 1211 - Principles of Chemistry I (3 Credit Hours)
CHEM 1211L - Principles of Chemistry I Laboratory (1 Credit Hour)
CHEM 1212 - Principles of Chemistry II (3 Credit Hours)
CHEM 1212L - Principles of Chemistry II Laboratory (1 Credit Hour)
NSCI 2001 - Introduction in Neuroscience (3 Credit Hours)
NSCI 2010 - Introduction to Neuropharmacology (3 Credit Hours)
NSCI 2020 - Neuroscience Seminar (1 Credit Hour)

Plus one of the following:

PSYC 2101 - Introduction to Psychology of Adjustment (3 Credit Hours)
PSYC 2103 - Introduction to Human Development (3 Credit Hours)
PSYC 2150 - Introduction to Human Diversity (3 Credit Hours)

Major Courses: 38-39 Hours

Required Courses: 12 Hours

BIOL 3400 - Cell Biology (3 Credit Hours)
BIOL 3370 - Neurobiology (3 Credit Hours)
NSCI 3001 - Neuroscience Journal Club (1 Credit Hour)
NSCI 3010 - Neuroscience Methods (2 Credit Hours)
NSCI 4990 - Neuroscience Research (3 Credit Hours)

Neuroscience Course: 3 Hours

Select one of the following:

NSCI 4120 - Neurobiology of Disease (3 Credit Hours)
NSCI 4210 - Cognitive Neuroscience (3 Credit Hours)
NSCI 4310 - Developmental Neurobiology (3 Credit Hours)

Lab Course: 3-4 Hours

Select one of the following:

BIOL 3350 - Histology (4 Credit Hours)
BIOL 3380 - Animal Behavior (4 Credit Hours)
BIOL 3700 - Molecular Biology Laboratory (3 Credit Hours)
BIOL 4750 - Developmental Biology (4 Credit Hours)

Biology/Psychology Courses: 9 Hours

Select from the following:

BIOL 3200 - Genetics (3 Credit Hours)
BIOL 4680 - Pathophysiology (3 Credit Hours)
BIOL 4700 - Advanced Cell Biology (3 Credit Hours)
PSYC 3133 - Adult Development and Aging (3 Credit Hours)
PSYC 3143 - Abnormal Psychology (3 Credit Hours)
PSYC 3160 - Sensation and Perception (3 Credit Hours)
PSYC 3180 - Drugs and Behavior (3 Credit Hours)

Upper-Division Courses: 11 Hours

CHEM 3411 - Organic Chemistry I (3 Credit Hours)
CHEM 3411L - Organic Chemistry I Laboratory (1 Credit Hour)
CHEM 3412 - Organic Chemistry II (3 Credit Hours)
CHEM 3412L - Organic Chemistry II Laboratory (1 Credit Hour)

Plus one of the following:

CHEM 4551 - Biochemistry I: Physical Biochemistry (3 Credit Hours)
CHEM 4620 - Principles of Medicinal Chemistry (3 Credit Hours)
MATH 3250 - Introduction to Statistics and Data Analysis (3 Credit Hours)
BIOL 4990 - Undergraduate Research (1 to 10 Credit Hours)
CHEM 4990 - Undergraduate Research (0 to 3 Credit Hours)
MATH 4990 - Undergraduate Research (1 to 3 Credit Hours)
PHYS 4990 - Undergraduate Research (0 to 3 Credit Hours)
PSYC 4990 - Undergraduate Research (1 to 9 Credit Hours)

Free Electives: 21-22 Hours

Select from any non-WELL courses. However, the following Lower-Division Courses are required for the program if not taken as part of the Core IMPACTS requirements.

PSYC 1101 - Introduction to General Psychology (3 Credit Hours)
BIOL 1107 - Principles of Biology I (3 Credit Hours)
BIOL 1107L - Principles of Biology I Laboratory (1 Credit Hour)
BIOL 1108 - Principles of Biology II (3 Credit Hours)

BIOL 1108L - Principles of Biology II Laboratory (1 Credit Hour)

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)

WELL XXXX - Activity Course (1 Credit Hour)

WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Science with a Major in Physics

Program Overview

The BS in physics program provides instruction in each major area of physics. Graduates are well prepared to enter graduate programs in physics, professional programs, or begin employment in any of a variety of areas. Upon completion of Calculus I, students are ready to begin the two-semester introductory physics coursework. The advanced physics coursework is completed in the junior and senior years. Most of the advanced courses are currently offered only every other year, thus the juniors and seniors take the advanced courses together. Many majors participate in undergraduate research projects and present results at professional meetings. The physics faculty work closely with the majors to advise and mentor them through the program.

augusta.edu/scimath/physics

Program Contact

Dr. Thomas Colbert

706-737-1458

tcolbert@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- A grade of C or better is required in all physics courses, required Field of Study courses, and required non-core courses
- Satisfactory Physics Oral Exam departmental requirement
- Satisfactory completion of the Exit Exam

Program Information

Program Length: 4 Years

Academic Focus Area: Science and Mathematics [STEM]

CIP Code: 40.0801

Program Code: 1BS-PHYSICS

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

ENGR 2060 - Programming for Science and Engineering (4 Credit Hours)
 PHYS 2211 - Principles of Physics I (4 Credit Hours)
 PHYS 2212 - Principles of Physics II (4 Credit Hours)
 MATH 2011 - Calculus and Analytical Geometry I (4 Credit Hours)
 MATH 2012 - Calculus and Analytical Geometry II (4 Credit Hours)
 MATH 2013 - Calculus and Analytical Geometry III (4 Credit Hours)

Non-Core Courses: 6-17 Hours

MATH 2011 - Calculus and Analytical Geometry I (4 Credit Hours) *(if not taken in Core IMPACTS, transfer student)*
 ENGR 2060 - Programming for Science and Engineering (4 Credit Hours) *(3 Hours from Field of Study courses)*
 CHEM 1211 - Principles of Chemistry I (3 Credit Hours)
 CHEM 1211L - Principles of Chemistry I Laboratory (1 Credit Hour)
 CHEM 1212 - Principles of Chemistry II (3 Credit Hours) *(if not taken in Core IMPACTS)*
 CHEM 1212L - Principles of Chemistry II Laboratory (1 Credit Hour)
 MATH 3020 - Differential Equations (3 Credit Hours)

Major Concentration: 36 Hours

PHYS 3011 - Electronics I (4 Credit Hours)
 PHYS 3012 - Electronics II (4 Credit Hours)
 PHYS 3250 - Theoretical Mechanics (4 Credit Hours)
 PHYS 3260 - Computational Physics (3 Credit Hours)
 PHYS 3300 - Modern Physics (3 Credit Hours)
 PHYS 4010 - Advanced Laboratory (3 Credit Hours)
 PHYS 4051 - Electromagnetic Theory I (3 Credit Hours)
 PHYS 4052 - Electromagnetic Theory II (3 Credit Hours)
 PHYS 4310 - Thermal Physics (3 Credit Hours)
 PHYS 4530 - Mathematical Methods of Physics (3 Credit Hours)
 PHYS 4600 - Quantum Mechanics (3 Credit Hours)

Free Electives: 7-18 Hours

As needed to complete the credit hours required for graduation. Select from any non-WELL courses.

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)
 WELL XXXX - Activity Course (1 Credit Hour)
 WELL XXXX - Activity Course (1 Credit Hour)

Total Hours for Degree: 124 Hours

Bachelor of Science with a Major in Physics and a Concentration in Nuclear Science

Program Overview

In addition to a broad preparation in physics, the nuclear science concentration of the BS physics degree provides students with a thorough introduction to the basic properties of the nucleus, nuclear decay, radiation properties and applications of each of these topics. Radiation detection and measurements are explored in the nuclear laboratory course. Upon completion of Calculus I, students are ready to begin the 2-semester introductory physics coursework. The advanced physics coursework is completed in the

junior and senior years. The 3 nuclear courses are currently taught every year, while most of the other advanced courses are every other year. This allows juniors and seniors to take many of their courses together. Local and regional nuclear industry provides numerous employment opportunities. Many nuclear students complete internships with Savannah River National Laboratory and physics majors often participate in undergraduate research projects and present their work at professional meetings. The physics faculty work closely with the majors to advise and mentor them through the program. The nuclear science concentration includes three specialized nuclear science courses, an intro course in fall plus an applications course and measurements lab in the spring.

augusta.edu/scimath/physics

Program Contact

Dr. Thomas Colbert

706-737-1458

tcolbert@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- A grade of C or better is required in all physics courses, required Field of Study courses, and required non-core courses
- Satisfactory Physics Oral Exam departmental requirement
- Satisfactory completion of the Exit Exam
- Courses marked with an asterisk are recommended for students who intend to pursue graduate studies in health physics

Program Information

Program Length: 4 Years

Academic Focus Area: Science and Mathematics [STEM]

CIP Code: 40.0801

Program Code: 1BS-PHYSICS

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

CSCI 1301 - Principles of Computer Programming I (4 Credit Hours)

or ENGR 2060 - Programming for Science and Engineering (4 Credit Hours)

PHYS 2211 - Principles of Physics I (4 Credit Hours)

PHYS 2212 - Principles of Physics II (4 Credit Hours)

MATH 2011 - Calculus and Analytical Geometry I (4 Credit Hours) (*1 hour applied here*)

MATH 2012 - Calculus and Analytical Geometry II (4 Credit Hours)

MATH 2013 - Calculus and Analytical Geometry III (4 Credit Hours)

Non-Core Courses: 6-14 Hours

Includes spillover hours from Field of Study courses.

CHEM 1211 - Principles of Chemistry I (3 Credit Hours)

CHEM 1212 - Principles of Chemistry II (3 Credit Hours) (*if not taken in Core IMPACTS*)

MATH 3020 - Differential Equations (3 Credit Hours)

CHEM 1211L - Principles of Chemistry I Laboratory (1 Credit Hour)

CHEM 1212L - Principles of Chemistry II Laboratory (1 Credit Hour)

Major Concentration: 29 Hours

PHYS 3000 - Introduction to Nuclear Science (3 Credit Hours)
PHYS 3010 - Introduction to Nuclear Measurements (3 Credit Hours)
PHYS 3011 - Electronics I (4 Credit Hours)
PHYS 3020 - Application of Nuclear Science (3 Credit Hours)
PHYS 3250 - Theoretical Mechanics (4 Credit Hours)
PHYS 3300 - Modern Physics (3 Credit Hours)
PHYS 4051 - Electromagnetic Theory I (3 Credit Hours)
PHYS 4310 - Thermal Physics (3 Credit Hours)
PHYS 4010 - Advanced Laboratory (3 Credit Hours)

Major Electives: 7 Hours

Select from the following with advisor assistance:

PHYS 3012 - Electronics II (4 Credit Hours)
PHYS 3260 - Computational Physics (3 Credit Hours) *
PHYS 3990 - Undergraduate Research (0 to 3 Credit Hours)
PHYS 4052 - Electromagnetic Theory II (3 Credit Hours)
PHYS 4530 - Mathematical Methods of Physics (3 Credit Hours) *
PHYS 4600 - Quantum Mechanics (3 Credit Hours) *
PHYS 4990 - Undergraduate Research (0 to 3 Credit Hours)

**Recommended for students who intend to pursue graduate studies in health physics.*

Free Electives: 10-18 Hours

As needed to complete the credit hours required for graduation. Select from any non-WELL courses.

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)
WELL XXXX - Activity Course (1 Credit Hour)
WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Science with a Major in Psychology

Program Overview

A Bachelor of Science in Psychology prepares students for diverse and rewarding careers through classes in human learning, cognition, social psychology, biological psychology, development, and more. Students have opportunities to take part in undergraduate research, internships, study abroad, the leadership certificate, Honors classes and more.

augusta.edu/pamplin/psychology

Program Contact

Dr. Tadd B. Patton
706-737-1420
tpatton@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- A grade of C or better is required in PSYC 1101, PSYC 2101, and PSYC 2150 in Field of Study courses.
- A grade of C or better is required in all Foundation Courses, Advanced Theory Courses, and Major Elective courses.
- The best set of courses to take as a psychology major varies depending on one's career expectations. Students should meet with their academic advisor every semester to plan classes carefully. The foundation series of courses requires a minimum of three successive semesters to complete.
- To progress in a timely manner toward graduation, students should enroll in PSYC 3190 and PSYC 3121 no later than the first semester of the Junior year. Students are responsible for checking prerequisites for all courses in the Catalog.

Program Information

Program Length: 4 Years

Academic Focus Area: Social Sciences [SOSC]

CIP Code: 42.0101

Program Code: 1BS-PSYCH

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

A grade of C or better required in these courses.

PSYC 1101 - Introduction to General Psychology (3 Credit Hours)

PSYC 2101 - Introduction to Psychology of Adjustment (3 Credit Hours)

PSYC 2150 - Introduction to Human Diversity (3 Credit Hours)

Select remaining 9 hours from approved 1000-2000 courses

A grade of D or better required in these courses.

ANTH 1102 - Introductory Anthropology (3 Credit Hours)

ANTH 2011 - Cultural Anthropology (3 Credit Hours)

CHEM 1211 - Principles of Chemistry I (3 Credit Hours)

CHEM 1212 - Principles of Chemistry II (3 Credit Hours)

CSCI 1200 - Introduction to Computers and Programming (3 Credit Hours)

CRJU 1103 - Introduction to Criminal Justice (3 Credit Hours)

ECON 1810 - Introduction to Economics (3 Credit Hours)

ECON 2105 - Macroeconomics (3 Credit Hours)

ECON 2106 - Microeconomics (3 Credit Hours)

GEOG 1111 - World Geography (3 Credit Hours)

GEOL 1122 - Introductory Geosciences II: Historical Geology (4 Credit Hours)

HONR 1900 - Honors: Contemporary Issues (3 Credit Hours)

MATH 1220 - Applied Calculus (3 Credit Hours)

MATH 1401 - Elementary Statistics (3 Credit Hours)

MILS 2011 - Individual Leadership Studies (3 Credit Hours)

MILS 2021 - Leadership and Teamwork (3 Credit Hours)

MINF 2201 - Microcomputer Applications (3 Credit Hours)

PHIL 2010 - Introduction to Philosophy (3 Credit Hours)

POLS 2000 - Society, Law, and the Criminal (3 Credit Hours)

POLS 2401 - Introduction to Global Issues (3 Credit Hours)
 PSYC 2103 - Introduction to Human Development (3 Credit Hours)
 SOCI 1101 - Introduction to Sociology (3 Credit Hours)
 SOCI 1160 - Social Problems Analysis (3 Credit Hours)
 SOCI 2241 - Social and Cultural Diversity (3 Credit Hours)
 SOWK 1101 - Introduction to Social Work Practices (3 Credit Hours)
 SOWK 2100 - Social Welfare History and Philosophy (3 Credit Hours)
 WGST 1101 - Introduction to Women's and Gender Studies (3 Credit Hours)
 Foreign Language 2XXX – Foreign Language Elective (3 Credit Hours)

Major Courses: 33 Hours

Foundation Courses: 9 Hours

A grade of C or better is required in all courses.

PSYC 3121 - Quantitative Methods (3 Credit Hours) (*must be taken before PSYC 3122*)
 PSYC 3122 - Research Methods (3 Credit Hours)
 PSYC 3190 - Ethical and Professional Foundations (3 Credit Hours)

Advanced Theory Courses: 6 Hours

Select at least two of the following, earning grade C or better in each course:

PSYC 4115 - History and Systems of Psychology (3 Credit Hours)
 PSYC 4125 - Psychological Tests and Measurement (3 Credit Hours)
 PSYC 4165 - Learning Principles and Applications (3 Credit Hours)
 PSYC 4168 - Cognitive Psychology (3 Credit Hours)
 PSYC 4173 - Social Psychology (3 Credit Hours)
 PSYC 4180 - Behavioral Neuroscience (3 Credit Hours)

Major Electives: 18 Hours

Select from the following, earning a grade of C or better in each course:

PSYC 3XXX – Psychology Elective
 PSYC 4XXX – Psychology Elective

Note: No more than 3 credit hours counted in the major may come from undergraduate research (PSYC 4990), internship (PSYC 4960), independent study (PSYC 4950), and/or HONR 3999/4000. This policy does not apply to non-repetitive special topics courses which might carry a PSYC 3950 or PSYC 4950 designation.

Minor and Electives: 27 Hours

There are two options for completing these hours. One option is to choose a minor; the second option is to take general electives without a minor. Regardless of the option selected, students must meet the university requirement of 39 hours of upper-level coursework, 33 of which are met through the major.

Option I - Minor

The minor is optional for Psychology majors. Students who plan carefully may take advantage of the minor to designate an area of subspecialty.

Minor Courses: 15-18 Hours

Students majoring in psychology may select a minor and should consult with their advisor on this selection, especially in cases where the student wishes the minor to support career goals. Some minors require 15 hours, others require 18 hours. Note that the minor must be in a different discipline than the major. Please see the catalog description for any given minor to determine the requirements.

Free Electives: 9-12 Hours

Free electives may be taken at any level, and may include additional psychology courses. Wellness classes (WELL) may not count toward the free electives.

Option II - No Minor

If a student chooses not to take a minor, they may take more psychology upper-level electives or electives from other disciplines, as long as they satisfy the requirement of 39 total upper-level hours. Students may substitute a second major for the minor and/or elective courses. Details on taking a second major are provided elsewhere in the catalog and may require 3 additional credits for graduation.

Free Electives:

Free electives may be taken at any level and may include additional psychology courses. The student should consult with the advisor to ensure that the electives include at least 6 credit hours of upper-division classes in addition to the major. Wellness classes (WELL) may not count toward the free electives.

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)

WELL XXXX - Activity Course (1 Credit Hour)

WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Bachelor of Social Work

Bachelor of Social Work

Program Overview

The distinction of the Augusta University CSWE accredited Social Work program comes in small interactive courses with individual mentoring taught by social workers with considerable practice experience. The social work program is designed to prepare students for generalist social work practice upon graduation. Coursework also prepares students with the groundwork to pursue and succeed in an MSW graduate programs or other graduate or professional programs.

augusta.edu/pamplin/social-sciences/social-work

Program Accreditation

This program is accredited by the Council on Social Work Education (CSWE).

Program Contact

William Hatcher, PhD

706-737-1710

socsci@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- A grade of C or better is required in all Major courses, as well as CRJU 1103, SOCI 1101, SOCI 1160, SOWK 2100 and SOWK 2102
- A grade of B or better is required in SOWK 1101
- BIOL 1101, PSYC 1101 and SOCI 1101 should be selected in the core as they are prerequisites for SOWK 3300

Program Information

Program Length: # Years

CIP Code: 44.0701

Program Code: 1BSW-SOCW

Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

SOWK 1101 - Introduction to Social Work Practices (3 Credit Hours) (grade of B or better)

SOWK 2100 - Social Welfare History and Philosophy (3 Credit Hours) (*Grade of C or better*)

SOWK 2102 - Fundamentals of Social Work Practice (3 Credit Hours) (*Grade of C or better*)

Select 3 courses not chosen above:

ANTH 2011 - Cultural Anthropology (3 Credit Hours)

BIOL 1101 - Fundamentals of Biology (3 Credit Hours)

CRJU 1103 - Introduction to Criminal Justice (3 Credit Hours) (*Grade of C or better*)

ECON 1810 - Introduction to Economics (3 Credit Hours)

or ECON 2105 - Macroeconomics (3 Credit Hours)

MATH 1401 - Elementary Statistics (3 Credit Hours)

PSYC 1101 - Introduction to General Psychology (3 Credit Hours)

PSYC 2103 - Introduction to Human Development (3 Credit Hours)

SOCI 1101 - Introduction to Sociology (3 Credit Hours) (*Grade of C or better*)

SOCI 1160 - Social Problems Analysis (3 Credit Hours) (*Grade of C or better*)

Two-course foreign language sequence (preferably Spanish) (6 Credit Hours)

Lower-Division Courses:

If not already taken in the Core IMPACTS or Field of Study areas, part of the above 9-10 hours.

BIOL 1101 - Fundamentals of Biology (3 Credit Hours)

BIOL 1102 - Environmental Biology (3 Credit Hours) (Strongly recommended)

MATH 1401 - Elementary Statistics (3 Credit Hours) (Strongly recommended)

While not required for the degree, the following courses are required as prerequisites to SOWK 3300 and should be considered when making core course choices:

PSYC 1101 - Introduction to General Psychology (3 Credit Hours)

SOCI 1101 - Introduction to Sociology (3 Credit Hours)

Major Requirements: 48 Hours

A grade of C or better is required in all courses.

SOWK 3300 - Human Behavior in the Social Environment I (3 Credit Hours)

SOWK 3301 - Human Behavior in the Social Environment II (3 Credit Hours)

SOWK 3400 - Social Work Practice I (3 Credit Hours)

SOWK 3401 - Generalist Practice in Groups (3 Credit Hours)

SOWK 3402 - Generalist Practice in Communities (3 Credit Hours)

SOWK 3500 - Social Welfare Policy (3 Credit Hours)

SOWK 3501 - Child and Family Welfare (3 Credit Hours)

SOWK 3600 - Social Work Research I (3 Credit Hours)
SOWK 3601 - Social Work Research II (3 Credit Hours)
SOWK 4421 - Gerontology (3 Credit Hours)
SOWK 4601 - Integrated Seminar I (3 Credit Hours)
SOWK 4602 - Integrative Seminar II (3 Credit Hours)
SOWK 4701 - Field Placement I (6 Credit Hours)
SOWK 4702 - Field Placement II (6 Credit Hours)

Free Electives: 6-12 Hours

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)
WELL XXXX - Activity Course (1 Credit Hour)
WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Dual Degrees/Accelerated Programs

A dual degree program gives you the distinction of graduating with two degrees—usually in less time than it would take to earn each one individually.

Accelerated Bachelor's to Master's

Accelerated Bachelor of Arts with a Major in Communication to Master of Public Administration Program Overview

The Master of Public Administration (MPA) at Augusta University is the preferred degree for professionals working in government and the nonprofit sector. Accredited by the Network of Public Policy, Affairs, and Administration (NASPAA), the MPA degree is a versatile degree that allows students to advance their careers in numerous fields in the public sector, such as managing cybersecurity, economic development, criminal justice, city-county management, emergency management, and many others.

augusta.edu/pamplin/mpa

Program Contact

Dr. Wesley Meares, MPA Director
706-737-1710
mpa_program@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

Students applying for this program must:

- Apply for the accelerated degree before their senior year
- Have completed at least 30 hours of coursework at Augusta University.
- Have an overall cumulative undergraduate GPA of 3.0 or better.
- Be within 30 semester hours of graduating with either a BA in communication
- Have written permission of the chair of the department of the undergraduate major to use the graduate level courses as acceptable substitutes to fulfill related requirements of the bachelor's degree (students must satisfy all prerequisites for those graduate courses).
- Meet all requirements for admission into the MPA program and be in good standing with the university (except for receipt of the undergraduate degree).
- Submit an application for admission in the spring semester of the junior year to the Accelerated Bachelor's-Master's Degree Program, along with all necessary admissions documentation to The Graduate School according to institutional policy.

Once accepted to the program, students must:

- Take the following three MPA courses:
 - PADM 6000 - Survey of Public Administration (3 Credit Hours)
 - PADM 6600 - Analytical Tools for Decision Makers (3 Credit Hours)
 - PADM 6150 - Leadership and Ethics (3 Credit Hours)
- All three courses will count for towards both the BA and the MPA
- Graduate with the BA
- Continue with the MPA to complete all other degree requirements

Program Information

Program Length: 5 Years

Degree Requirements

See the individual listings for the Bachelor of Arts with a Major in Communication and the Master of Public Administration.

Accelerated Bachelor of Arts with a Major in Communication to Master of Arts in Intelligence and Security Studies with a Concentration in Social Influence

Program Overview

This program is designed as a 4 +1 where students earn a Bachelor of Arts with a Major in Communication as well as a Master of Arts with a Major in Intelligence and Security Studies with a Concentration in Social Influence. The purpose of this accelerated option is to give students expertise in communication as well as into propaganda and information warfare within the national security landscape. Social influence and persuasion are heavily influenced by communication, especially through social media and digital content, and thus, the two options pair well together for the purpose of U.S. national security.

augusta.edu/pamplin/communication

augusta.edu/pamplin/maiss

Program Contact

Dr. Craig Albert, Professor and Program Director

706-737-1710
calbert@augusta.edu

Admissions Information

Students applying to this program must:

- Apply for the accelerated degree before their senior year
- Have completed at least 30 hours of coursework at Augusta University
- Have an overall cumulative undergraduate GPA of 3.0 or better
- Be within 30 semester hours of graduating with a BA in Communication
- Have written permission of the chair of the department of the undergraduate major to use the graduate level courses as acceptable substitutes to fulfill related requirements of the bachelor's degree
- Meet all requirements for admission into the MAISS program and be in good standing with the university (except for receipt of the undergraduate degree)
- Submit an application for admission in the spring semester of the junior year to the Accelerated Bachelor's-Master's Degree Program, along with all necessary admissions documentation to The Graduate School according to institutional policy

For more information on admissions requirements, visit the Office of Admissions website augusta.edu/admissions.

Progression and Graduation Requirements

Once accepted to the program, students must:

- Take the following three MAISS courses:
 - SECR 6168 - Cross-Cultural Security and Psychology (3 Credit Hours)
 - SECR 6920 - Weaponizing Information: The History and Theory of Propaganda (3 Credit Hours)
 - SECR 6982 - Information Warfare (3 Credit Hours)
- Graduate with the BA
- Continue with the MAISS to complete all other degree requirements
- Maintain a minimum 2.7 GPA in the MAISS program in order to graduate

Program Information

- Program Length: 5 Years
- CIP Code: 45.0999 0 International Relations and National Security Studies, Other.

Dual Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

COMM 2000 - Writing for Communication Professionals (3 Credit Hours)
COMM 2010 - Media Literacy (3 Credit Hours)
COMM 2020 - Introduction to Research (3 Credit Hours)

Field of Study Electives: 9 Hours

Select any combination of the following:

ANTH 1XXX or 2XXX
ARAB 1XXX or 2XXX
ART 1XXX or 2XXX
CHNS 1XXX or 2XXX

COMM 1XXX or 2XXX
 ENGL 1XXX or 2XXX
 FILM 1XXX or 2XXX
 FITH 1XXX or 2XXX
 FREN 1XXX or 2XXX
 GEOG 1XXX or 2XXX
 GERM 1XXX or 2XXX
 HIST 1XXX or 2XXX
 LDRS 1XXX or 2XXX
 PHIL 1XXX or 2XXX
 POLS 1XXX or 2XXX
 PSYC 1XXX or 2XXX
 SOCI 1XXX or 2XXX
 SOSC 1XXX or 2XXX
 SPAN 1XXX or 2XXX
 THEA 1XXX or 2XXX
 WGST 1XXX or 2XXX

Note: Transferred language courses not taught at Augusta University (i.e., LANG courses) may also count.

Undergraduate Major Courses: 15 Hours

COMM 3000 - Theoretical Perspectives (3 Credit Hours)
 COMM 3010 - Advanced Public Speaking (3 Credit Hours)
 COMM 3020 - Writing for Multimedia Platforms (3 Credit Hours)
 COMM 3030 - Audiovisual Media Production (3 Credit Hours)
 COMM 3600 - Integrated Strategic Communication (3 Credit Hours)

Undergraduate Major Electives: 15 Hours

Select five of the following:

COMM 3040 - Interpersonal Communication (3 Credit Hours)
 COMM 3060 - History of Mass Media (3 Credit Hours)
 COMM 3100 - Communications for Professionals (3 Credit Hours)
 COMM 3120 - Television Production (3 Credit Hours)
 COMM 3170 - Small Group Communication (3 Credit Hours)
 COMM 3180 - Television History (3 Credit Hours)
 COMM 3200 - Communication and Popular Culture (3 Credit Hours)
 COMM 3220 - Public Relations Writing (3 Credit Hours)
 COMM 3250 - Persuasion (3 Credit Hours)
 COMM 3300 - Introduction to Visual Communication (3 Credit Hours)
 COMM 3320 - Digital Editing (3 Credit Hours)
 COMM 3500 - Intercultural Communication (3 Credit Hours)
 COMM 3650 - Health Communication (3 Credit Hours)
 COMM 4000 - Communication Law and Ethics (3 Credit Hours)
 COMM 4010 - Preparing and Producing Visual Media (3 Credit Hours)
 COMM 4020 - Investigative Reporting (3 Credit Hours)
 COMM 4120 - Gender and Communication (3 Credit Hours)
 COMM 4300 - Visual Storytelling (3 Credit Hours)
 COMM 4320 - Public Relations and Social Media Campaigns (3 Credit Hours)
 COMM 4340 - Sports Communication (3 Credit Hours)
 COMM 4400 - Media Editing and Production (3 Credit Hours)
 COMM 4950 - Advanced Special Topics in Communications (3 Credit Hours)
 COMM 4960 - Professional Internship (3 to 6 Credit Hours)
 COMM 4990 - Undergraduate Student Research (3 Credit Hours)
 SECR 6168 - Cross-Cultural Security and Psychology (3 Credit Hours)

SECR 6920 - Weaponizing Information: The History and Theory of Propaganda (3 Credit Hours)
 SECR 6982 - Information Warfare (3 Credit Hours)

Undergraduate Free Electives: 27 Hours

To complete the requirements for the BA in Communication, students must also take 27 free elective hours, including 21 hours from 1000-4000 level academic courses and 6 hours from 3000-4000 level academic courses.

Free Elective 1XXX, 2XXX, 3XXX, 4XXX (3 Credit Hours)
 Free Elective 1XXX, 2XXX, 3XXX, 4XXX (3 Credit Hours)
 Free Elective 1XXX, 2XXX, 3XXX, 4XXX (3 Credit Hours)
 Free Elective 1XXX, 2XXX, 3XXX, 4XXX (3 Credit Hours)
 Free Elective 1XXX, 2XXX, 3XXX, 4XXX (3 Credit Hours)
 Free Elective 1XXX, 2XXX, 3XXX, 4XXX (3 Credit Hours)
 Free Elective 1XXX, 2XXX, 3XXX, 4XXX (3 Credit Hours)
 Free Elective 3XXX or 4XXX (3 Credit Hours)
 Free Elective 3XXX or 4XXX (3 Credit Hours)

Undergraduate Capstone: 3 Hours

COMM 4970 - Capstone (3 Credit Hours)

Shared Undergraduate/Graduate Courses: 9 Hours

SECR 6168 - Cross-Cultural Security and Psychology (3 Credit Hours)
 SECR 6920 - Weaponizing Information: The History and Theory of Propaganda (3 Credit Hours)
 SECR 6982 - Information Warfare (3 Credit Hours)

Graduate Core Courses: 18 Hours

SECR 6411 - Introduction to Intelligence Studies (3 Credit Hours)
 or SECR 6980 - Introduction to Cyber Intelligence and Cybersecurity Policy (3 Credit Hours)
 SECR 6412 - Intelligence Collection (3 Credit Hours)
 or SECR 6415 - Intelligence Analysis (3 Credit Hours)
 or SECR 6981 - Cyber Conflict: History and Theory of Cyber War (3 Credit Hours)
 SECR 6351 - Homeland Security (3 Credit Hours)
 or SECR 6906 - Terrorism Studies (3 Credit Hours)
 SECR 6600 - Research Design and Writing for Intelligence and Security Studies (3 Credit Hours)
 SECR 6910 - International Relations Theory (3 Credit Hours)
 SECR 6911 - Introduction to Security Studies (3 Credit Hours)

Graduate Concentration Courses: 12 Hours

SECR 6168 - Cross-Cultural Security and Psychology (3 Credit Hours)
 SECR 6413 - Open-Source Intelligence (3 Credit Hours)
 SECR 6920 - Weaponizing Information: The History and Theory of Propaganda (3 Credit Hours)
 SECR 6982 - Information Warfare (3 Credit Hours)

Graduate Electives

AIST 6359 - Legal Issues in Information Security (3 Credit Hours)
 AIST 6510 - Information Systems Security I (3 Credit Hours)
 AIST 6515 - Information Systems Security II (3 Credit Hours)
 ECON 6800 - National and International Economics for Management (3 Credit Hours)
 MGMT 6500 - Organizational Behavior (3 Credit Hours)
 MGMT 6510 - Managerial Leadership: Professional and Personal Development (3 Credit Hours)
 PADM 6020 - Geographic Information Systems for Public Management (3 Credit Hours)
 PADM 6150 - Leadership and Ethics (3 Credit Hours)
 QUAN 6600 - Business Analytics for Managers (3 Credit Hours)
 SECR 6168 - Cross-Cultural Security and Psychology (3 Credit Hours)

SECR 6412 - Intelligence Collection (3 Credit Hours)
 SECR 6413 - Open-Source Intelligence (3 Credit Hours)
 SECR 6414 - Public Health and Medical Intelligence: Security and Civilian Principles and Applications (3 Credit Hours)
 SECR 6415 - Intelligence Analysis (3 Credit Hours)
 SECR 6650 - National Security and Public Policy (3 Credit Hours)
 SECR 6809 - Ethnic Conflict and Political Violence (3 Credit Hours)
 SECR 6810 - The Politics of Islam and International Security (3 Credit Hours)
 SECR 6813 - Environmental Issues in International Security (3 Credit Hours)
 SECR 6814 - Space and International Security (3 Credit Hours)
 SECR 6815 - Weapons of Mass Destruction and International Security (3 Credit Hours)
 SECR 6912 - Counterterrorism Studies (3 Credit Hours)
 SECR 6913 - Critical Security Studies (3 Credit Hours)
 SECR 6914 - Future Wars (3 Credit Hours)
 SECR 6915 - The Economics of International Security (3 Credit Hours)
 SECR 6917 - Democracy and Conflict (3 Credit Hours)
 SECR 6918 - Stability and Peacekeeping Operations (3 Credit Hours)
 SECR 6919 - The Psychology of Terrorism (3 Credit Hours)
 SECR 6920 - Weaponizing Information: The History and Theory of Propaganda (3 Credit Hours)
 SECR 6950 - Selected Topics in Intelligence and Security Studies (3 Credit Hours)
 SECR 6980 - Introduction to Cyber Intelligence and Cybersecurity Policy (3 Credit Hours)
 SECR 6981 - Cyber Conflict: History and Theory of Cyber War (3 Credit Hours)
 SECR 6982 - Information Warfare (3 Credit Hours)
 SECR 6983 - Hybrid Warfare (3 Credit Hours)
 SECR 7000 - Directed Readings in Intelligence and Security Studies (0 to 6 Credit Hours)

Graduate Capstone: 6 Hours

Select one of the following options:

SECR 6997 - Capstone (0 to 6 Credit Hours)
 SECR 6998 - Thesis I (3 Credit Hours)
 and SECR 6999 - Thesis II (3 Credit Hours)
 SECR 6916 - The Causes and Prevention of War (3 Credit Hours)
 and any other SECR course (courses not taken from Cyber/Intel above are recommended) (3 Credit Hours)

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)
 WELL XXXX - Activity Course (1 Credit Hour)
 WELL XXXX - Activity Course (1 Credit Hour)

Dual Degree Total: 151 Hours

Accelerated Bachelor of Arts with a Major in Criminal Justice to Master of Arts in Intelligence and Security Studies

Program Overview

The Master of Arts in Intelligence and Security Studies (MAISS) prepares students and industry leaders to address the intelligence and security challenges in an interconnected world. The coursework is focused on inter and intrastate conflict, terrorism and counterterrorism, and national, regional, and global strategic

security and cybersecurity threats. The program prepares students for careers in the areas of strategic security policy, intelligence analysis, and for advancement in military, law enforcement, and academia.

augusta.edu/pamplin/maiss

Program Contact

Dr. Craig Albert
706-737-1710
socsci@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

Students applying for this program must:

- Apply for the accelerated degree in their junior year.
- Have completed at least 30 hours of coursework at Augusta University.
- Have an overall cumulative undergraduate GPA of 3.00 or better.
- Be within 30 credit hours of graduating with either a BA in Criminal Justice or a BA in Political Science, or a BA in Criminal Justice (or other majors upon approval).
- Have written permission of the chair of the department of the undergraduate major to use the graduate level courses as acceptable substitutes to fulfill related requirements of the bachelor's degree (students must satisfy all prerequisites for those graduate courses).
- Meet all requirements for admissions into the MAISS program and be in good standing with the university (except for receipt of the undergraduate degree)
- Submit an application for admissions in the spring semester of the junior year to the BA to MAISS program, along with all necessary admissions documentation to The Graduate School according to institutional policy.

Once accepted to the program, students must:

- Take three of the following courses during their senior year in both the BA and MAISS program: SECR 6351, SECR 6411, SECR 6600, SECR 6906, SECR 6911
- Only count up to nine credit hours of MAISS courses during dual enrollment toward both the BA and MAISS requirements
- Graduate with the BA
- Continue with MAISS degree to complete all other degree requirements

Dual Degree Requirements

See the individual listings for the Bachelor of Arts with a Major in Criminal Justice and the Master of Arts in Intelligence and Security Studies.

Shared Undergraduate/Graduate Courses

Select three of the following:

SECR 6351 - Homeland Security (3 Credit Hours)

SECR 6411 - Introduction to Intelligence Studies (3 Credit Hours)

SECR 6600 - Research Design and Writing for Intelligence and Security Studies (3 Credit Hours)

SECR 6906 - Terrorism Studies (3 Credit Hours)

SECR 6911 - Introduction to Security Studies (3 Credit Hours)

Dual Degree Total = 151 Hours

Accelerated Bachelor of Arts with a Major in Criminal Justice to Master of Public Administration

Program Overview

The Master of Public Administration (MPA) at Augusta University is the preferred degree for professionals working in government and the nonprofit sector. Accredited by the Network of Public Policy, Affairs, and Administration (NASPAA), the MPA degree is a versatile degree that allows students to advance their careers in numerous fields in the public sector, such as managing cybersecurity, economic development, criminal justice, city-county management, emergency management, and many others. Many of our classes are scheduled at night and on the weekends to better accommodate the working professionals in our program and our faculty includes traditional academics, "pracademics" (academics with career experience in government or non-profit organizations), and working professionals to offer practical experience.

augusta.edu/pamplin/mpa

Program Contact

Dr. Wesley Meares

706-737-1710

mpa_program@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

Students applying for this program must:

- Apply for the accelerated degree in their junior year.
- Have completed at least 30 hours of coursework at Augusta University.
- Have an overall cumulative undergraduate GPA of 3.25 or better.
- Be within 30 semester hours of graduating with either a BA in Criminal Justice or a BA in Political Science (or other majors upon approval).
- Have written permission of the chair of the department of the undergraduate major to use the graduate level courses as acceptable substitutes to fulfill related requirements of the bachelor's degree (students must satisfy all prerequisites for those graduate courses).
- Meet all requirements for admissions into the MPA program and be in good standing with the university (except for receipt of the undergraduate degree and the completion of the GRE).
- Submit an application for admissions in the spring semester of the junior year to the BA to MPA program, along with all necessary admissions documentation to The Graduate School according to institutional policy.

Once accepted to the program, students must:

- Take the following courses during their senior year in both the BA and MPA program:
 - PADM 6000, PADM 6150, and PADM 6600
- Only count up to nine credit hours of MPA courses during dual enrollment toward both the BA and MPA requirements
- Graduate with the BA
- Continue with MPA degree to complete all other degree requirements.

Degree Requirements

See the individual listings for the Bachelor of Arts with a Major in Criminal Justice and the Master of Public Administration.

Accelerated Bachelor of Arts with a Major in Health, Society, and Policy to Master of Science in Epidemiology

Program Overview

The BA in Health, Society, and Policy (HESP) to the MS in Epidemiology provide qualified students interested in health policy, health care, and epidemiology an accelerated route to earn both the BA degree and the MS degree within five years. Having an accelerated route provides students with a pipeline to future employment in health care and epidemiology.

The BA in HESP degree is a 124-credit hour undergraduate program. The MS in Epidemiology degree is a 36-credit hour graduate program, which is delivered completely online. Qualified students (see below for the program's requirements) will take four courses in the MS in Epidemiology program (12 credit hours) during their senior year as an undergraduate in the BA in HESP program. Three of the four courses will double count toward the BA and MS degrees. If students successfully complete their undergraduate courses and earn a B or higher in the MS in Epidemiology courses, then they will graduate with the BA in HESP and automatically transition into the MS in Epidemiology program. While finishing the BA in HESP program, tuition and fees will be at the undergraduate level.

Program Contact

Dr. William Hatcher
706-737-1710
socsci@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

First Step: Standard admissions policies for the BA in HESP

Second Step: Admissions Policies for the BA in HESP to MS in Epidemiology

Students applying for this program must:

- Apply for the accelerated degree before their senior year.
- Have completed at least 30 hours of coursework at Augusta University.
- Complete SOSC 3001 and SOSC 3002 in their undergraduate degree.
- Have an overall cumulative undergraduate GPA of 3.25 or better.
- Be within 30 semester hours of graduating with either a BA in Health, Society, and Policy (HESP) in the Department of Social Sciences.
- Have written permission of the chair of the Department of Social Sciences to use the graduate level courses as acceptable substitutes to fulfill related requirements of the HESP degree (students must satisfy all prerequisites for those graduate courses).
- Meet all requirements for admissions into the MS in Epidemiology program and be in good standing with the university (except for receipt of the undergraduate degree and the completion of the GRE).
- Submit an application for admissions in the spring semester of the junior year to the BA in HESP to the MS in Epidemiology program, along with all necessary admissions documentation to The Graduate School according to institutional policy.

Program Information

Program Length: 4 Years
CIP Code: 44.0503
Program Code: 1BA-HESP

Degree Requirements

See the individual listings for the Bachelor of Arts with a Major in Health, Society, and Policy and the Master of Science in Epidemiology.

Accelerated Bachelor of Arts with a Major in History to Master of Arts in Intelligence and Security Studies

Program Overview

The Master of Arts in Intelligence and Security Studies (MAISS) prepares students and industry leaders to address the intelligence and security challenges in an interconnected world. This accelerated degree plan seeks to give students an understanding of the historical as well as strategic and policy ramifications of national and international security and war. The coursework is focused on inter- and intrastate conflict; terrorism and counterterrorism; and national, regional, and global strategic security and cybersecurity threats. The program prepares students for careers in the areas of strategic security policy, intelligence analysis, and for advancement in military, law enforcement, and academia.

augusta.edu/pamplin/maiss

Program Contact

Dr. Craig Albert
706-737-1710
socsci@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

Students applying for this program must:

- Apply for the accelerated degree before their senior year.
- Have completed at least 30 hours of coursework at Augusta University.
- Have an overall cumulative undergraduate GPA of 3.0 or better.
- Be within 30 credit hours of graduating with a BA in History
- Have written permission of the chair of the department of the undergraduate major to use the graduate level courses as acceptable substitutes to fulfill related requirements of the bachelor's degree (students must satisfy all prerequisites for those graduate courses).
- Meet all requirements for admissions into the MAISS program and be in good standing with the university (except for receipt of the undergraduate degree)
- Submit an application for admissions in the spring semester of the junior year to the Accelerated Bachelor's-Master's degree program, along with all necessary admissions documentation to The Graduate School according to institutional policy.

Once accepted to the program, students must:

- Take three of the following courses during their senior year in both the BA and MAISS program:
 - SECR 6809, SECR 6810, SECR 6906, SECR 6910, SECR 6920, SECR 6981, or SECR 6982
- Only count up to nine credit hours of MAISS courses during dual enrollment toward both the BA and MAISS requirements.
- Graduate with the BA.
- Continue with MAISS degree to complete all other degree requirements.
- Students must maintain a 2.7 in the MAISS program in order to graduate.

Program Information

- Program Length: 6 Years
- Academic Focus Area: Social Sciences [SOSC]
- CIP Code: 54.0101 - History, General, 45.0999 - International Relations and National Security Studies, Other

Dual Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

Foreign Language Sequence: 6 Hours

Select a two-course language sequence.

History Courses: 6 Hours

Select from the following:

HIST 1111 - Pre-Modern World Civilization (3 Credit Hours)

HIST 1112 - Modern World Civilization (3 Credit Hours)

HIST 2111 - United States to 1877 (3 Credit Hours)

HIST 2112 - United States Since 1877 (3 Credit Hours)

Other Courses: 6 Hours

Select from the following. A grade of C or better is required in these courses.

ANTH 1102 - Introductory Anthropology (3 Credit Hours)

ANTH 2011 - Cultural Anthropology (3 Credit Hours)

ECON 1810 - Introduction to Economics (3 Credit Hours)

GEOG 1111 - World Geography (3 Credit Hours)

HIST 1111 - Pre-Modern World Civilization (3 Credit Hours)

HIST 1112 - Modern World Civilization (3 Credit Hours)

HIST 2111 - United States to 1877 (3 Credit Hours)

HIST 2112 - United States Since 1877 (3 Credit Hours)

HONR 1900 - Honors: Contemporary Issues (3 Credit Hours) (with department approval)

MATH 1401 - Elementary Statistics (3 Credit Hours)

MINF 2201 - Microcomputer Applications (3 Credit Hours)

PHIL 2010 - Introduction to Philosophy (3 Credit Hours)

PHIL 2020 - Introduction to Critical Thinking (3 Credit Hours)

PHIL 2030 - Introduction to Ethics (3 Credit Hours)

POLS 2401 - Introduction to Global Issues (3 Credit Hours)

WGST 1101 - Introduction to Women's and Gender Studies (3 Credit Hours)

Undergraduate Major Courses: 28 Hours

Prerequisites

The following courses are required if not already taken as part of the core. A grade of C or better is required in these courses.

HIST 1111 - Pre-Modern World Civilization (3 Credit Hours)

HIST 1112 - Modern World Civilization (3 Credit Hours)

HIST 2111 - United States to 1877 (3 Credit Hours)

HIST 2112 - United States Since 1877 (3 Credit Hours)

Major Required Courses: 22 Hours

HIST 3001 - Historical Research Methods (4 Credit Hours)

HIST 3491 - Military History of the US (3 Credit Hours)
or HIST 4451 - U.S. National Security and Foreign Policy, 1898-Present (3 Credit Hours)
HIST 3220 - Modern China (3 Credit Hours)
or HIST 3250 - Modern Japan (3 Credit Hours)
HIST 3311 - Modern Russia (3 Credit Hours)
or HIST 3341 - Modern Europe: War and Diplomacy (3 Credit Hours)
or HIST 4391 - Twentieth Century Europe (3 Credit Hours)
HIST 3111 - History and Culture of Africa (3 Credit Hours)
or HIST 3811 - Topics in the Islamic World (3 Credit Hours)
HIST 3531 - History of Mexico (3 Credit Hours)
or HIST 3571 - Topics in Latin America (3 Credit Hours)
or HIST 3140 - History of Canada (3 Credit Hours)
HIST 4011 - History of Women (3 Credit Hours)
or HIST 4021 - History of Gender and Sexuality (3 Credit Hours)
or HIST 4511 - Black Internationalism (3 Credit Hours)
or HIST 4521 - The Long Civil Rights Movement (3 Credit Hours)

Major Elective Courses: 6 Hours

Select two additional courses from the following:

HIST 3020 - 4999 (3 Credit Hours)
HIST 3020 - 4999 (3 Credit Hours)

Undergraduate Concentration Courses: 15 Hours

Undergraduate Courses: 6 Hours

Select two of the following:

ANTH 3817 - African Cultural Issues (3 Credit Hours)
ANTH 3851 - Religion, Culture, and Society (3 Credit Hours)
ANTH 3870 - Identity: Ethnicity, Gender, and Class (3 Credit Hours)
ANTH 4021 - Violence and Warfare (3 Credit Hours)
ANTH 4217 - Travelers, Migrants and Refugees (3 Credit Hours)
POLS 3801 - International Relations (3 Credit Hours)
POLS 4902 - World Politics (3 Credit Hours)

Shared Undergraduate/Graduate Courses: 9 Hours

Select three of the following, after admission to the MA/ISS program:

SECR 6809 - Ethnic Conflict and Political Violence (3 Credit Hours)
SECR 6810 - The Politics of Islam and International Security (3 Credit Hours)
SECR 6906 - Terrorism Studies (3 Credit Hours)
SECR 6910 - International Relations Theory (3 Credit Hours)
SECR 6920 - Weaponizing Information: The History and Theory of Propaganda (3 Credit Hours)
SECR 6981 - Cyber Conflict: History and Theory of Cyber War (3 Credit Hours)
SECR 6982 - Information Warfare (3 Credit Hours)

Undergraduate Free Electives: 17 Hours

Select 17 hours of electives.

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)
WELL XXXX - Activity Course (1 Credit Hour)
WELL XXXX - Activity Course (1 Credit Hour)

Graduate Core Courses: 18 Hours

- SECR 6351 - Homeland Security (3 Credit Hours)
or SECR 6650 - National Security and Public Policy (3 Credit Hours)
- SECR 6411 - Introduction to Intelligence Studies (3 Credit Hours)
or SECR 6980 - Introduction to Cyber Intelligence and Cybersecurity Policy (3 Credit Hours)
- SECR 6600 - Research Design and Writing for Intelligence and Security Studies (3 Credit Hours)
- SECR 6809 - Ethnic Conflict and Political Violence (3 Credit Hours)
or SECR 6810 - The Politics of Islam and International Security (3 Credit Hours)
or SECR 6906 - Terrorism Studies (3 Credit Hours)
- SECR 6910 - International Relations Theory (3 Credit Hours)
- SECR 6911 - Introduction to Security Studies (3 Credit Hours)

Graduate Electives

- PADM 6020 - Geographic Information Systems for Public Management (3 Credit Hours)
- PADM 6150 - Leadership and Ethics (3 Credit Hours)
- SECR 6168 - Cross-Cultural Security and Psychology (3 Credit Hours)
- SECR 6412 - Intelligence Collection (3 Credit Hours)
- SECR 6413 - Open-Source Intelligence (3 Credit Hours)
- SECR 6414 - Public Health and Medical Intelligence: Security and Civilian Principles and Applications (3 Credit Hours)
- SECR 6415 - Intelligence Analysis (3 Credit Hours)
- SECR 6650 - National Security and Public Policy (3 Credit Hours)
- SECR 6809 - Ethnic Conflict and Political Violence (3 Credit Hours)
- SECR 6813 - Environmental Issues in International Security (3 Credit Hours)
- SECR 6814 - Space and International Security (3 Credit Hours)
- SECR 6815 - Weapons of Mass Destruction and International Security (3 Credit Hours)
- SECR 6912 - Counterterrorism Studies (3 Credit Hours)
- SECR 6913 - Critical Security Studies (3 Credit Hours)
- SECR 6914 - Future Wars (3 Credit Hours)
- SECR 6915 - The Economics of International Security (3 Credit Hours)
- SECR 6917 - Democracy and Conflict (3 Credit Hours)
- SECR 6918 - Stability and Peacekeeping Operations (3 Credit Hours)
- SECR 6919 - The Psychology of Terrorism (3 Credit Hours)
- SECR 6920 - Weaponizing Information: The History and Theory of Propaganda (3 Credit Hours)
- SECR 6950 - Selected Topics in Intelligence and Security Studies (3 Credit Hours)
- SECR 6980 - Introduction to Cyber Intelligence and Cybersecurity Policy (3 Credit Hours)
- SECR 6981 - Cyber Conflict: History and Theory of Cyber War (3 Credit Hours)
- SECR 6982 - Information Warfare (3 Credit Hours)
- SECR 6983 - Hybrid Warfare (3 Credit Hours)
- SECR 7000 - Directed Readings in Intelligence and Security Studies (0 to 6 Credit Hours)

Graduate Capstone: 6 Hours

Select one of the following options:

- SECR 6997 - Capstone (0 to 6 Credit Hours)
- SECR 6998 - Thesis I (3 Credit Hours)
and SECR 6999 - Thesis II (3 Credit Hours)
- SECR 6916 - The Causes and Prevention of War (3 Credit Hours)
and SECR XXXX - Elective (3 Credit Hours)

Dual Degree Total = 151 Hours

Accelerated Bachelor of Arts with a Major in Integrated Studies to Master of Arts in Intelligence and Security Studies

Program Overview

The Master of Arts in Intelligence and Security Studies (MAISS) prepares students and industry leaders to address the intelligence and security challenges in an interconnected world. The coursework is focused on inter and intrastate conflict, terrorism and counterterrorism, and national, regional, and global strategic security and cybersecurity threats. The program prepares students for careers in the areas of strategic security policy, intelligence analysis, and for advancement in military, law enforcement, and academia.

augusta.edu/pamplin/maiss

Program Contact

Dr. Craig Albert
706-737-1710
socsci@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

Students applying for this program must:

- Apply for the accelerated degree in their junior year.
- Have completed at least 30 hours of coursework at Augusta University.
- Have an overall cumulative undergraduate GPA of 3.00 or better.
- Be within 30 credit hours of graduating with either a BA in Integrated Studies (or other majors upon approval).
- Have written permission of the chair of the department of the undergraduate major to use the graduate level courses as acceptable substitutes to fulfill related requirements of the bachelor's degree (students must satisfy all prerequisites for those graduate courses).
- Meet all requirements for admissions into the MAISS program and be in good standing with the university (except for receipt of the undergraduate degree)
- Submit an application for admissions in the spring semester of the junior year to the BA to MAISS program, along with all necessary admissions documentation to The Graduate School according to institutional policy.

Once accepted to the program, students must:

- Take three of the following courses during their senior year in both the BA and MAISS program:
 - SECR 6351, or SECR 6411, SECR 6600, SECR 6906, SECR 6911
- Only count up to nine credit hours of MAISS courses during dual enrollment toward both the BA and MAISS requirements.
- Graduate with the BA.
- Continue with MAISS degree to complete all other degree requirements.

Dual Degree Requirements

See the individual listings for the Bachelor of Arts with a Major in Integrated Studies and the Master of Arts in Intelligence and Security Studies.

Shared s to Homeland Security (3 Credit Hours)

SECR 6411 - Introduction to Intelligence Studies (3 Credit Hours)

SECR 6600 - Research Design and Writing for Intelligence and Security Studies (3 Credit Hours)

SECR 6906 - Terrorism Studies (3 Credit Hours)

SECR 6911 - Introduction to Security Studies (3 Credit Hours)

Dual Degree Total = 151 Hours

Accelerated Bachelor of Arts with a Major in Integrated Studies to Master of Public Administration

Program Overview

The Master of Public Administration (MPA) at Augusta University is the preferred degree for professionals working in government and the nonprofit sector. Accredited by the Network of Public Policy, Affairs, and Administration (NASPAA), the MPA degree is a versatile degree that allows students to advance their careers in numerous fields in the public sector, such as managing cybersecurity, economic development, criminal justice, city-county management, emergency management, and many others.

augusta.edu/pamplin/mpa

Program Contact

Dr. Wesley Meares, MPA Director

706-737-1710

mpa_program@augusta.edu**Admissions Information**

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

Students applying for this program must:

- Apply for the accelerated degree before their senior year
- Have completed at least 30 hours of coursework at Augusta University.
- Have an overall cumulative undergraduate GPA of 3.0 or better.
- Be within 30 semester hours of graduating with either a BA in Integrated Studies
- Have written permission of the chair of the department of the undergraduate major to use the graduate level courses as acceptable substitutes to fulfill related requirements of the bachelor's degree (students must satisfy all prerequisites for those graduate courses).
- Meet all requirements for admission into the MPA program and be in good standing with the university (except for receipt of the undergraduate degree).
- Submit an application for admission in the spring semester of the junior year to the Accelerated Bachelor's-Master's Degree Program, along with all necessary admissions documentation to The Graduate School according to institutional policy.

Once accepted to the program, students must:

- Take the following three MPA courses:
 - PADM 6000 - Survey of Public Administration (3 Credit Hours)
 - PADM 6600 - Analytical Tools for Decision Makers (3 Credit Hours)
 - PADM 6150 - Leadership and Ethics (3 Credit Hours)
- All three courses will count towards both the BA and the MPA
- Graduate with the BA

- Continue with the MPA to complete all other degree requirements

Program Information

Program Length: 5 Years

Program Requirements

Degree Requirements

See the individual listings for the Bachelor of Arts with a Major in Integrated Studies and the Master of Public Administration.

Accelerated Bachelor of Arts with a Major in Nonprofit Leadership and Administration to Master of Public Administration

Program Overview

The Master of Public Administration (MPA) at Augusta University is the preferred degree for professionals working in government and the nonprofit sector. Accredited by the Network of Public Policy, Affairs, and Administration (NASPAA), the MPA degree is a versatile degree that allows students to advance their careers in numerous fields in the public sector, such as managing cybersecurity, economic development, criminal justice, city-county management, emergency management, and many others. Many of our classes are scheduled at night and on the weekends to better accommodate the working professionals in our program and our faculty includes traditional academics, "pracademics" (academics with career experience in government or non-profit organizations), and working professionals to offer practical experience.

augusta.edu/pamplin/mpa

Program Contact

Dr. Wesley Meares, MPA Director

706-737-1710

mpa_program@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

Students applying for this program must:

- Apply for the accelerated degree before their senior year
- Have completed at least 30 hours of coursework at Augusta University.
- Have an overall cumulative undergraduate GPA of 3.0 or better.
- Be within 30 semester hours of graduating with either a BA in Nonprofit Leadership and Administration
- Have written permission of the chair of the department of the undergraduate major to use the graduate level courses as acceptable substitutes to fulfill related requirements of the bachelor's degree (students must satisfy all prerequisites for those graduate courses).
- Meet all requirements for admission into the MPA program and be in good standing with the university (except for receipt of the undergraduate degree).
- Submit an application for admission in the spring semester of the junior year to the Accelerated Bachelor's-Master's Degree Program, along with all necessary admissions documentation to The Graduate School according to institutional policy.

Once accepted to the program, students must:

- Take the following three MPA courses:
 - PADM 6000 - Survey of Public Administration (3 Credit Hours)
 - PADM 6600 - Analytical Tools for Decision Makers (3 Credit Hours)
 - PADM 6150 - Leadership and Ethics (3 Credit Hours)
- All three courses will count for towards both the BA and the MPA
- Graduate with the BA
- Continue with the MPA to complete all other degree requirements

Program Information

Program Length: 5 Years

Program Requirements

Degree Requirements

See the individual listings for the Bachelor of Arts with a Major in Nonprofit Leadership and Administration and the Master of Public Administration.

Accelerated Bachelor of Arts with a Major in Political Science to Master of Arts in Intelligence and Security Studies

Program Overview

The Master of Arts in Intelligence and Security Studies (MAISS) prepares students and industry leaders to address the intelligence and security challenges in an interconnected world. The coursework is focused on inter and intrastate conflict, terrorism and counterterrorism, and national, regional, and global strategic security and cybersecurity threats. The program prepares students for careers in the areas of strategic security policy, intelligence analysis, and for advancement in military, law enforcement, and academia.

augusta.edu/pamplin/maiss

Program Contact

Dr. Craig Albert

706-737-1710

socsci@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

Students applying for this program must:

- Apply for the accelerated degree in their junior year.
- Have completed at least 30 hours of coursework at Augusta University.
- Have an overall cumulative undergraduate GPA of 3.00 or better.
- Be within 30 credit hours of graduating with either a BA in Criminal Justice or a BA in Political Science, or a BA in Integrated Studies (or other majors upon approval).
- Have written permission of the chair of the department of the undergraduate major to use the graduate level courses as acceptable substitutes to fulfill related requirements of the bachelor's degree (students must satisfy all prerequisites for those graduate courses).

- Meet all requirements for admissions into the MAISS program and be in good standing with the university (except for receipt of the undergraduate degree)
- Submit an application for admissions in the spring semester of the junior year to the BA to MAISS program, along with all necessary admissions documentation to The Graduate School according to institutional policy.

Once accepted to the program, students must:

- Take three of the following courses during their senior year in both the BA and MAISS program:
 - SECR 6351, SECR 6411, SECR 6600, SECR 6906, SECR 6911
- Only count up to nine credit hours of MAISS courses during dual enrollment toward both the BA and MAISS requirements.
- Graduate with the BA
- Continue with MAISS degree to complete all other degree requirements.

Dual Degree Requirements

See the individual listings for the Bachelor of Arts with a Major in Political Science and the Master of Arts in Intelligence and Security Studies.

Shared Undergraduate/Graduate Courses

Select three of the following:

SECR 6351 - Introduction to Homeland Security (3 Credit Hours)

SECR 6411 - Introduction to Intelligence Studies (3 Credit Hours)

SECR 6600 - Research Design and Writing for Intelligence and Security Studies (3 Credit Hours)

SECR 6906 - Terrorism Studies (3 Credit Hours)

SECR 6911 - Introduction to Security Studies (3 Credit Hours)

Dual Degree Total = 151 Hours

Accelerated Bachelor of Arts with a Major in Political Science to Master of Public Administration

Program Overview

The Master of Public Administration (MPA) at Augusta University is the preferred degree for professionals working in government and the nonprofit sector. Accredited by the Network of Public Policy, Affairs, and Administration (NASPAA), the MPA degree is a versatile degree that allows students to advance their careers in numerous fields in the public sector, such as managing cybersecurity, economic development, criminal justice, city-county management, emergency management, and many others. Many of our classes are scheduled at night and on the weekends to better accommodate the working professionals in our program and our faculty includes traditional academics, "pracademics" (academics with career experience in government or non-profit organizations), and working professionals to offer practical experience.

augusta.edu/pamplin/mpa

Program Contact

Dr. Wesley Meares

706-737-1710

mpa_program@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

Students applying for this program must:

- Apply for the accelerated degree in their junior year.
- Have completed at least 30 hours of coursework at Augusta University.
- Have an overall cumulative undergraduate GPA of 3.25 or better.
- Be within 30 semester hours of graduating with either a BA in Criminal Justice or a BA in Political Science (or other majors upon approval).
- Have written permission of the chair of the department of the undergraduate major to use the graduate level courses as acceptable substitutes to fulfill related requirements of the bachelor's degree (students must satisfy all prerequisites for those graduate courses).
- Meet all requirements for admissions into the MPA program and be in good standing with the university (except for receipt of the undergraduate degree and the completion of the GRE).
- Submit an application for admissions in the spring semester of the junior year to the BA to MPA program, along with all necessary admissions documentation to The Graduate School according to institutional policy.

Once accepted to the program, students must:

- Take the following courses during their senior year in both the BA and MPA program:
 - PADM 6000, PADM 6150, and PADM 6600
- Only count up to nine credit hours of MPA courses during dual enrollment toward both the BA and MPA requirements
- Graduate with the BA
- Continue with MPA degree to complete all other degree requirements

Degree Requirements

See the individual listings for the Bachelor of Arts with a Major in Political Science and the Master of Public Administration.

Accelerated Bachelor of Science with a Major in Cybersecurity Engineering to Master of Science in Computer Science

Program Overview

The School of Computer and Cyber Sciences (SCCS) offers an accelerated BS/MS in Cybersecurity Engineering/Computer Science for students who are motivated to get both a BS in Cybersecurity Engineering and an MS in Computer Science in five years and be ready for the continuously growing job market or undertake research at the intersection of Cybersecurity and Computer Science. This option enables Cybersecurity Engineering majors who meet specific criteria to apply 9 credit hours of graduate Computer Science courses toward both the 129 credit hours required for their undergraduate degree and the 30 credit hours required for their MS degree. This also allows students to earn both a BS and an MS in a shorter timeframe (5 years instead of 6).

Program Contact

Dr. Michael Nowatkowski
706-721-0549
ccs@augusta.edu

Admissions Information

Students applying for this degree option must satisfy the following requirements:

- have completed at least 30 credit hours of coursework at Augusta University
- have a minimum overall undergraduate GPA of 3.3

- Have sufficient hours, either through extra courses, summer courses, AP, or other credit to reasonably expect to be able to have the needed 129 hours for the BS degree by the end of the fourth year
- be within 31 credit hours of graduating with a BS in Cybersecurity Engineering during the senior year
- meet all requirements (except GRE requirement) for admission into the MS Computer Science program and be in good standing with the university
- have written permission of the Program Coordinator of Cybersecurity Engineering and the Director of Graduate Studies to use the graduate level courses as acceptable substitutes to satisfy related requirements of the Cybersecurity Engineering major requirement
- students would apply to the Graduate School for admission to the Master's program in Computer Science during the Spring of their junior year (with GRE requirement waived) by working closely with their major advisors in the School of Computer and Cyber Sciences

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- Maintain a cumulative GPA of at least 3.00 for all graduate level courses once admitted to the MS program in Computer Science
- Maintain a cumulative GPA of at least 3.00 for all undergraduate courses taken in the senior year
- Follow the current academic policy given in the departmental Graduate Student Handbook

Dual Degree Requirements

Students in this dual degree option enter the graduate program in their senior year (they will still be enrolled in the BS program during the senior year). At the end of the spring semester of students' senior year, the BS program requirements will be completed and the BS degree is awarded. Students finish the MS program requirements in the following spring (of the fifth year) and the MS degree in Computer Science will be awarded at the end of their fifth year.

Note: If students leave the program at the end of the fourth year, the courses CSCI 6100, CSCI 6531, and CSCI 6532 will be approved as substitutes for upper-division electives as determined by the School of Computer and Cyber Sciences.

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

CENG 2001 - Introduction to Cybersecurity Engineering (3 Credit Hours)
 CSCI 1301 - Principles of Computer Programming I (4 Credit Hours)
 CSCI 1302 - Principles of Computer Programming II (3 Credit Hours)
 CSCI 2700 - Ethics in Computer Science (2 Credit Hours)
 CYBR 2600 - Introduction to Networking and Cyber Security (4 Credit Hours)
 Credit hours carried over MATH 2011 and MATH 2012 in the Core IMPACTS Requirements (2 Credit Hours)

Undergraduate Major Courses: 56 Hours

AIST 3310 - Advanced Networking (3 Credit Hours)
 or AIST 3320 - TCP/IP Protocol Analysis (3 Credit Hours)
 AIST 3360 - Cellular and Mobile Technology (3 Credit Hours)
 CENG 4700 - Secure Design Engineering (3 Credit Hours)
 CENG 4712 - Senior Capstone Project (3 Credit Hours)
 CSCI 3030 - Mathematical Structures for Computer Science (3 Credit Hours)
 CSCI 3170 - Computer Organization (3 Credit Hours)

CSCI 3271 - Operating System (3 Credit Hours)
 CSCI 3371 - Low-Level Programming Languages (3 Credit Hours)
 CSCI 3400 - Data Structures (3 Credit Hours)
 CSCI 4540 - Digital Forensics and Machine Learning (3 Credit Hours)
 CYBR 3100 - Introduction to Defensive Cyber Operations (3 Credit Hours)
 CYBR 3200 - Cyber Network Defense and Counter Measures (3 Credit Hours)
 MATH 3020 - Differential Equations (3 Credit Hours)
 MATH 3250 - Introduction to Statistics and Data Analysis (3 Credit Hours)
 MATH 3280 - Linear Algebra (3 Credit Hours)
 PHYS 3011 - Electronics I (4 Credit Hours)
 PHYS 3012 - Electronics II (4 Credit Hours)
 MATH Elective (3 Credit Hours)

Shared Undergraduate/Graduate Courses: 9 Hours

CSCI 6100 - Cyber-Physical Systems (3 Credit Hours)
 CSCI 6531 - Malware Analysis and Reverse Engineering (3 Credit Hours)
 CSCI 6532 - Hardware and Embedded Systems (3 Credit Hours)

Graduate Core Courses: 15 Hours

CSCI 6900 - Introduction to Research (3 Credit Hours)
 CSCI 7100 - Algorithm Analysis (3 Credit Hours)
 CSCI 7130 - Software Engineering (3 Credit Hours)
 CSCI 7500 - Theory of Computation (3 Credit Hours)
 CSCI 7954 - Advanced Topics in Cybersecurity (3 Credit Hours)

Graduate Electives: 6 Hours

Select from the following:

CSCI 5420 - Mobile and Distributed Computing (3 Credit Hours)
 CSCI 5430 - Artificial Intelligence (3 Credit Hours)
 CSCI 5600 - Internet Programming (3 Credit Hours)
 CSCI 7300 - Programming Languages (3 Credit Hours)
 CSCI 7340 - Machine Learning (3 Credit Hours)
 CSCI 7350 - Network and Distributed Algorithms (3 Credit Hours)
 CSCI 7410 - Operating Systems (3 Credit Hours)
 CSCI 7420 - Human-Computer Interaction (3 Credit Hours)
 CSCI 7580 - Computer Architecture and Parallel Processing (3 Credit Hours)
 CSCI 7585 - High Performance Computing (3 Credit Hours)
 CSCI 7950 - Selected Topics (3 Credit Hours)

Thesis: 9 Hours

Take the following 3 times for 3 credit hours each time:

CSCI 6910 - Master's Thesis Research (1 to 9 Credit Hours)

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)
 WELL XXXX - Activity Course (1 Credit Hour)
 WELL XXXX - Activity Course (1 Credit Hour)

Dual Degree Total: 150 Hours

Accelerated Bachelor of Science in Kinesiology with a Concentration in Health Science or Exercise and Sports Science to Master of Science in Kinesiology

Program Overview

The Master of Science in Kinesiology (MSK) is designed to advance students' knowledge and experience in exercise science, health, physical activity, and sports coaching. The degree is comprised of two distinct tracks/options: non-thesis (comprehensive exams and internship) and thesis (research paper and oral presentation/defense). The non-thesis track is offered 100% online and does not require students to be physically present on the Augusta University campus in order to complete the degree program. The thesis track is offered primarily online; however, it does require students to be physically present on the Augusta University campus for two semesters (typically the last two semesters of the degree program) to complete the applied research courses and related face-to face work.

augusta.edu/education/kinesiology/grad_msk

Program Contact

Hannah Bennett
706-737-1468
habennett@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

Once accepted to the program, students:

- Must take the following four MSK courses:
 - KNHS 6311 - Behavioral Aspects of Physical Activity (3 Credit Hours)
 - KNHS 6339 - Trends and Issues in Kinesiology and Health Sciences (3 Credit Hours)
 - KNHS 6411 - Motor Control and Learning (3 Credit Hours)
 - EDUC 6021 - Introduction to Educational Research (3 Credit Hours)
- May only count up to 12 hours of courses toward both the BSK and the MSK
- Graduate with a BSK
- Continue with the MSK to complete all other degree requirements

Program Information

Program Length: 5 Years

Degree Requirements

See the individual listings for the Bachelor of Science in Kinesiology with a concentration in Health Science or Exercise & Sports Science and the Master of Science in Kinesiology.

Accelerated Bachelor of Science with a Major in Mathematics to Master of Science in Biostatistics

Program Overview

Students enroll in the mathematics BS program with a concentration in biostatistics. During their junior year, they apply for entrance into the MS program in Biostatistics and begin the MS program in their

fourth year. Nine credit hours of coursework are counted toward both degrees. At the end of the spring of fourth year, the BS is completed. Students will then complete the MS in the spring of the fifth year.

augusta.edu/scimath/mathematics

Program Contact

Mathematics Department Chair: Dr. Seth Oppenheimer
706-737-1672
mathematics@augusta.edu

School of Public Health: Dr. Jie Chen
706-721-3278
jiechen@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Degree Requirements

See the individual listings for the Bachelor of Science in Mathematics and the Master of Science in Biostatistics.

Accelerated Bachelor of Science with a Major in Mathematics to Master of Science in Data Science

Program Overview

The Department of Mathematics in the College of Science and Mathematics and the School of Public Health jointly offer an accelerated BS in Mathematics/MS in Data Science for students who are motivated to get both a BS in Mathematics and an MS in Data Science in five years and be ready for the continuously growing job market in Data Science. This option allows students majoring in Mathematics -- who meet certain criteria -- the opportunity to apply 9 credit hours of graduate Data Science and Statistics courses to both the 124 undergraduate degree required hours and the 36 graduate degree required hours. Students pay undergraduate tuition during the 4th year as their primary academic program is still the baccalaureate program in mathematics. Students pay graduate tuition only during their fifth year.

Program Contact

Mathematics Department Chair: Dr. Seth Oppenheimer
706-737-1672
mathematics@augusta.edu

School of Public Health: Dr. Jie Chen
706-721-3278
jiechen@augusta.edu

Admissions Information

The accelerated BS/MS option is designed to allow Mathematics undergraduate students to complete both the BS in Mathematics and the MS in Data Science degrees in five years. A student may use up to 9 credit hours of graduate Statistics and/or Data Science courses to fulfill both the 124 undergraduate degree required hours and the MS degree required hours.

Students applying for this degree option must satisfy the following requirements:

- Have completed at least 30 credit hours of coursework at Augusta University
- Have a minimum overall undergraduate GPA of 3.25

- Have sufficient hours, either through extra courses, summer courses, AP or other credit to reasonably expect to be able to have the needed 124 hours for the BS degree by the end of the fourth year
- Be within 31 credit hours graduating with a BS in Mathematics during the senior year
- Meet all requirements for admission into the MS Data Science program and be in good standing with the university
- Have written permission of the Chair of the Department of Mathematics to use the graduate level courses as acceptable substitutes to satisfy related requirements of the math major requirement
- Students would apply to the Graduate School for admission to the Master's program in Data Science during the Spring of their junior year (with GRE requirement waived) by working closely with their major advisors in the mathematics department
- Students should maintain a cumulative GPA of at least 3.00 for all graduate level courses once admitted to the MS program in Data Science
- Students should maintain a cumulative GPA of at least 3.00 for all undergraduate courses taken at the senior year
- Students should follow the current academic policy given in the departmental Graduate Student Handbook

Progression and Graduation Requirements

- Students in this degree option will enter the graduate program in their senior year (they will still be enrolled in the BS program during the senior year). At the end of the spring of students' senior year, the BS program requirements will be completed and the BS degree will be awarded. Students finish the MS program requirements in the following spring (of the fifth year) and the MS degree in Data Science will be awarded at the end of their fifth year.
- Students will pay undergraduate tuition during the 4th year as their primary academic program is still the baccalaureate program in mathematics.
- Students will pay graduate tuition only during their fifth year.
- If a student leaves the program at the end of the fourth year, the courses STAT 7110, STAT 7630, and DATS 7510 will be approved as substitutes for upper-division electives as determined by the Mathematics Department Chair.

Program Information

Program Length: 5 Years

Degree Requirements

See the individual listings for the Bachelor of Science in Mathematics and the Master of Science in Data Science.

Accelerated Bachelor of Science with a Major in Psychology to Master of Arts in Intelligence and Security Studies with a Concentration in Social Influence

Program Overview

This program is designed as a 4 +1 where students earn a Bachelor of Science with a Major in Psychology as well as a Master of Arts with a Major in Intelligence and Security Studies with a Concentration in Social Influence. The purpose of this accelerated option is to give students expertise in psychological sciences as well as into propaganda and information warfare within the national security landscape. Social influence and persuasion are heavily influenced by psychological sciences and thus, the two options pair well together for the purpose of U.S. national security.

augusta.edu/pamplin/psychology

augusta.edu/pamplin/maiss

Program Contact

Dr. Craig Albert, Professor and Program Director
706-737-1710
calbert@augusta.edu

Admissions Information

Students applying to this program must:

- Apply for the accelerated degree before their senior year
- Have completed at least 30 hours of coursework at Augusta University
- Have an overall cumulative undergraduate GPA of 3.0 or better
- Be within 30 credit hours of graduating with a BS in Psychology
- Have written permission of the chair of the department of the undergraduate major to use the graduate level courses as acceptable substitutes to fulfill related requirements of the bachelor's degree
- Meet all requirements for admission into the MAISS program and be in good standing with the university (except for receipt of the undergraduate degree)
- Submit an application for admission in the spring semester of the junior year to the Accelerated Bachelor's-Master's Degree Program, along with all necessary admissions documentation to The Graduate School according to institutional policy

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

Once accepted to the program, students must:

- Take the following two MAISS courses:
 - SECR 6168 - Cross-Cultural Security and Psychology (3 Credit Hours)
 - SECR 6911 - Introduction to Security Studies (3 Credit Hours)
- Take one of the following MAISS courses:
 - SECR 6919 - The Psychology of Terrorism (3 Credit Hours)
 - SECR 6982 - Information Warfare (3 Credit Hours)
- Graduate with the BS in Psychology
- Continue with the MAISS to complete all other degree requirements
- Maintain a minimum 2.7 GPA in the MAISS program in order to graduate

Program Information

Program Length: 5 Years

CIP Code: 45.0999 0 International Relations and National Security Studies, Other.

Dual Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

Field of Study Required Courses: 9 Hours

A grade of C or better is required in all courses.

PSYC 1101 - Introduction to General Psychology (3 Credit Hours)

PSYC 2101 - Introduction to Psychology of Adjustment (3 Credit Hours)

PSYC 2150 - Introduction to Human Diversity (3 Credit Hours)

Field of Study Electives: 9 Hours

Select the remaining 9 hours from the approved 1000-2000 courses. A grade of D or better required in these courses.

ANTH 1102 - Introductory Anthropology (3 Credit Hours)
 ANTH 2011 - Cultural Anthropology (3 Credit Hours)
 CHEM 1211 - Principles of Chemistry I (3 Credit Hours)
 CHEM 1212 - Principles of Chemistry II (3 Credit Hours)
 CSCI 1200 - Introduction to Computers and Programming (3 Credit Hours)
 CRJU 1103 - Introduction to Criminal Justice (3 Credit Hours)
 ECON 1810 - Introduction to Economics (3 Credit Hours)
 ECON 2105 - Macroeconomics (3 Credit Hours)
 ECON 2106 - Microeconomics (3 Credit Hours)
 GEOG 1111 - World Geography (3 Credit Hours)
 GEOL 1122 - Introductory Geosciences II: Historical Geology (4 Credit Hours)
 HONR 1900 - Honors: Contemporary Issues (3 Credit Hours)
 MATH 1220 - Applied Calculus (3 Credit Hours)
 MATH 1401 - Elementary Statistics (3 Credit Hours)
 MILS 2011 - Individual Leadership Studies (3 Credit Hours)
 MILS 2021 - Leadership and Teamwork (3 Credit Hours)
 MINF 2201 - Microcomputer Applications (3 Credit Hours)
 PHIL 2010 - Introduction to Philosophy (3 Credit Hours)
 POLS 2000 - Society, Law, and the Criminal (3 Credit Hours)
 POLS 2401 - Introduction to Global Issues (3 Credit Hours)
 PSYC 2103 - Introduction to Human Development (3 Credit Hours)
 SOCI 1101 - Introduction to Sociology (3 Credit Hours)
 SOCI 1160 - Social Problems Analysis (3 Credit Hours)
 SOCI 2241 - Social and Cultural Diversity (3 Credit Hours)
 SOWK 1101 - Introduction to Social Work Practices (3 Credit Hours)
 SOWK 2100 - Social Welfare History and Philosophy (3 Credit Hours)
 WGST 1101 - Introduction to Women's and Gender Studies (3 Credit Hours)
 2XXX - Foreign Language (3 Credit Hours)

Undergraduate Major Courses: 33 Hours

Foundation Courses: 9 Hours

A grade of C or better is required in all courses.

PSYC 3190 - Ethical and Professional Foundations (3 Credit Hours) (take prior to PSYC 3121)
 PSYC 3121 - Quantitative Methods (3 Credit Hours) (take prior to PSYC 3122)
 PSYC 3122 - Research Methods (3 Credit Hours)

Advanced Theory Courses (Shared Undergraduate/Graduate Courses): 9 Hours

Select three of the following earning a grade of C or better in each:

SECR 6168 - Cross-Cultural Security and Psychology (3 Credit Hours)
 SECR 6911 - Introduction to Security Studies (3 Credit Hours)
 SECR 6919 - The Psychology of Terrorism (3 Credit Hours)
 SECR 6982 - Information Warfare (3 Credit Hours)

Major Electives: 15 Hours

Select from the following PSYC 3000-4000 level courses. A grade of C or better is required in all courses. No more than 3 hours of credit to be counted in the major may come from undergraduate research (PSYC 4990), internship (PSYC 4960), independent study (PSYC 4950), and/or HONR 3999/4000. This policy does not apply to non-repetitive special topics courses which might carry a PSYC 3950 or PSYC 4950 designation.

PSYC 3131 - Child and Adolescent Development (3 Credit Hours)
 PSYC 3133 - Adult Development and Aging (3 Credit Hours)
 PSYC 3140 - Theories of Personality (3 Credit Hours)
 PSYC 3143 - Abnormal Psychology (3 Credit Hours)
 PSYC 3145 - Clinical Psychology (3 Credit Hours)
 PSYC 3160 - Sensation and Perception (3 Credit Hours)
 PSYC 3178 - Psychology Applied to the Workplace (3 Credit Hours)
 PSYC 3180 - Drugs and Behavior (3 Credit Hours)
 PSYC 3183 - Health Psychology (3 Credit Hours)
 PSYC 3188 - Human Sexuality (3 Credit Hours)
 PSYC 3950 - Selected Topics (1 to 5 Credit Hours)
 PSYC 4115 - History and Systems of Psychology (3 Credit Hours)
 PSYC 4125 - Psychological Tests and Measurement (3 Credit Hours)
 PSYC 4165 - Learning Principles and Applications (3 Credit Hours)
 PSYC 4168 - Cognitive Psychology (3 Credit Hours)
 PSYC 4173 - Social Psychology (3 Credit Hours)
 PSYC 4180 - Behavioral Neuroscience (3 Credit Hours)
 PSYC 4950 - Selected Topics (1 to 3 Credit Hours)
 PSYC 4960 - Undergraduate Internship (1 to 9 Credit Hours)
 PSYC 4990 - Undergraduate Research (1 to 9 Credit Hours)

Undergraduate Free Electives: 27 Hours

To complete the requirements for the BS in Psychology, students must also take 27 free elective hours, including 21 hours from 1000-4000 level academic courses and 6 hours from 3000-4000 level academic courses.

Free Elective 1XXX, 2XXX, 3XXX, 4XXX (3 Credit Hours)
 Free Elective 1XXX, 2XXX, 3XXX, 4XXX (3 Credit Hours)
 Free Elective 1XXX, 2XXX, 3XXX, 4XXX (3 Credit Hours)
 Free Elective 1XXX, 2XXX, 3XXX, 4XXX (3 Credit Hours)
 Free Elective 1XXX, 2XXX, 3XXX, 4XXX (3 Credit Hours)
 Free Elective 1XXX, 2XXX, 3XXX, 4XXX (3 Credit Hours)
 Free Elective 1XXX, 2XXX, 3XXX, 4XXX (3 Credit Hours)
 Free Elective 3XXX or 4XXX (3 Credit Hours)
 Free Elective 3XXX or 4XXX (3 Credit Hours)

Graduate Core Courses: 18 Hours

SECR 6411 - Introduction to Intelligence Studies (3 Credit Hours)
 or SECR 6980 - Introduction to Cyber Intelligence and Cybersecurity Policy (3 Credit Hours)
 SECR 6412 - Intelligence Collection (3 Credit Hours)
 or SECR 6415 - Intelligence Analysis (3 Credit Hours)
 or SECR 6981 - Cyber Conflict: History and Theory of Cyber War (3 Credit Hours)
 SECR 6351 - Homeland Security (3 Credit Hours)
 or SECR 6906 - Terrorism Studies (3 Credit Hours)
 SECR 6600 - Research Design and Writing for Intelligence and Security Studies (3 Credit Hours)
 or SECR 6910 - International Relations Theory (3 Credit Hours)
 or SECR 6911 - Introduction to Security Studies (3 Credit Hours)

Graduate Concentration Courses: 12 Hours

SECR 6168 - Cross-Cultural Security and Psychology (3 Credit Hours)
 SECR 6413 - Open-Source Intelligence (3 Credit Hours)
 SECR 6920 - Weaponizing Information: The History and Theory of Propaganda (3 Credit Hours)
 SECR 6982 - Information Warfare (3 Credit Hours)

Graduate Electives

AIST 6359 - Legal Issues in Information Security (3 Credit Hours)
 AIST 6510 - Information Systems Security I (3 Credit Hours)
 AIST 6515 - Information Systems Security II (3 Credit Hours)
 ECON 6800 - National and International Economics for Management (3 Credit Hours)
 MGMT 6500 - Organizational Behavior (3 Credit Hours)
 MGMT 6510 - Managerial Leadership: Professional and Personal Development (3 Credit Hours)
 PADM 6020 - Geographic Information Systems for Public Management (3 Credit Hours)
 PADM 6150 - Leadership and Ethics (3 Credit Hours)
 QUAN 6600 - Business Analytics for Managers (3 Credit Hours)
 SECR 6168 - Cross-Cultural Security and Psychology (3 Credit Hours)
 SECR 6412 - Intelligence Collection (3 Credit Hours)
 SECR 6413 - Open-Source Intelligence (3 Credit Hours)
 SECR 6414 - Public Health and Medical Intelligence: Security and Civilian Principles and Applications (3 Credit Hours)
 SECR 6415 - Intelligence Analysis (3 Credit Hours)
 SECR 6650 - National Security and Public Policy (3 Credit Hours)
 SECR 6809 - Ethnic Conflict and Political Violence (3 Credit Hours)
 SECR 6810 - The Politics of Islam and International Security (3 Credit Hours)
 SECR 6813 - Environmental Issues in International Security (3 Credit Hours)
 SECR 6814 - Space and International Security (3 Credit Hours)
 SECR 6815 - Weapons of Mass Destruction and International Security (3 Credit Hours)
 SECR 6912 - Counterterrorism Studies (3 Credit Hours)
 SECR 6913 - Critical Security Studies (3 Credit Hours)
 SECR 6914 - Future Wars (3 Credit Hours)
 SECR 6915 - The Economics of International Security (3 Credit Hours)
 SECR 6917 - Democracy and Conflict (3 Credit Hours)
 SECR 6918 - Stability and Peacekeeping Operations (3 Credit Hours)
 SECR 6919 - The Psychology of Terrorism (3 Credit Hours)
 SECR 6920 - Weaponizing Information: The History and Theory of Propaganda (3 Credit Hours)
 SECR 6950 - Selected Topics in Intelligence and Security Studies (3 Credit Hours)
 SECR 6980 - Introduction to Cyber Intelligence and Cybersecurity Policy (3 Credit Hours)
 SECR 6981 - Cyber Conflict: History and Theory of Cyber War (3 Credit Hours)
 SECR 6982 - Information Warfare (3 Credit Hours)
 SECR 6983 - Hybrid Warfare (3 Credit Hours)
 SECR 7000 - Directed Readings in Intelligence and Security Studies (0 to 6 Credit Hours)

Graduate Capstone: 6 Hours

Select one of the following options:

SECR 6997 - Capstone (0 to 6 Credit Hours)
 SECR 6998 - Thesis I (3 Credit Hours)
 and SECR 6999 - Thesis II (3 Credit Hours)
 SECR 6916 - The Causes and Prevention of War (3 Credit Hours)
 and any other SECR course (courses not taken from Cyber/Intel above are recommended) (3 Credit Hours)

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)
 WELL XXXX - Activity Course (1 Credit Hour)
 WELL XXXX - Activity Course (1 Credit Hour)

Dual Degree Total: 151 Hours

Bachelor's to Professional

Accelerated Bachelor of Science with a Major in Cell and Molecular Biology to Doctor of Dental Medicine

Program Overview

Augusta University offers a BS/DMD program which allows outstanding students the opportunity to achieve both their BS and DMD in only seven years. Only new freshmen students are eligible to apply to the program. In this program, students will spend their first three years in pursuit of the Bachelor of Science with a Major in Cell and Molecular Biology through the Department of Biological Sciences in the College of Science and Mathematics (CSM). In their fourth year, students will begin their four-year program in dental medicine through the Dental College of Georgia (DCG) to earn their Doctor of Dental Medicine. Courses taken in the first year of dental program will be used to satisfy any remaining course requirements needed to complete the BS degree.

augusta.edu/scimath/biological-sciences/bs-md-dmd

Program Contact

Department of Biological Sciences
706-737-1539
biology@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- Students must maintain a minimum cumulative and science/mathematics GPA of 3.6 at the end of each of the first three years
- Students must be enrolled full-time with a target of 15 credit hours each semester in the courses prescribed by the program
- A grade of C or better is required in all courses
- Students are required to take courses in the prescribed sequence, and they do not have the option to take a course out of sequence or to repeat a course.
- Students will be evaluated in an ongoing manner to a standard consistent with a future career in dentistry. This standard will consist of core competencies characterized by interpersonal and communications skills, professionalism, practice-based learning and improvement, and more. These competencies are derived from the Accreditation Council for Graduate Medical Education and are modified to levels appropriate for the pre-professional student.
- Students must take the DAT no later than August 31 after the Sophomore year, and they must achieve scores of not less than the prior year's academic and perceptual DAT means of students matriculating into dental school
- All volunteer clinical service hours must be completed and documented by October 1 of the Junior year
- Students are required to complete a research paper due to the Program Manager by October 1 of their Junior year
- Application to dental school must be completed in AADSAS by September 1 of the Junior year
- DCG's secondary application must be completed by September 30 of the junior year
- Satisfactory completion of the ETS Major Field Test at the end of the Junior year

Undergraduate Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

BIOL 1107 - Principles of Biology I (3 Credit Hours)
 BIOL 1107L - Principles of Biology I Laboratory (1 Credit Hour)
 BIOL 1108 - Principles of Biology II (3 Credit Hours)
 BIOL 1108L - Principles of Biology II Laboratory (1 Credit Hour)
 CHEM 1211 - Principles of Chemistry I (3 Credit Hours)
 CHEM 1211L - Principles of Chemistry I Laboratory (1 Credit Hour)
 CHEM 1212 - Principles of Chemistry II (3 Credit Hours)
 CHEM 1212L - Principles of Chemistry II Laboratory (1 Credit Hour)

Plus select one of the following:

BUSA 1105 - Introduction to Business and Professional Skills (3 Credit Hours)
 CSCI 1200 - Introduction to Computers and Programming (3 Credit Hours)
 CSCI 1210 - Introduction to Java Programming (3 Credit Hours)
 CSCI 1301 - Principles of Computer Programming I (4 Credit Hours)
 ENGL 2680 - Professional and Technical Writing (3 Credit Hours)
 KNHS 2300 - Introduction to Medical Terminology (3 Credit Hours)
 MATH 2011 - Calculus and Analytical Geometry I (4 Credit Hours)
 MILS 1021 - Basic Leadership (3 Credit Hours)
 MILS 2011 - Individual Leadership Studies (3 Credit Hours)
 MILS 2021 - Leadership and Teamwork (3 Credit Hours)
 MINF 2201 - Microcomputer Applications (3 Credit Hours)
 Foreign Language Course (3 Credit Hours)

Major Courses: 41-42 Hours

The following courses are required. The remaining Major Courses hours will come from courses taken during the first year of dental school for the Doctor of Dental Medicine.

BIOL 3200 - Genetics (3 Credit Hours)
 BIOL 3400 - Cell Biology (3 Credit Hours)
 BIOL 3500 - Microbiology (4 Credit Hours)
 BIOL 3700 - Molecular Biology Laboratory (3 Credit Hours)
 BIOL 4700 - Advanced Cell Biology (3 Credit Hours)

Plus select one of the following:

BIOL 4720 - Principles of Pharmacology (3 Credit Hours)
 BIOL 4730 - Immunology (3 Credit Hours)
 BIOL 4740 - Molecular Pathogenesis (4 Credit Hours)
 BIOL 4750 - Developmental Biology (4 Credit Hours)
 BIOL 4780 - Molecular Carcinogenesis (3 Credit Hours)

Upper-Division Electives: 8 Hours

CHEM 3411 - Organic Chemistry I (3 Credit Hours)
 CHEM 3411L - Organic Chemistry I Laboratory (1 Credit Hour)
 CHEM 3412 - Organic Chemistry II (3 Credit Hours)
 CHEM 3412L - Organic Chemistry II Laboratory (1 Credit Hour)

Electives: 17-21 Hours

As needed to complete the credit hours required for graduation.

Required Lower-Division Courses: 11 Hours

BIOL 2251 - Anatomy and Physiology I (4 Credit Hours)

BIOL 2252 - Anatomy and Physiology II (4 Credit Hours)

The following courses may be used as part of the Core IMPACTS requirements:

MATH 1401 - Elementary Statistics (3 Credit Hours)

PHYS 1111 - Introductory Physics I (3 Credit Hours)

PHYS 1111L - Introductory Physics I Laboratory (1 Credit Hour)

PHYS 1112 - Introductory Physics II (3 Credit Hours)

PHYS 1112L - Introductory Physics II Laboratory (1 Credit Hour)

PSYC 1101 - Introduction to General Psychology (3 Credit Hours)

SOCI 1101 - Introduction to Sociology (3 Credit Hours)

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)

WELL XXXX - Activity Course (1 Credit Hour)

WELL XXXX - Activity Course (1 Credit Hour)

Undergraduate Degree Total: 124 Hours

Accelerated Bachelor of Science with a Major in Cell and Molecular Biology to Doctor of Medicine**Program Overview**

Augusta University offers a BS/MD program which allows outstanding students the opportunity to achieve their BS and MD in only seven years. Only new freshmen students are eligible to apply to the program. In this program, students will spend their first three years in pursuit of the Bachelor of Science with a Major in Cell and Molecular Biology through the Department of Biological Sciences in the College of Science and Mathematics (CSM). In their fourth year, students will begin their four-year program in medicine through the Medical College of Georgia (MCG) to earn the Doctor of Medicine. Courses taken in the first year of medical program will be used to satisfy any remaining course requirements needed to complete the BS degree.

augusta.edu/scimath/biological-sciences/bs-md-dmd**Program Contact**

Department of Biological Sciences

706-737-1539

biology@augusta.edu**Admissions Information**

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

	Minimum GPA (Cumulative and Science + Mathematics)
Year One	3.5
Year Two	3.6

Year Three	3.7

- Students must be enrolled full-time with a target of 15 credit hours each semester in the courses prescribed by the program
- A grade of C or better is required in all courses
- Students are required to take courses in the prescribed sequence, and they do not have the option to take a course out of sequence or to repeat a course.
- Students will be evaluated in an ongoing manner to a standard consistent with a future career in medicine. This standard will consist of core competencies characterized by interpersonal and communications skills, professionalism, practice-based learning and improvement, and more. These competencies are derived from the Accreditation Council for Graduate Medical Education and are modified to levels appropriate for the pre-professional student.
- Students must successfully complete an interview with MCG Admissions at the end of the junior year
- Students must take the MCAT no later than August 31 after the sophomore year, and they must achieve a score of not less than the prior year's total national MCAT mean of students matriculating into medical school
- All volunteer clinical service hours must be completed and documented by October 1 of the junior year
- Application to medical school must be completed in AMCAS by September 15 of the junior year
- MCG's secondary application must be completed by September 30 of the junior year
- Satisfactory completion of the ETS Major Field Test at the end of the junior year

Undergraduate Degree Requirements

Core IMPACTS Courses: 42 Hours

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Field of Study Courses: 18 Hours

BIOL 1107 - Principles of Biology I (3 Credit Hours)
 BIOL 1107L - Principles of Biology I Laboratory (1 Credit Hour)
 BIOL 1108 - Principles of Biology II (3 Credit Hours)
 BIOL 1108L - Principles of Biology II Laboratory (1 Credit Hour)
 CHEM 1211 - Principles of Chemistry I (3 Credit Hours)
 CHEM 1211L - Principles of Chemistry I Laboratory (1 Credit Hour)
 CHEM 1212 - Principles of Chemistry II (3 Credit Hours)
 CHEM 1212L - Principles of Chemistry II Laboratory (1 Credit Hour)

Plus select one of the following:

BUSA 1105 - Introduction to Business and Professional Skills (3 Credit Hours)
 CSCI 1200 - Introduction to Computers and Programming (3 Credit Hours)
 CSCI 1210 - Introduction to Java Programming (3 Credit Hours)
 CSCI 1301 - Principles of Computer Programming I (4 Credit Hours)
 ENGL 2680 - Professional and Technical Writing (3 Credit Hours)
 KNHS 2300 - Introduction to Medical Terminology (3 Credit Hours)
 MATH 2011 - Calculus and Analytical Geometry I (4 Credit Hours)
 MILS 1021 - Basic Leadership (3 Credit Hours)
 MILS 2011 - Individual Leadership Studies (3 Credit Hours)
 MILS 2021 - Leadership and Teamwork (3 Credit Hours)
 MINF 2201 - Microcomputer Applications (3 Credit Hours)
 Foreign Language Course (3 Credit Hours)

Major Courses: 41-42 Hours

The following courses are required. The remaining Major Course hours will come from courses taken during the first year of medical school for the Doctor of Medicine.

BIOL 3200 - Genetics (3 Credit Hours)
 BIOL 3400 - Cell Biology (3 Credit Hours)
 BIOL 3500 - Microbiology (4 Credit Hours)
 BIOL 3700 - Molecular Biology Laboratory (3 Credit Hours)
 BIOL 4700 - Advanced Cell Biology (3 Credit Hours)

Plus select one of the following:

BIOL 4720 - Principles of Pharmacology (3 Credit Hours)
 BIOL 4730 - Immunology (3 Credit Hours)
 BIOL 4740 - Molecular Pathogenesis (4 Credit Hours)
 BIOL 4750 - Developmental Biology (4 Credit Hours)
 BIOL 4780 - Molecular Carcinogenesis (3 Credit Hours)

Required Lower-Division Courses: 11 Hours

BIOL 2251 - Anatomy and Physiology I (4 Credit Hours)
 BIOL 2252 - Anatomy and Physiology II (4 Credit Hours)

The following courses may be used as part of the Core IMPACTS requirements:

MATH 1401 - Elementary Statistics (3 Credit Hours)
 PHYS 1111 - Introductory Physics I (3 Credit Hours)
 PHYS 1111L - Introductory Physics I Laboratory (1 Credit Hour)
 PHYS 1112 - Introductory Physics II (3 Credit Hours)
 PHYS 1112L - Introductory Physics II Laboratory (1 Credit Hour)
 PSYC 1101 - Introduction to General Psychology (3 Credit Hours)
 SOCI 1101 - Introduction to Sociology (3 Credit Hours)

Upper-Division Electives: 7 Hours

CHEM 3411 - Organic Chemistry I (3 Credit Hours)
 CHEM 3411L - Organic Chemistry I Laboratory (1 Credit Hour)
 CHEM 3551 - Introductory Biochemistry (3 Credit Hours)

Free Electives: 17-21 Hours

As needed to complete the credit hours required for graduation.

Wellness Graduation Requirement: 4 Hours

Students who begin at or transfer to Augusta University with less than 60 credit hours must complete the Wellness Requirement.

WELL 1000 - Wellness (2 Credit Hours)
 WELL XXXX - Activity Course (1 Credit Hour)
 WELL XXXX - Activity Course (1 Credit Hour)

Degree Total: 124 Hours

Undergraduate Minors

Minor in Accounting

Program Overview

The Minor in Accounting gives students an opportunity to learn basic concepts to build a good accounting foundation.

augusta.edu/hull

Progression and Graduation Requirements

- A grade of B or better is required in ACCT 2101 and ACCT 2102
- A grade of C or better is required in all Upper-division courses
- Per USG policy, courses taken to satisfy Core IMPACTS requirements may not be counted as coursework in the minor

Minor Requirements

Lower-Division Courses: 6 Hours

Grade of B or better is required in all Lower-Division courses.

ACCT 2101 - Principles of Accounting I (3 Credit Hours)

ACCT 2102 - Principles of Accounting II (3 Credit Hours)

Upper-Division Courses: 12 Hours

Grade of C or better is required in all Upper-division courses.

Select four of the following:

ACCT 3311 - Intermediate Accounting I (3 Credit Hours)

ACCT 3312 - Intermediate Accounting II (3 Credit Hours)

ACCT 3321 - Cost Accounting (3 Credit Hours)

ACCT 3331 - Federal Income Taxation (3 Credit Hours)

ACCT 4350 - Accounting Information Systems (3 Credit Hours)

ACCT 4380 - Governmental and Institutional Accounting (3 Credit Hours)

Minor Total: 18 Hours

Minor in Anthropology

Program Overview

Anthropology studies all past and present aspects of human culture, including human biological and cultural diversity, human origins, the origins and development of cultural complexity, analyzing material artifacts, preserving heritage, and understanding and solving problems related to globalization and the multicultural environments it creates in business, healthcare, education, government, NGOs, etc. that individuals and societies must negotiate in the modern world. As a field covering a broad range of topics, as a minor it is an excellent complement to other disciplines and career choices.

Augusta.edu/pamplin/hist-anth-phil/anthropology

Progression and Graduation Requirements

- A grade of C or better is required in each course
- Courses taken to satisfy Core IMPACTS requirements may not be counted as coursework in the minor

Minor Requirements

Lower-Division Courses: 3 Hours

ANTH 1102 - Introductory Anthropology (3 Credit Hours)

ANTH 2011 - Cultural Anthropology (3 Credit Hours)

Upper-Division Courses: 15 Hours

Take five courses from the following; at least three courses must be taken in residence at this university:

ANTH 3001 - Methods in Cultural Anthropology (4 Credit Hours)

ANTH 3002 - Methods in Archaeology (4 Credit Hours)

ANTH 3290 - Archaeology of the Americas (3 Credit Hours)

ANTH 3411 - Native Americans (3 Credit Hours)
 ANTH 3535 - Medical Anthropology (3 Credit Hours)
 ANTH 3817 - African Cultural Issues (3 Credit Hours)
 ANTH 3831 - Archaeology (3 Credit Hours)
 ANTH 3841 - Biological Anthropology (3 Credit Hours)
 ANTH 3851 - Religion, Culture, and Society (3 Credit Hours)
 ANTH 3870 - Identity: Ethnicity, Gender, and Class (3 Credit Hours)
 ANTH 4210 - Historical Archaeology (3 Credit Hours)
 ANTH 4217 - Travelers, Migrants and Refugees (3 Credit Hours)
 ANTH 4541 - Food and Culture (3 Credit Hours)
 ANTH 4950 - Selected Topics (1 to 3 Credit Hours)
 ANTH 4960 - Internship (1 to 3 Credit Hours)
 ANTH 4990 - Undergraduate Research (1 to 3 Credit Hours)
 HIST 4111 - History of World Religions (3 Credit Hours)
 MUSI 3330 - Music of the World's Peoples (3 Credit Hours)

Minor Total: 18 Hours

Minor in Art

Program Overview

Students minoring in studio art have the opportunity to incorporate artistic passion with their academic pursuits. These students fulfill their art interests through courses in painting, ceramics, drawing, sculpture, printmaking and photography. These engaging studio classes provide creative experiences in fine arts.

augusta.edu/pamplin/art

Progression and Graduation Requirements

- A grade of C or better is required in Upper-Division Courses
- Courses taken to satisfy Core IMPACTS Requirements may not be counted as coursework in the minor

Minor Requirements

Lower-Division Courses: 9 Hours

ART 1211 - Drawing I: An Introduction to Techniques and Methods of Expression (3 Credit Hours)
 ART 1520 - Two-Dimensional Design (3 Credit Hours)
 ART 1530 - Three-Dimensional Design (3 Credit Hours)

Upper-Division Courses: 9 Hours

Select 3 upper-division Studio Art or Art History courses.

Minor Total: 18 Hours

Minor in Biology

Program Overview

The Biology minor offers students a strong foundation in biological principles through coursework and hands-on lab experiences. It complements a variety of majors and enhances preparation for careers or advanced study in health, research, and environmental sciences.

augusta.edu/scimath/biological-sciences

Progression and Graduation Requirements

- Students minoring in biology should see a biology faculty member as early in their careers as possible. Major-minor combinations that combine biology and/or cell and molecular biology are not permitted.
- Courses taken to satisfy General Education/Core IMPACTS Requirements may not be counted as coursework in the minor.

Prerequisite Courses

Prerequisite courses do not count toward the minor, but they are required to be taken in order to enroll in courses that are included in the minor.

BIOL 1107 - Principles of Biology I (3 Credit Hours)
 BIOL 1107L - Principles of Biology I Laboratory (1 Credit Hour)
 BIOL 1108 - Principles of Biology II (3 Credit Hours)
 BIOL 1108L - Principles of Biology II Laboratory (1 Credit Hour)

Minor Requirements

Upper-Division Courses: 15-18 Hours

In consultation with their major department and the Department of Biological Sciences, students select 15-18 hours from any upper-division biology courses. A grade of C or better is required in all courses toward the minor.

- BIOL 3XXX
- BIOL 4XXX

Minor Total: 15-18 Hours

Minor in Business Administration

Program Overview

The Minor in Business Administration provides students with a broad understanding of business practice and applications.

augusta.edu/hull

Progression and Graduation Requirements

- A grade of C or better required in all Lower and Upper-division courses.
- Per USG policy, courses taken to satisfy Core IMPACTS requirements may not be counted as coursework in the minor.

Minor Requirements

Lower-Division Courses: 9 Hours

A grade of C or better is required in all these courses.
 ACCT 2101 - Principles of Accounting I (3 Credit Hours)
 MGMT 2106 - Legal and Ethical Environment of Business (3 Credit Hours)

Economics Elective

Select one of the following:

ECON 1810 - Introduction to Economics (3 Credit Hours)
 ECON 2105 - Macroeconomics (3 Credit Hours)
 ECON 2106 - Microeconomics (3 Credit Hours)

Upper-Division Courses: 9 Hours

A grade of C or better is required in all these courses.

MGMT 3500 - Management Theory and Practice (3 Credit Hours)

MKTG 3700 - Principles of Marketing (3 Credit Hours)

FINC 3400 - Corporate Finance (3 Credit Hours)

Minor Total: 18 Hours**Minor in Chemistry****Program Overview**

By earning a chemistry minor, you will learn foundational chemical principles and obtain practical laboratory skills that will enhance the value of any degree. There is also sufficient flexibility to explore a classic or specialized field of chemistry within the minor. If you continue in chemistry, only a few classes beyond the minor are needed to earn a BA in Chemistry as a second degree. A faculty advisor in chemistry can provide guidance for your best path. Employees with a chemistry background are employed in a very wide array of areas. See acs.org/careers for details.

augusta.edu/scimath/chemistry

Progression and Graduation Requirements

Courses taken to satisfy Core IMPACTS requirements may not be counted as coursework in the minor

- A grade of C or better is required in all chemistry courses
- All courses must be approved by the Chair of the Department of Chemistry and Biochemistry (prior approval is recommended)

Prerequisite Courses

Prerequisite courses do not count toward the minor, but they are required to be taken in order to enroll in courses that are included in the minor.

CHEM 1211 - Principles of Chemistry I (3 Credit Hours)

CHEM 1211L - Principles of Chemistry I Laboratory (1 Credit Hour)

CHEM 1212 - Principles of Chemistry II (3 Credit Hours)

CHEM 1212L - Principles of Chemistry II Laboratory (1 Credit Hour)

CHEM 2810 - Quantitative Analysis (5 Credit Hours)

Minor Requirements**Required Courses: 9 Hours**

CHEM 2810 - Quantitative Analysis (5 Credit Hours)

CHEM 3411 - Organic Chemistry I (3 Credit Hours)

CHEM 3411L - Organic Chemistry I Laboratory (1 Credit Hour)

Elective Courses: 6-8 Hours

Select from the following:

CHEM 3000 - Introduction to Nuclear Science (3 Credit Hours)

CHEM 3412 - Organic Chemistry II (3 Credit Hours)

CHEM 3412L - Organic Chemistry II Laboratory (1 Credit Hour)

CHEM 3721 - Physical Chemistry I (3 Credit Hours)

CHEM 4100 - Forensic Chemistry (4 Credit Hours)

CHEM 4210 - Advanced Inorganic Chemistry (3 Credit Hours)

CHEM 4450 - Advanced Organic Chemistry: Synthesis (3 Credit Hours)

CHEM 4460 - Advanced Organic Chemistry: Mechanisms (3 Credit Hours)

CHEM 4551 - Biochemistry I: Physical Biochemistry (3 Credit Hours)

CHEM 4600 - Physical Chemistry II - Quantum Mechanics (3 Credit Hours)
 CHEM 4840 - Instrumental Analysis (4 Credit Hours)
 CHEM 4950 - Selected Topics (1 to 4 Credit Hours)
 CHEM 3990 - Undergraduate Research (0 to 3 Credit Hours) (*maximum 3 hours total*)
 or CHEM 4990 - Undergraduate Research (0 to 3 Credit Hours) (*maximum 3 hours total*)
 or CHEM 4993 - Research Thesis (1 Credit Hour) (*maximum 3 hours total*)

Minor Total: 15-17 Hours

Minor in Communication

Program Overview

Surveys show that employers want to hire graduates with excellent communication skills. The Communication minor is an excellent way to develop strong skills that will complement any major area of study.

augusta.edu/pamplin/communication

Progression and Graduation Requirements

- A grade of C or better is required for all work in the minor
- Courses taken to satisfy Core IMPACTS requirements may not be counted as coursework in the minor

Minor Requirements

Lower-Division Courses: 6 Hours

Select two of the following courses:

COMM 2000 - Writing for Communication Professionals (3 Credit Hours)
 COMM 2010 - Media Literacy (3 Credit Hours)
 COMM 2020 - Introduction to Research (3 Credit Hours)

Upper-Division Courses: 12 Hours

Select four 3000-or 4000-level COMM courses.

Minor Total: 18 Hours

Minor in Computer Science

Program Overview

The School of Computer and Cyber Sciences offers a minor for students interested in achieving a fundamental understanding of the field of computer science. The computer science minor is open to all students at Augusta University, regardless of the student's degree program.

augusta.edu/ccs

Progression and Graduation Requirements

- A grade of C or better is required for all work in the minor
- Courses taken to satisfy Core IMPACTS requirements may not be counted as coursework in the minor

Minor Requirements

Lower-Division: 7 Hours

A grade C or better is required in all Lower-division courses.

CSCI 1301 - Principles of Computer Programming I (4 Credit Hours)

CSCI 1302 - Principles of Computer Programming II (3 Credit Hours)

Upper-Division: 9 Hours

A grade of C or better is required in all Upper-division courses. Students must meet prerequisites before attempting courses. *Select nine hours from the following courses:*

CSCI 3030 - Mathematical Structures for Computer Science (3 Credit Hours)

CSCI 3170 - Computer Organization (3 Credit Hours)

CSCI 3271 - Operating System (3 Credit Hours)

CSCI 3300 - Programming Languages Concepts (3 Credit Hours)

CSCI 3370 - Assembly Language Programming (3 Credit Hours)

CSCI 3400 - Data Structures (3 Credit Hours)

CSCI 3410 - Database Systems (3 Credit Hours)

CSCI 3420 - Distributed and Mobile Systems (3 Credit Hours)

CSCI 3430 - Artificial Intelligence (3 Credit Hours)

CSCI 3500 - Theory of Computation (3 Credit Hours)

CSCI 3600 - Internet Programming (3 Credit Hours)

CSCI 4711 - Software Engineering (3 Credit Hours)

CSCI 4712 - Senior Capstone Project (3 Credit Hours)

CSCI 4800 - Compiler Writing (3 Credit Hours)

CSCI 4820 - Computer Graphics (3 Credit Hours)

CSCI 4950 - Selected Topics (1 to 3 Credit Hours)

CSCI 4990 - Undergraduate Research (1 to 3 Credit Hours)

Any other Upper-division (3000-4000) CSCI course

Minor Total: 16 Hours

Minor in Criminal Justice

Program Overview

A Minor in Criminal Justice helps students learn about various aspects of the criminal justice systems and crime. Students may choose to focus on a particular part of the system or learn about many aspects to include law enforcement, corrections, and the administration of justice. The minor is a great addition for students whose careers may have them interact with those in the criminal justice system including biology, chemistry, english, political science, psychological sciences, social work, sociology, and more. Our minor is interdisciplinary and includes courses in criminal justice, sociology, political science, and psychology.

It is the responsibility of the student to initiate and maintain contact with an advisor to insure the proper selection and sequence of courses.

augusta.edu/pamplin/social-sciences/minors

Progression and Graduation Requirements

- A minimum grade of C is required in all prerequisites and upper-division courses
- Prerequisites to the Minor: CRJU 1103 is a prerequisite to all upper-division courses; POLS 1101 is a prerequisite to all upper-division POLS courses; SOCI 1101 is a prerequisite to all upper-division SOCI courses
- Courses taken to satisfy Core IMPACTS requirements may not be counted as coursework in the minor

Program Contact

Dr. William Hatcher
706-737-1710
soscsoci@augusta.edu

Minor Requirements

Upper-Division Courses: 15 Hours

In consultation with a criminal justice advisor, select five 3000/4000 courses from the specific courses used to satisfy the Criminal Justice major.

Minor Total: 15 Hours

Minor in Economics

Program Overview

The Minor in Economics gives students the opportunity to integrate economic analysis and modeling to address business and societal issues.

augusta.edu/hull

Progression and Graduation Requirements

- A grade of C or better is required for all work in the minor
- Courses taken to satisfy Core IMPACTS requirements may not be counted as coursework in the minor

Minor Requirements

Lower-Division Courses: 6 Hours

A grade of C or better is required in all Lower-Division courses.

ECON 2105 - Macroeconomics (3 Credit Hours)

ECON 2106 - Microeconomics (3 Credit Hours)

Upper-Division Courses: 12 Hours

A grade of C or better is required in all Upper-Division courses.

ECON 3105 - Intermediate Macroeconomics (3 Credit Hours)

ECON 3106 - Intermediate Microeconomics (3 Credit Hours)

Upper-Division Electives: 6 Hours

Plus select two from the following:

ECON 3130 - Healthcare Economics and Finance (3 Credit Hours)

ECON 4106 - Firm and Industry Studies (3 Credit Hours)

ECON 4110 - Economic Modeling and Forecasting (3 Credit Hours)

ECON 4420 - Financial Markets and Institutions (3 Credit Hours)

or FINC 4420 - Financial Markets and Institutions (3 Credit Hours)

ECON 4820 - International Economics and Finance (3 Credit Hours)

ECON 4990 - Undergraduate Research (1 to 3 Credit Hours)

Other courses as determined by Economics faculty

Minor Total: 18 Hours

Minor in English Literature

Program Overview

The literature minor allows students to study American, British, and World literature. Working closely with faculty mentors, students acquire a foundation in great literary texts.

augusta.edu/pamplin/english-world-languages

Progression and Graduation Requirements

- Courses taken to satisfy the Core IMPACTS Curriculum may not be counted as coursework in the minor
- A grade of C or better required in each course
- Prerequisites to the Minor: (1) ENGL 1101 or ENGL 1101H and (2) ENGL 1102 or ENGL 1102H

Minor Requirements

Lower-Division Courses: 6 Hours

Select two of the following courses:

ENGL 2111 - World Literature I (3 Credit Hours)
 ENGL 2112 - World Literature II (3 Credit Hours)
 ENGL 2121 - British Literature I (3 Credit Hours)
 ENGL 2122 - British Literature II (3 Credit Hours)
 ENGL 2131 - American Literature I (3 Credit Hours)
 ENGL 2132 - American Literature II (3 Credit Hours)

Required Courses: 3 Hours

ENGL 3250 - Introduction to Theory and Method (3 Credit Hours)

Upper-Division Courses: 6 Hours

Select two upper-division courses in English Literature.

Minor Total: 15 Hours

Minor in English Writing

Program Overview

A Minor in English focuses on one of the concentrations listed above. It complements any major at Augusta University. After passing ENGL 1101 and ENGL 1102 with a C or better, a student may choose any of four minor tracks which require only four English courses from the 3000 and 4000 series.

augusta.edu/pamplin/english-world-languages/english

Progression and Graduation Requirements

- Prerequisites to the Minor: (1) ENGL 1101 or ENGL 1101H and (2) ENGL 1102 or ENGL 1102H
- Courses taken to satisfy the Core IMPACTS Curriculum may not be counted as coursework in the minor
- A grade of C or better is required in each course

Program Information

Program Length: 0.5 Years

Minor Requirements

Introductory Writing Course: 3 Hours

Select one of the following:

ENGL 2110 - Creative Writing (3 Credit Hours)

ENGL 2680 - Professional and Technical Writing (3 Credit Hours)

Elective Courses: 12 Hours

Select four of the following:

ENGL 3605 - Literature for the Creative Writer: Creative Nonfiction (3 Credit Hours)

ENGL 3610 - Literature for the Creative Writer: Fiction (3 Credit Hours)

ENGL 3615 - Literature for the Creative Writer: Poetry (3 Credit Hours)

ENGL 3620 - Writing for the Theatre (3 Credit Hours)

ENGL 3630 - Foundations in Poetry (3 Credit Hours)

ENGL 3640 - Writing Short Fiction (3 Credit Hours)

ENGL 3650 - Grant Writing (3 Credit Hours)

ENGL 3660 - Introduction to Creative Nonfiction (3 Credit Hours)

ENGL 3681 - Advanced Style and Editing (3 Credit Hours)

ENGL 3682 - Writing in the Community (3 Credit Hours)

ENGL 4520 - Research in Writing (3 Credit Hours)

ENGL 4630 - Poetry Workshop (3 Credit Hours)

ENGL 4640 - Fiction Workshop (3 Credit Hours)

ENGL 4660 - Advanced Creative Nonfiction (3 Credit Hours)

ENGL 4670 - Sand Hills Literary Editing and Publishing (3 Credit Hours)

ENGL 4680 - Special Topics in Writing (3 Credit Hours)

ENGL 4961 - Professional Writing Internship (3 Credit Hours)

Minor Total: 15 Hours

Minor in French

Program Overview

The French minor is designed for students interested in the French language and French-speaking cultures. Students will develop reading, writing, speaking, and listening skills in French and be prepared to use the French language in their field of interest upon graduation.

augusta.edu/pamplin/english-world-languages/worldlanguages

Progression and Graduation Requirements

- Courses taken to satisfy the Core IMPACTS Curriculum may not be counted as coursework in the minor.
- Grade of C or better is required in all courses.
- For information on foreign language credit by examination through CLEP, the International Baccalaureate Program or the Defense Language Institute, visit the Office of Admissions website.

Program Information

Program Length: 4 Years

Minor Requirements

Lower-Division Courses: 6 Hours

FREN 2001 - Intermediate French I (3 Credit Hours)

FREN 2002 - Intermediate French II (3 Credit Hours)

Upper-Division Courses: 12 Hours

Complete 12 hours of French courses at the 3000/4000* level, including at least one of the following courses:

FREN 3100 - Oral Expression in French (3 Credit Hours)

FREN 3300 - Written Expression in French (3 Credit Hours)

FREN 3400 - French Phonetics (3 Credit Hours)

**Note: FREN 4801 and FREN 4802 cannot be used for the French minor*

Minor Total: 18 Hours**Minor in General Studies****Program Overview**

The student and the student's advisor should plan the minor around a theme appropriate to the student's educational goals. The advisor and the department chair for the student's major must approve the courses used for the minor, and the chair must sign the application for graduation as chair of the minor.

augusta.edu/Pamplin

Progression and Graduation Requirements

- A grade of C or better is required for all work in the minor
- Courses taken to satisfy Core IMPACTS requirements may not be counted as coursework in the minor

Minor Requirements**Upper-Division Courses: 15 Hours**

The minor requires 15 hours of coursework at the 3000 and 4000 level in at least two disciplines, with at most 9 hours from one discipline. At least 9 hours must be taken at this university. Courses may not be chosen from the student's major.

Minor Total: 15 Hours**Minor in German****Program Overview**

The ability to communicate in more than one language has become a prized skill in the global marketplace. The foreign language minor prepares students for this changing marketplace. The German minor is designed for students interested in the German language and German-speaking cultures. Students will develop reading, writing, speaking, and listening skills in German and be prepared to use the German language in their field of interest upon graduation. The minor requires 18 hours of German courses.

augusta.edu/pamplin/english-world-languages/worldlanguages

Progression and Graduation Requirements

- Courses taken to satisfy the Core IMPACTS Curriculum may not be counted as coursework in the minor.
- A grade of C or better is required in all courses.
- For information on foreign language credit by examination through CLEP, the International Baccalaureate Program or the Defense Language Institute, visit the Office of Admissions.

Program Information

Program Length: 4 Years

Minor Requirements

Lower-Division Courses: 6 Hours

GRMN 2001 - Intermediate German I (3 Credit Hours)

GRMN 2002 - Intermediate German II (3 Credit Hours)

Upper-Division Courses: 12 Hours

Complete 12 hours of German courses at the 3000/4000 level, choosing 4 of the following courses.

GRMN 3100 - Oral Communication in German (3 Credit Hours)

GRMN 3220 - German Society and Culture (3 Credit Hours)

GRMN 3300 - German Grammar and Written Communication (3 Credit Hours)

GRMN 3510 - Introduction to German Literature (3 Credit Hours)

GRMN 3520 - Studies in German Literature (3 Credit Hours)

GRMN 4950 - Selected Topics (3 Credit Hours)

SABR 3930 - Studies Abroad (1 to 3 Credit Hours)

SABR 4930 - Studies Abroad (1 to 12 Credit Hours)

Minor Total: 18 Hours

Minor in Gerontology

Program Overview

A Minor in Gerontology helps prepare students for careers working with older adults or being advocates for the elderly. This minor is an excellent addition to a degree for anyone who will be helping people as they age including doctors, nurses, social workers, human service workers, and occupational therapists. As our population continues to age, the need for educated professionals in gerontology will continue to grow. Our minor includes courses in sociology, social work, and psychology and allows/encourages students to do an internship.

augusta.edu/pamplin/social-sciences/minors

Program Contact

Dr. William Hatcher

706-737-1710

soscsoci@augusta.edu

Progression and Graduation Requirements

- A grade of C or better is required for all work in the minor
- Courses taken to satisfy Core IMPACTS requirements may not be counted as coursework in the minor

Minor Requirements

Lower-Division Courses: 6 Hours

PSYC 1101 - Introduction to General Psychology (3 Credit Hours)

SOCI 1101 - Introduction to Sociology (3 Credit Hours)

Upper-Division Courses: 9 Hours

PSYC 3133 - Adult Development and Aging (3 Credit Hours)

SOCI 3320 - Sociology of Aging (3 Credit Hours)
 or SOCI 3317 - Sociology of Health and Illness (3 Credit Hours)
 or SOCI 4317 - Sociology of Health Care (3 Credit Hours)
 SOCI 4421 - Gerontology (3 Credit Hours) or SOWK 4421 - Gerontology (3 Credit Hours)

Other Approved Courses: 3 Hours

PSYC 4960 - Undergraduate Internship (1 to 9 Credit Hours)
 PSYC 4990 - Undergraduate Research (1 to 9 Credit Hours)
 SOCI 3375 - Sociology of Death, Grief and Caring (3 Credit Hours)
 or SOWK 3375 - Sociology of Death, Grief, and Caring (3 Credit Hours)
 SOCI 4990 - Undergraduate Research (3 Credit Hours)
 SOSC 4960 - Social Science Undergraduate Internship (0 to 12 Credit Hours)
 SOWK 4960 - Undergraduate Internship (3 Credit Hours)
 SOWK 4990 - Undergraduate Research (1 to 3 Credit Hours)

Minor Total: 18 Hours

Minor in History

Program Overview

Our history program immerses students in the laboratory of the human past, under the guidance of a renowned faculty who teach courses about real people and their triumphs and failures. We show how humanity has shaped cultural, economic and political forces, both close to home and far-afield. Our history minor requires students complete one intro-level world civilizations course (either HIST 1111 or HIST 1112), and any five upper-level history courses. The Minor in History is a good complement to other disciplines.

augusta.edu/pamplin/hist-anth-phil

Progression and Graduation Requirements

- A grade of C or better is required for all work in the minor
- Courses taken to satisfy Core IMPACTS requirements may not be counted as coursework in the minor

Minor Requirements

Lower-Division Courses: 3 Hours

Select one of the following:

HIST 1111 - Pre-Modern World Civilization (3 Credit Hours)
 HIST 1112 - Modern World Civilization (3 Credit Hours)

Upper-Division Courses: 15 Hours

Select five upper-division HIST 3XXX or HIST 4XXX courses. *Note: a concentration of more than two upper-division courses in any field of history is discouraged.*

Students may also count one of the following courses toward the minor:

ANTH 3411 - Native Americans (3 Credit Hours)
 ANTH 3817 - African Cultural Issues (3 Credit Hours)
 ANTH 3831 - Archaeology (3 Credit Hours)
 ANTH 3851 - Religion, Culture, and Society (3 Credit Hours)
 PHIL 3010 - Ancient Political Philosophy (3 Credit Hours)
 PHIL 3095 - Major Philosophers in History (3 Credit Hours)
 PHIL 3601 - Modern Political Philosophy (3 Credit Hours)
 PHIL 4030 - Ancient Greek Philosophy (3 Credit Hours)

PHIL 4031 - 19th Century European Philosophy (3 Credit Hours)
PHIL 4032 - 20th Century Philosophy (3 Credit Hours)
PHIL 4033 - 17th and 18th Century Philosophy (3 Credit Hours)

Minor Total: 18 Hours

Minor in International Studies

Program Overview

Do you know where Djibouti is...or want to learn? Declare a minor in International Studies and enroll in classes like International Relations, Intercultural Communication, US Foreign Policy, and Governments of Developing Nations.

augusta.edu/pamplin/social-sciences/minors

Program Contact

Dr. William Hatcher
706-737-1710
soscsci@augusta.edu

Progression and Graduation Requirements

- A grade of C or better is required for all work in the minor
- Courses taken to satisfy Core IMPACTS requirements may not be counted as coursework in the minor

Program Information

Program Length: 1 Year

Minor Requirements

Required Courses: 9 Hours

POLS 3801 - International Relations (3 Credit Hours)
POLS 4902 - World Politics (3 Credit Hours)
SOSC 3001 - Methods in Social Science (3 Credit Hours) *
 or SOSC 3002 - Quantitative Analysis in Social Sciences (3 Credit Hours) *
 or SOSC 3003 - Qualitative Analysis in Social Sciences (3 Credit Hours) *

** If the student's major has a required research methods course, SOSC 3001, SOSC 3002, or SOSC 3003 is NOT required. The student may substitute any other course listed below and numbered 3000 or above.*

Upper-Division Elective Courses: 6 Hours

Select from the courses listed below, or select any foreign language course at the 3000 or 4000 level or any other upper level classes with an international focus with approval of the department chair.

BUSA 4200 - International Business (3 Credit Hours)
ECON 4820 - International Economics and Finance (3 Credit Hours)
EURO 3234 - Introduction to the EU (3 Credit Hours)
EURO 4090 - Selected Topics in EU Studies (3 Credit Hours)
EURO 4130 - European Union Studies (3 Credit Hours)
EURO 4160 - Federalism and Multilevel Governance in the EU (3 Credit Hours)
EURO 4230 - Doing Business in the EU (3 Credit Hours)
EURO 4260 - European Monetary Union (3 Credit Hours)
EURO 4330 - European Union Science and Technology Policy (3 Credit Hours)

EURO 4430 - EU Environmental Policy (3 Credit Hours)
 EURO 4530 - European Social Policy (3 Credit Hours)
 EURO 4630 - Communications and Media (3 Credit Hours)
 EURO 4730 - EU Foreign Policy (3 Credit Hours)
 EURO 4760 - United States - European Union Relations (3 Credit Hours)
 EURO 4830 - EU Studies Capstone Course (3 Credit Hours)
 ENGL 4360 - Studies in World Literature (3 Credit Hours)
 HIST 3211 - History and Culture of East Asia (3 Credit Hours)
 HIST 3311 - Modern Russia (3 Credit Hours)
 HIST 3531 - History of Mexico (3 Credit Hours)
 HIST 4391 - Twentieth Century Europe (3 Credit Hours)
 HIST 4950 - Selected Topics (1 to 4 Credit Hours)
 POLS 3101 - Comparative European Governments (3 Credit Hours)
 POLS 4701 - Governments of Developing Nations (3 Credit Hours)
 POLS 4809 - Identity, Nationalism and Ethnic Conflict (3 Credit Hours)
 POLS 4904 - Politics of Latin America (3 Credit Hours)
 POLS 4905 - United States Foreign Policy (3 Credit Hours)
 POLS 4906 - International Terrorism (3 Credit Hours)
 POLS 4911 - Introduction to Security Studies (3 Credit Hours)
 POLS 4912 - Counterterrorism (3 Credit Hours)
 POLS 4913 - The Politics of Islam (3 Credit Hours)
 POLS 4914 - Introduction to Middle Eastern Security Studies (3 Credit Hours)
 POLS 4915 - The Economics of Security (3 Credit Hours)
 POLS 4950 - Political Science Selected Topics (0 to 3 Credit Hours)
 SABR 4930 - Studies Abroad (1 to 12 Credit Hours) with prior approval of Department Chair
 SOSOC 4960 - Social Science Undergraduate Internship (0 to 12 Credit Hours)

Minor Total: 15 Hours

Minor in Kinesiology

Program Overview

Kinesiology is the scientific study of the anatomy, physiology, and mechanics of body movement, especially in humans. Education in kinesiology leads to careers in exercise; fitness, wellness, and health promotion; sport; and rehabilitation.

augusta.edu/education/kinesiology

Progression and Graduation Requirements

- A grade of C or better is required for all work in the minor
- Courses taken to satisfy Core IMPACTS requirements may not be counted as coursework in the minor

Minor Requirements

A Minor in Kinesiology may be earned by successfully completing 18 upper-division credit hours with a grade of C or better. All courses toward the minor must be approved by an advisor in the Department of Kinesiology. *Select from the following:*

KHNS 3XXX - Kinesiology Elective (3 Credit Hours)
 KHNS 4XXX - Kinesiology Elective (3 Credit Hours)

Minor Total: 18 Hours

Minor in Mathematics

Program Overview

A minor in mathematics is a great complement to any major, particularly majors in the sciences or business. A minor in mathematics trains students in challenging problem solving and logical thought processes, skills valuable to any employer.

augusta.edu/scimath/mathematics

Progression and Graduation Requirements

- A grade of C or better is required for all work in the minor
- Courses taken to satisfy Core IMPACTS requirements may not be counted as coursework in the minor

Minor Requirements

Prerequisite Course: 4 Hours

MATH 2011 - Calculus and Analytical Geometry I (4 Credit Hours)

Required Courses: 7-8 Hours

Select one of the following:

MATH 2012 - Calculus and Analytical Geometry II (4 Credit Hours)

MATH 2013 - Calculus and Analytical Geometry III (4 Credit Hours) *(if MATH 2012 was used as part of the Core IMPACTS requirements)*

Select one additional course from the following:

DATA 1501 - Introduction to Data Science (3 Credit Hours)

MATH 1401 - Elementary Statistics (3 Credit Hours)

MATH 2013 - Calculus and Analytical Geometry III (4 Credit Hours)

MATH 2020 - Introduction to Discrete Mathematics (3 Credit Hours)

MATH 2030 - Logic and Set Theory (3 Credit Hours)

Upper-Division Courses: 9 Hours

Select 9 hours from upper-division mathematics courses that are approved for the mathematics major.

Note: these courses may not be used for the minor: MATH 3210, MATH 3241, MATH 3242, MATH 3243, MATH 3261, MATH 3262, and MATH 3263.

Minor Total: 16-17 Hours

Minor in Military Science

Program Overview

The Minor in Military Science is primarily designed for students planning a career in the U.S. Army as commissioned Second Lieutenants who demonstrate the potential to be agile, adaptive, and innovative tactical leaders capable of succeeding in complex situations.

augusta.edu/militaryscience

Progression and Graduation Requirements

- Courses should be arranged in consultation with your major department and the Professor of Military Science.
- Courses taken to satisfy Core Areas A through E may not be counted as coursework in the minor.

- Cadets must maintain a 3.0 or higher each semester and cumulative GPA in Military Science classes.

Minor Requirements

MILS 3011 - Leadership and Problem Solving (3 Credit Hours)

MILS 3021 - Leadership and Ethics (3 Credit Hours)

MILS 4011 - Leadership Management (3 Credit Hours)

MILS 4021 - Officership (3 Credit Hours)

MILS 4060 - Leadership Development and Assessment (3 Credit Hours)

Minor Total: 15 Hours

Minor in Music

Program Overview

The music minor is available to all university students who have interest and ability in music. The program requires 15 hours of coursework in applied music, ensembles, music literature, and music theory.

augusta.edu/pamplin/music/minor

Progression and Graduation Requirements

- As a music minor, students are required to declare a major performing area (voice, piano, trumpet, etc.). In addition to being proficient on their instrument, music minors must also demonstrate a knowledge of music literature.
- A grade of C or better is required for all work in the minor
- Courses taken to satisfy Core IMPACTS requirements may not be counted as coursework in the minor
- General Degree requirements for all music minors:
- Applied Lessons: Lessons in applied music (principal performing medium) must be taken a minimum of three semesters for a total of five credit hours.
- Major Ensembles: All music minors are required to participate for credit in a major ensemble for a minimum of four semesters, whether of full-time or part-time status. All students will be assigned to a major ensemble upon entrance to the minor. Major ensembles are defined as the following: 1. Augusta University Wind Ensemble (all woodwinds, brass and percussion), 2. Augusta University Orchestra (all string instruments), and Augusta University Singers (all voice types). Students who choose piano or guitar as their performing medium will be assigned to one of the three depending upon their experiences in secondary performing areas.
- Recital Lab and Studio Class: Music minors are required to be enrolled and achieve a passing grade in Recital Laboratory (MUSI 1500) and Studio Class (MUSA 2XX5) for a minimum of three semesters. Recital Lab and Studio Class are required co-requisites for all applied lesson study.
- Advising: All music minors are required to have an advisor on the full-time music faculty; a student's advisor is most often also their applied teacher. Self-advising for any program in music is not allowed.

Minor Requirements

Required Courses: 6 Hours

MUSI 1101 - Aural Skills I (2 Credit Hours)

MUSI 1211 - Music Theory I (2 Credit Hours)

MUSI 2230 - Introduction to Western Music Literature (2 Credit Hours)

Major Ensembles: 4 Hours

MUSI 36X0- Music Ensemble (1 Credit Hour)

MUSI 36X0- Music Ensemble (1 Credit Hour)

MUSI 36X0- Music Ensemble (1 Credit Hour)

MUSI 36X0- Music Ensemble (1 Credit Hour)

Recital Experience: 0 Hours

MUSI 1500 - Recital Laboratory (0 Credit Hours) (3 semesters minimum)

MUSI 2XX5 - Studio Class (3 semesters minimum)

Applied Lessons: 5 Hours

MUSA 3XX0 (1 Credit Hour)

MUSA 3XX1 (2 Credit Hours)

MUSA 3XX2 (2 Credit Hours)

Minor Total: 15 Hours

Minor in Neuroscience

Program Overview

By earning a minor in Neuroscience, students learn foundational principles from some of the multiple disciplines associated with Neuroscience. The required and elective courses for the minor emphasize cellular, molecular, and cognitive approaches to understanding the nervous system. This minor provides a good introduction for students considering advanced studies in neuroscience after the completion of their bachelor's degree.

Program Contact

Dr. Amy Abdulovic-Cui

706-729-2126

aabduloviccui@augusta.edu

Progression and Graduation Requirements

- Courses taken to satisfy Core IMPACTS course requirements may not be counted as coursework in the minor
- A grade of C or better is required in all courses applied to the minor

Prerequisite Courses

Prerequisite courses do not count toward the minor, but they are required to be taken in order to enroll in courses that are included in the minor. A grade of C or better is required in all coursework.

BIOL 1107 - Principles of Biology I (3 Credit Hours)

BIOL 1107L - Principles of Biology I Laboratory (1 Credit Hour)

BIOL 1108 - Principles of Biology II (3 Credit Hours)

BIOL 1108L - Principles of Biology II Laboratory (1 Credit Hour)

CHEM 1211 - Principles of Chemistry I (3 Credit Hours)

CHEM 1211L - Principles of Chemistry I Laboratory (1 Credit Hour)

CHEM 1212 - Principles of Chemistry II (3 Credit Hours)

CHEM 1212L - Principles of Chemistry II Laboratory (1 Credit Hour)

CHEM 3411 - Organic Chemistry I (3 Credit Hours), CHEM 3411L - Organic Chemistry I Laboratory (1 Credit Hour), CHEM 3412 - Organic Chemistry II (3 Credit Hours), and CHEM 3412L - Organic Chemistry II Laboratory (1 Credit Hour) if you choose CHEM 4551 or CHEM 4620

MATH 1113 - Precalculus Mathematics (3 Credit Hours)

NSCI 2001 - Introduction in Neuroscience (3 Credit Hours)

NSCI 2010 - Introduction to Neuropharmacology (3 Credit Hours)

PSYC 1101 - Introduction to General Psychology (3 Credit Hours)

Minor Requirements

Required Courses: 12 Hours

BIOL 3370 - Neurobiology (3 Credit Hours)
 BIOL 3400 - Cell Biology (3 Credit Hours)
 NSCI 3001 - Neuroscience Journal Club (1 Credit Hour)
 NSCI 3010 - Neuroscience Methods (2 Credit Hours)
 NSCI 4010 - Neuropharmacology (3 Credit Hours)

Electives: 6 Hours

Select two courses from the following electives listed:

BIOL 4680 - Pathophysiology (3 Credit Hours)
 BIOL 4700 - Advanced Cell Biology (3 Credit Hours)
 BIOL 4720 - Principles of Pharmacology (3 Credit Hours)
 CHEM 4551 - Biochemistry I: Physical Biochemistry (3 Credit Hours)
 CHEM 4552 - Biochemistry II: Bioenergetics and Metabolism (3 Credit Hours)
 CHEM 4620 - Principles of Medicinal Chemistry (3 Credit Hours)
 PSYC 3143 - Abnormal Psychology (3 Credit Hours)
 PSYC 3180 - Drugs and Behavior (3 Credit Hours)

Minor Total: 18 Hours

Minor in Nonprofit Management

Program Overview

Nonprofit organizations are essential to the health of our communities. They help shape public policy, contribute to the economy, deliver goods and services, and contribute to a free and open society through citizen mobilization and participation. The Minor in Nonprofit Management teaches students the skills needed to administer nonprofit organizations.

augusta.edu/pamplin/social-sciences/minors

Program Contact

Dr. William Hatcher
 706-737-1710
soscsci@augusta.edu

Minor Requirements

Required Courses

ENGL 3650 - Grant Writing (3 Credit Hours)
 or ENGL 3682 - Writing in the Community (3 Credit Hours)
 POLS 4050 - Nonprofit Management (3 Credit Hours)
 POLS 4051 - Financial Management for Nonprofits (3 Credit Hours)

Select two of the following:

CRJU 3331 - Youth and Society (3 Credit Hours)
 PSYC 2103 - Introduction to Human Development (3 Credit Hours)
 SOCI 3331 - Youth and Society (3 Credit Hours)
 SOWK 3331 - Youth and Society (3 Credit Hours)
 SOWK 4421 - Gerontology (3 Credit Hours)

Select one of the following:

ART 4961 - Undergraduate Internship: Art Museum Studies I (3 Credit Hours)
 ART 4962 - Undergraduate Internship: Art Museum Studies II (3 Credit Hours)

ENGL 4960 - Undergraduate Internship (1 to 3 Credit Hours)
 SOSOC 4960 - Social Science Undergraduate Internship (0 to 12 Credit Hours)
 POLS 4401 - Government Organization and Administrative Theory (3 Credit Hours)

Minor Total: 18 Hours

Minor in Philosophy

Program Overview

Philosophy is the art of thinking. As such, it provides an excellent foundation for today's students. Philosophy helps one to question his or her assumptions and point of view, understand other points of view on functional issues, and think critically, morally, and meaningfully. A minor in philosophy complements any major program and is applicable in any human endeavor where rational thought is required.

augusta.edu/pamplin/hist-anth-phil/philosophy

Progression and Graduation Requirements

- A grade of C or better is required for all work in the minor
- Courses taken to satisfy Core IMPACTS requirements may not be counted as coursework in the minor

Minor Requirements

Lower-Division Courses: 3 Hours

Select one of the following courses (if not taken as part of Core IMPACTS Requirements):

PHIL 2010 - Introduction to Philosophy (3 Credit Hours)
 PHIL 2020 - Introduction to Critical Thinking (3 Credit Hours)

Upper-Division Courses: 12 Hours

Select four upper-division courses with four courses in Philosophy numbered 3000 or above OR three courses in Philosophy numbered 3000 or above and one of the following courses:

HIST 4111 - History of World Religions (3 Credit Hours)
 POLS 3501 - Ancient Political Thought (3 Credit Hours)
 POLS 3601 - Modern Political Thought (3 Credit Hours)
 POLS 3701 - Contemporary Political Thought (3 Credit Hours)

Minor Total: 15 Hours

Minor in Physics

Program Overview

The analytical and problem-solving abilities gained from the study of physics are valued widely. The American Institute of Physics provides information on the many opportunities afforded by an education in physics online at jobs.physicstoday.org.

A minor in physics is highly customizable from selection among a broad range of courses in the physics curriculum. A minor in physics adds employer recognized benefit to many science and non-science major degrees. This benefit is particularly respected in fields such as education, computer science, and business.

augusta.edu/scimath/physics

Progression and Graduation Requirements

- Courses taken to satisfy the Core IMPACTS Requirements may not be counted as coursework in the minor
- A grade of C or better is required in all Physics courses
- All courses must be approved by the Chair of the Department of Physics and Biophysics (prior approval is recommended)
- Prerequisites listed below

Prerequisite Courses

Prerequisite courses do not count toward the minor, but they are required to be taken in order to enroll in courses that are included in the minor.

Physics Courses: 8 Hours

Select one of the following options:

Physics Option I

PHYS 1111 - Introductory Physics I (3 Credit Hours)
 PHYS 1111L - Introductory Physics I Laboratory (1 Credit Hour)
 PHYS 1112 - Introductory Physics II (3 Credit Hours)
 PHYS 1112L - Introductory Physics II Laboratory (1 Credit Hour)

Physics Option II

PHYS 2211 - Principles of Physics I (4 Credit Hours)
 PHYS 2212 - Principles of Physics II (4 Credit Hours)

Minor Requirements

Required Course: 4 Hours

MATH 2012 - Calculus and Analytical Geometry II (4 Credit Hours)

Elective Courses: 11-12 Hours Minimum

Select three or four PHYS 3XXX or PHYS 4XXX courses from approved courses in either of the Physics Major Concentrations (concentration includes courses "selected with advisor assistance") (11-12 Credit Hours Minimum)

Minor Total: 15-16 Hours

Minor in Political Science

Program Overview

Would you like to know more about the exciting world of politics and the vital role government plays in our lives? Get a minor in Political Science and try classes like International Terrorism, Electoral Behavior, The Supreme Court, Ancient Political Thought, and World Politics.

augusta.edu/pamplin/social-sciences/minors

Program Contact

Will Hatcher, PhD
 706-737-1710
soscsci@augusta.edu

Progression and Graduation Requirements

- A grade of C or better is required for all work in the minor (including prerequisites)
- Courses taken to satisfy Core IMPACTS requirements may not be counted as coursework in the minor
- Prerequisite to the minor: POLS 1101

Minor Requirements

Social Science Course: 3 Hours

If the student's major has a required research methods course, SOSC 3001/3002/3003 is NOT required. The student may substitute any other Political Science course numbered 3000 or above.

Select one of the following courses:

- SOSC 3001 - Methods in Social Science (3 Credit Hours)
- SOSC 3002 - Quantitative Analysis in Social Sciences (3 Credit Hours)
- SOSC 3003 - Qualitative Analysis in Social Sciences (3 Credit Hours)

Upper-Division Courses: 12 Hours

In consultation with an advisor, select four courses from the following:

- EURO 3XXX - European Union Studies Elective (3 Credit Hours)
- EURO 4XXX - European Union Studies Elective (3 Credit Hours)
- POLS 3XXX - Political Science Elective (3 Credit Hours)
- POLS 4XXX - Political Science Elective (3 Credit Hours)

Minor Total: 15 Hours

Minor in Psychology

Program Overview

Psychology is the science of human behavior and mental processes. The minor in Psychology provides students with a background in scientific methods used to describe, predict, understand, and explain human behavior.

augusta.edu/pamplin/psychology

Progression and Graduation Requirements

- A grade of C or better is required for all work in the minor
- Courses taken to satisfy Core IMPACTS requirements may not be counted as coursework in the minor

Prerequisite Courses

Prerequisite courses do not count toward the minor, but they are required to be taken in order to enroll in courses that are included in the minor.

PSYC 1101 - Introduction to General Psychology (3 Credit Hours)

Minor Requirements

Select from the following with approval of an advisor:

- PSYC 3XXX (3 Credit Hours)
- PSYC 4XXX (3 Credit Hours)

Note: The best combination of courses to take for the psychology minor varies depending upon one's career expectations. Always consult with an academic advisor and consider taking Psychological Careers (PSYC 3190), in which course selection issues are thoroughly examined.

Restrictions: Please note that PSYC 4000-level courses may not be taken unless PSYC 3121 has been completed with an earned grade of C or better. Additionally, no more than 3 credit hours to be counted in the minor may come from independent study (PSYC 4950), internship (PSYC 4960), and/or research (PSYC 4990). This policy does not apply to nonrepetitive special topics courses which might carry a PSYC 3950 or PSYC 4950 designation. Depending upon major requirements, students may be able to take additional psychology courses as electives.

Minor Total: 15 Hours

Minor in Sociology

Program Overview

Sociology is a great minor for any major! People with careers in health, non-profit, politics, business and more find sociology helps them understand how their work world is structured and how it functions. Sociology also helps all of us develop analytical abilities that are useful throughout life.

augusta.edu/pamplin/social-sciences/minors

Program Contact

Dr. William Hatcher
706-737-1710
soscsoci@augusta.edu

Progression and Graduation Requirements

- A grade of C or better is required for all work in the minor and prerequisites
- Courses taken to satisfy Core IMPACTS requirements may not be counted as coursework in the minor
- Prerequisite to the Minor: SOCI 1101

Minor Requirements

Upper-Division Courses: 15 Hours

In consultation with a sociology advisor, select five 3000/4000 courses from the specific courses used to satisfy the Sociology major.

Minor Total: 15 Hours

Minor in Spanish

Program Overview

The Spanish minor is designed for students interested in the Spanish language and Hispanic cultures. Students will develop reading, writing, speaking, and listening skills in Spanish and be prepared to use the Spanish language in their field of interest upon graduation.

augusta.edu/pamplin/english-world-languages/worldlanguages

Progression and Graduation Requirements

- A grade of C or better is required for all work in the minor

- Courses taken to satisfy Core IMPACTS requirements may not be counted as coursework in the minor
- For information on foreign language credit by examination through CLEP, the International Baccalaureate Program or the Defense Language Institute, visit the Office of Admissions website.

Minor Requirements

Required Courses: 6 Hours

SPAN 2001 - Intermediate Spanish I (3 Credit Hours)

SPAN 2002 - Intermediate Spanish II (3 Credit Hours)

Upper-Division Courses: 12 Hours

Complete 12 Hours of Spanish courses at the 3000/4000 level, including at least one of the following courses.*

SPAN 3100 - Conversational Spanish (3 Credit Hours)

SPAN 3150 - Spanish for Heritage Speakers (3 Credit Hours)

SPAN 3211 - Spanish-American Civilizations I (Pre-Columbian - 1821) (3 Credit Hours)

SPAN 3212 - Spanish-American Civilizations II (1821 - Present) (3 Credit Hours)

SPAN 3220 - The Culture and Civilization of Spain (3 Credit Hours)

SPAN 3300 - Spanish Composition (3 Credit Hours)

SPAN 3510 - Introduction to Literature (3 Credit Hours)

**Note: SPAN 4801 and SPAN 4802 cannot be used for the Spanish minor.*

Minor Total: 18 Hours

Minor in Women's and Gender Studies

Program Overview

The interdisciplinary Women's and Gender Studies Minor is designed for students who wish to study how gender, as it intersects with other identities, influences everyday life; special consideration is given to the study of women's perspectives.

augusta.edu/pamplin/womens-gender-studies

Progression and Graduation Requirements

- Fifteen hours of course work is required, with at least nine hours of upper-division credit. Students should register for cross-listed courses under the WGST course heading.
- A grade of C or better is required for all work in the minor
- Courses taken to satisfy Core IMPACTS requirements may not be counted as coursework in the minor
- Before graduation, a student minoring in women's and gender studies will submit a portfolio for review to the Women's and Gender Studies Program Committee. The portfolio must contain work from three different disciplines and a reflective essay that reflects the student's mastery of women's and gender studies learning outcomes; it may also contain a project undertaken outside of a women's and gender studies class. The student will also participate in an exit interview.

Minor Requirements

Introductory Course: 3 Hours

WGST 1101 - Introduction to Women's and Gender Studies (3 Credit Hours)

Upper-Division Courses: 9 to 12 Hours

Select 9-12 hours from the following courses, with courses from at least three different departments.

History, Anthropology, and Philosophy

WGST 3870 - Identity: Ethnicity, Gender, and Class (3 Credit Hours) *(cross-listed with ANTH 3870)*

WGST 4011 - History of Women (3 Credit Hours) *(cross-listed with HIST 4011)*

WGST 4021 - Gender and Family History (3 Credit Hours) *(cross-listed with HIST 4021)*

English and World Languages

WGST 3310 - Women's Literature (3 Credit Hours) *(cross-listed with ENGL 3310)*

WGST 4310 - Studies in Feminism (3 Credit Hours) *(cross-listed with ENGL 4310)*

Communication

WGST 4120 - Gender and Communication (3 Credit Hours) *(cross-listed with COMM 4120)*

Social Sciences

WGST 3336 - Women, Crime, and the Criminal Justice System (3 Credit Hours) *(cross-listed with SOCI 3336 and CRJU 3336)*

WGST 4336 - Gender and Victimization (3 Credit Hours) *(cross-listed with SOCI 4336 and CRJU 4336)*

WGST 4442 - Gender and Society (3 Credit Hours) *(cross-listed with SOCI 4442)*

Approved WGST Courses: 0 to 3 Hours

Students may select up to 3 hours of other appropriate WGST courses to fulfill requirements for the minor. These may include:

WGST 4950 - Selected Topics (3 Credit Hours)

WGST 4960 - Undergraduate Internship (1 to 3 Credit Hours)

WGST 4961 - Feminist Media Production Internship (1 to 3 Credit Hours)

WGST 4990 - Undergraduate Research (3 Credit Hours)

Other Approved Courses: 0 to 3 Hours

Students may select up to 3 hours of other appropriate courses, provided they are approved by the Women's and Gender Studies Program Committee (WGPC).

Minor Total: 15 Hours

Undergraduate Certificates

Certificate: Less than One Year

Certificate of Less than One Year in Cultural Diversity in Healthcare

Program Overview

Students who aspire to careers in medicine, dentistry, nursing, allied health, and social work as well as public administration or business, can complete this specialized training certificate in the first two years of their degree program prior to applying for internships, shadowing opportunities or focused programs, as well as before sitting entrance exams. Our students and certificate graduates can feel confident in their

diversity knowledge and skills and will be better prepared to effectively and empathetically interact with others in the healthcare arena. This is an embedded and standalone certificate.

augusta.edu/pamplin/social-sciences/certificates

Program Contact

William Hatcher, PhD
706-737-1735
socsci@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Program Information

Program Length: 1 Year
CIP Code: 51.1199
Program Code: 1CER0-CDHC

Certificate Requirements

Required Course: 3 Hours

POLS 2401 - Introduction to Global Issues (3 Credit Hours)

Electives I: 6 Hours

Select two of the following:

ANTH 1102 - Introductory Anthropology (3 Credit Hours)
PSYC 1101 - Introduction to General Psychology (3 Credit Hours)
SABR 2930 - Studies Abroad (1 to 4 Credit Hours)
SOC1 1101 - Introduction to Sociology (3 Credit Hours)

Electives II: 3 Hours

Select one of the following:

SOCI 3317 - Sociology of Health and Illness (3 Credit Hours)
SOCI 4317 - Sociology of Health Care (3 Credit Hours)

Certificate Total: 12 Hours

Certificate of Less than One Year in Cyber Defender

Program Overview

The field of cybersecurity is one of increasing importance to governments and enterprises around the world. Demand for individuals with expertise in this area will continue to grow as society's dependence on information systems grows and society's enemies become ever more adept at bypassing information security measures. The cyber defender certificate program offers course work that prepares an individual for advancement in the field of cybersecurity. This is a standalone certificate.

augusta.edu/ccs/certificates.php#cdc

Program Contact

Dr. Michael Nowatkowski
706-721-0549
ccs@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- The Cyber Defender Certificate can be completed in one academic year.
- A grade of C or better is required in all courses.

Program Information

Program Length: 1 Year

CIP Code: 11.1003

Program Code: 1CER0-CYDF

Major Code: CYDF

Certificate Requirements

Required Courses: 13 Hours

AIST 2120 - Intermediate Scripting and Automation (3 Credit Hours)

CSCI 1301 - Principles of Computer Programming I (4 Credit Hours)

CSCI 2700 - Ethics in Computer Science (2 Credit Hours)

CYBR 2600 - Introduction to Networking and Cyber Security (4 Credit Hours)

Electives: 6 Hours

Select two of the following:

AIST 3320 - TCP/IP Protocol Analysis (3 Credit Hours)

AIST 3720 - Operating System Concepts and Administration (3 Credit Hours)

CYBR 3100 - Introduction to Defensive Cyber Operations (3 Credit Hours)

CYBR 3200 - Cyber Network Defense and Counter Measures (3 Credit Hours)

CYBR 4400 - Digital Forensics (3 Credit Hours)

Certificate Total: 19 Hours

Certificate of Less than One Year in European Union Studies

Program Overview

This is a five-course certificate program that is a collaborative effort among this university, the University System of Georgia, and the University of Munich, Germany. This program is open to all academic majors. A certificate in EU Studies must be taken in tandem with a formal degree program. Students from all academic majors are eligible to participate so long as they possess a minimum 2.75 cumulative grade point average (GPA). A student may formally apply to enroll in the program after successful completion of the prerequisites.

augusta.edu/pamplin/social-sciences/certificates

Program Contact

William Hatcher, PhD

706-737-1710

socsci@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Program Information

Program Length: 1 Year

CIP Code: 05.0106

Program Code: 1CER0-EUST

Certificate Requirements: 15 Hours

Prerequisites:

EURO 3234 - Introduction to the EU (3 Credit Hours)

or POLS 3100 - Introduction to the European Union (3 Credit Hours) (*Grade of C or better*)

30 semester hours of academic credit and 2.75 GPA

A course in World History, Western Civilization, or Global Issues

European Union Studies Courses: 12 Hours

Select from the following:

EURO 4090 - Selected Topics in EU Studies (3 Credit Hours)

EURO 4130 - European Union Studies (3 Credit Hours)

EURO 4160 - Federalism and Multilevel Governance in the EU (3 Credit Hours)

EURO 4230 - Doing Business in the EU (3 Credit Hours)

EURO 4260 - European Monetary Union (3 Credit Hours)

EURO 4330 - European Union Science and Technology Policy (3 Credit Hours)

EURO 4430 - EU Environmental Policy (3 Credit Hours)

EURO 4530 - European Social Policy (3 Credit Hours)

EURO 4630 - Communications and Media (3 Credit Hours)

EURO 4730 - EU Foreign Policy (3 Credit Hours)

EURO 4760 - United States - European Union Relations (3 Credit Hours)

Capstone Course: 3 Hours

EURO 4830 - EU Studies Capstone Course (3 Credit Hours)

Certificate Total: 15 Hours

Certificate of Less than One Year in Filmmaking

Program Overview

The Department of Art and Design's Certificate in Filmmaking provides a focused sequence of courses that guides students through the art and craft of filmmaking. Taught by a faculty of experienced and award-winning professionals, the Certificate in Filmmaking provides a strong foundation in screenwriting, cinematography, and editing. The sequence culminates with an applied capstone in which students create a substantive documentary or narrative film. This is an embedded certificate.

augusta.edu/pamplin/art

Program Contact

Scott Thorp

706-667-4888

AUART@augusta.edu

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Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Program Information

Program Length: 1 Year

CIP Code: 50.0602

Program Code: 1CER0

Certificate Requirements: 18 Hours

Required Courses: 12 Hours

COMM 3320 - Digital Editing (3 Credit Hours)

FITH 2001 - The Art of Film (3 Credit Hours)

FITH 3011 - Screenwriting (3 Credit Hours)

FITH 3030 - Cinematography (3 Credit Hours)

Elective: 3 Hours

Select one of the following:

Any FITH course 3000 level or higher (except those counted elsewhere toward this certificate)

ANTH 2011 - Cultural Anthropology (3 Credit Hours)

ART 3600 - Animation History and Fundamentals (3 Credit Hours)

COMM 4010 - Preparing and Producing Visual Media (3 Credit Hours)

ENGL 3620 - Writing for the Theatre (3 Credit Hours)

ENGL 3640 - Writing Short Fiction (3 Credit Hours)

ENGL 3660 - Introduction to Creative Nonfiction (3 Credit Hours)

ENGL 4660 - Advanced Creative Nonfiction (3 Credit Hours)

FITH 2000 - Approaches to Acting (3 Credit Hours)

FITH 2010 - Performance Composition (3 Credit Hours)

FITH 3000 - Voice and Movement (3 Credit Hours)

FITH 3010 - Writing for the Stage (3 Credit Hours)

FITH 3020 - Directing for the Stage (3 Credit Hours)

MUSI 2350 - The World of Film Music (3 Credit Hours)

Culminating Experience: 3 Hours

FITH 4000 - Theory and Practice (3 Credit Hours)

Certificate Total: 18 Hours

Certificate of Less than One Year in Health Humanities

Program Overview

This undergraduate certificate is open to any undergraduate student interested in examining medicine, health, and wellness from a humanities perspective. It develops writing and research skills while training students in bioethics and cultural competency through courses that emphasize critical thinking about health, medicine, and wellness. It will be of value in particular to students interested in health policy, bioethics, medical administration, art therapy, and pastoral care. This is an embedded certificate.

augusta.edu/pamplin/hist-anth-phil

Program Contact

Wendy Turner

706-737-1709

hap@augusta.edu

Admissions Information

For more information, see the Office of Admissions website.

Program Information

Program Length: 1 Year

CIP Code: 51.3201

Program Code: 1CER0-HHUM

Certificate Requirements

Required Courses: 3 Hours

PHIL 3004 - Bioethics (3 Credit Hours)

Electives: 6 Hours

Select six credit hours from the following:

ANTH 3535 - Medical Anthropology (3 Credit Hours)

ANTH 3851 - Religion, Culture, and Society (3 Credit Hours)

ANTH 3870 - Identity: Ethnicity, Gender, and Class (3 Credit Hours)

or WGST 3870 - Identity: Ethnicity, Gender, and Class (3 Credit Hours)

COMM 3500 - Intercultural Communication (3 Credit Hours)

COMM 3650 - Health Communication (3 Credit Hours)

COMM 4120 - Gender and Communication (3 Credit Hours)

or WGST 4120 - Gender and Communication (3 Credit Hours)

CRJU 4336 - Gender and Victimization (3 Credit Hours)

FREN 3620 - French for Health and Medical Professions (3 Credit Hours)

HIST 3600 - Premodern Health and Medicine (3 Credit Hours)

HIST 3610 - History of Modern Health and Medicine (3 Credit Hours)

HIST 4021 - History of Gender and Sexuality (3 Credit Hours)

or WGST 4021 - Gender and Family History (3 Credit Hours)

HIST 4111 - History of World Religions (3 Credit Hours)

HIST 4710 - Premodern Science, Religion, and Magic (3 Credit Hours)

PHIL 3002 - Ethical Theory (3 Credit Hours)

PHIL 3003 - Contemporary Ethical Issues (3 Credit Hours)

PHIL 3005 - Philosophy of the Human Person (3 Credit Hours)

PSYC 3188 - Human Sexuality (3 Credit Hours)

PSYC 3190 - Ethical and Professional Foundations (3 Credit Hours)

SOCI 3317 - Sociology of Health and Illness (3 Credit Hours)

SOCI 3375 - Sociology of Death, Grief and Caring (3 Credit Hours)

or SOWK 3375 - Sociology of Death, Grief, and Caring (3 Credit Hours)

SOCI 4336 - Gender and Victimization (3 Credit Hours)

SOCI 4442 - Gender and Society (3 Credit Hours) or WGST 4442 - Gender and Society (3 Credit Hours)

SPAN 3620 - Spanish for the Medical Professions (3 Credit Hours)

Research: 3 Hours

PHIL/HIST/others 4990 - Undergraduate Research in Health Humanities (3 Credit Hours)

Certificate Total: 12 Hours

Certificate of Less than One Year in Hospitality Administration

Program Overview

The Certificate in Hospitality Administration provides students with the opportunity to gain foundational knowledge specific to the hospitality industry through required courses, then apply that knowledge through opportunities such as study abroad, internships, and upper-division courses tailored toward more specific topics. This is an embedded certificate.

augusta.edu/hull/programs

Program Contact

James Mayes

706-737-1560

CAPCenter@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Information

A grade of C or better required in all required courses.

Program Information

Program Length: 1 Year

CIP Code: 52.0901

Program Code: 1CER0-HSAD

Major Code: HSAD

Certificate Requirements

A grade of C or better required in all courses listed below.

Required Courses: 12 Hours

MKTG 3700 - Principles of Marketing (3 Credit Hours)

MKTG 3740 - Introduction to Hospitality (3 Credit Hours)

MKTG 3750 - Event Planning and Production (3 Credit Hours)

MKTG 4720 - Services Marketing (3 Credit Hours)

Electives: 3 Hours

Select one of the following:

BUSA 4960 - Undergraduate Internship (3 Credit Hours)

MKTG 4760 - Resort & Facility Strategies (3 Credit Hours)

MKTG 4950 - Selected Topics (3 Credit Hours)

Other courses as approved

Certificate Total: 15 Hours

Certificate of Less than One Year in Leadership

Program Overview

Leadership, one of the university's core values, is an important skill for students to develop during the undergraduate education regardless of discipline. The Certificate of Leadership at Augusta University

exposes students to leadership theory and practice, guides students in leadership development and offers students opportunities to gain significant leadership experiences on campus and in the community. Throughout this certificate, students develop leadership competencies in Communication, Problem Solving & Decision Making, Inclusivity, Professionalism, and Teamwork.

The Certificate is housed in the Office of First and Second Year Experiences located in University Hall 331; our staff can be reached at 706-667-4412.

Program Contact

Dr. Elizabeth Huggins, Director, First and Second Year Experiences
706-667-4412

COL@augusta.edu

Admissions Information

Undergraduate students in any program of study may declare the intention to pursue the Certificate of Leadership. Students may seek entry into the Certificate of Leadership by speaking with an academic advisor. Interested students should complete the Declaration of Major, Minor, or Certificate Form and submit this form to COL@augusta.edu.

Although the full certificate requirements may be completed in less than one year, it is ideal that students enroll in INQR 1000 in the Freshman year and LDRS 2000 during the second semester of the freshman year or during the sophomore year.

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- Students wishing to earn the Certificate of Leadership will complete 9-12 hours of approved coursework with a C or better
- Students must complete COMM 1110 or ENGL 1101 with a grade of C or better prior to or concurrently with LDRS 2000

Program Information

Program Length: 1 Year

CIP Code: 13.1401

Program Code: 1CER0-LEDR

Certificate Requirements

INQR 1000 - Fundamentals of Academic Inquiry (1 Credit Hour)

LDRS 2000 - Introduction to Leadership and Professionalism (3 Credit Hours)

LDRS 3000 - Experience in Leadership (0 to 3 Credit Hours)

or LDRS 4960 - Undergraduate Internship in Leadership (0 to 3 Credit Hours) *(3 to 6 credit hours total)*

LDRS 4999 - Leadership Capstone (0 to 3 Credit Hours) *(2 Credit Hours total)*

Certificate Total: 9-12 Hours

Certificate of Less Than One Year in Legal Studies

Program Overview

The Certificate in Legal Studies provides students with foundational knowledge about the law and the legal profession and helps them develop the academic and professional skills related to the practice of

law, including the ability to think logically, read critically, and write clearly and persuasively. This is an embedded certificate. Students can work with their advisor to complete the certificate completely online.

augusta.edu/pamplin/social-sciences/certificates

Program Contact

William Hatcher, PhD
706-737-1710
socsci@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Program Information

Program Length: 1 Year
CIP Code: 22.0001
Program Code: 1CER0-LGST

Certificate Requirements

Required Courses: 12 Hours

PHIL 2020 - Introduction to Critical Thinking (3 Credit Hours)
or PHIL 2030 - Introduction to Ethics (3 Credit Hours)
or CRJU 1103 - Introduction to Criminal Justice (3 Credit Hours)
or POLS 2000 - Society, Law, and the Criminal (3 Credit Hours)
POLS 3301 - Judicial Process (3 Credit Hours)
POLS 4501 - Constitutional Law: Distribution of Power (3 Credit Hours)
POLS 4601 - Constitutional Law: Civil Liberties (3 Credit Hours)

Electives: 6 Hours

Select six credit hours from the following:

COMM 3010 - Advanced Public Speaking (3 Credit Hours)
COMM 3100 - Communications for Professionals (3 Credit Hours)
COMM 4000 - Communication Law and Ethics (3 Credit Hours)
CRJU 1103 - Introduction to Criminal Justice (3 Credit Hours)
CRJU 3305 - Criminal Evidence (3 Credit Hours)
CRJU 3336 - Women, Crime and the Criminal Justice System (3 Credit Hours)
or SOCI 3336 - Women, Crime and the Criminal Justice System (3 Credit Hours)
CRJU 4162 - Race, Crime, and Justice (3 Credit Hours)
ENGL 3681 - Advanced Style and Editing (3 Credit Hours)
EURO 4130 - European Union Studies (3 Credit Hours)
PHIL 2020 - Introduction to Critical Thinking (3 Credit Hours)
PHIL 2030 - Introduction to Ethics (3 Credit Hours)
POLS 4950 - Political Science Selected Topics (0 to 3 Credit Hours) *(if approved by chair/director)*
POLS 4990 - Undergraduate Research (3 Credit Hours) *(if approved by chair/director)*
SOSC 4960 - Social Science Undergraduate Internship (0 to 12 Credit Hours)

Certificate Total: 18 Hours

Certificate of Less than One Year in Linguistics

Program Overview

The Certificate in Linguistics serves students who desire to undertake a scientific study of language as a communication system. While linguistics is not a study of multiple languages, this certificate program is suitable for students who study one or more languages in addition to English, and it is especially well suited for students who transfer into the institution with significant numbers of credits in a foreign language other than those currently offered at Augusta University. The certificate program will prepare students for further study or careers in interpretation, translation, speech/audio pathology, business, or further study in multiple areas of linguistics. Knowledge attained in the courses that comprise the Linguistics Certificate complements majors in foreign languages, English, international studies, anthropology, or computer science. This is an embedded or standalone certificate.

augusta.edu/pamplin/english-world-languages/certificates

Program Contacts

Christopher Botero, PhD and Jun Zhao, PhD
706-737-1500
ewl@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Program Information

Program Length: 1 Year
CIP Code: 16.0102
Program Code: 1CER0-LING

Certificate Requirements

Required Courses: 12 Hours

Foreign Language Sequence (3 hours)
Foreign Language Sequence (3 hours)
3000 - 4000 level Foreign Language course (3 hours)
ENGL 4711 - Introduction to Linguistics (3 Credit Hours)
or LING 4711 - Introduction to Linguistics (3 Credit Hours)

Elective I: 3 Hours

Select one of the following:

ENGL 4712 - Modern Grammatical Systems (3 Credit Hours)
or LING 4712 - Modern Grammatical Systems (3 Credit Hours)
FREN 3400 - French Phonetics (3 Credit Hours)
LING 4410 - Phonetics and Phonology (3 Credit Hours)
SPAN 4410 - The Sound System of Spanish (3 Credit Hours)

Elective II: 3 Hours

Select one of the following:

ENGL 4712 - Modern Grammatical Systems (3 Credit Hours)
or LING 4712 - Modern Grammatical Systems (3 Credit Hours)
FREN 3400 - French Phonetics (3 Credit Hours)
LING 4410 - Phonetics and Phonology (3 Credit Hours)
LING 4500 - Second Language Acquisition (3 Credit Hours)
LING 4600 - Translation Theory and Method (3 Credit Hours)

SPAN 4410 - The Sound System of Spanish (3 Credit Hours)
SPAN 4420 - Applied Linguistics (3 Credit Hours)
SPAN 4600 - Translation Theory and Methodology (3 Credit Hours)

Certificate Total: 18 Hours

Certificate of Less than One Year in Media Production

Program Overview

Offering a certificate in media production will give our students the opportunity to specialize in a communication area that is attractive to our students and in which there are jobs available in the Augusta job market. Here jobs are most abundant in television, radio, news media, and magazines; thus, this certificate will give students fifteen hours of concentration in these production-oriented fields. This is a standalone certificate.

augusta.edu/pamplin/communication

Program Contact

David W. Bulla
706-729-2417
communication@augusta.edu

Admissions Information

For more information, please visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

A grade of C or better is required in all courses.

Program Information

Program Length: 1 Year
CIP Code: 09.0702
Program Code: 1CER0-MPRD

Certificate Requirements

Concentration Courses: 9 Hours

COMM 2010 - Media Literacy (3 Credit Hours)
COMM 3030 - Audiovisual Media Production (3 Credit Hours)
COMM 4000 - Communication Law and Ethics (3 Credit Hours)

Electives: 6 Hours

Select two of the following:

AIST 2220 - Introduction to Web Development (3 Credit Hours)
COMM 3020 - Writing for Multimedia Platforms (3 Credit Hours)
COMM 3120 - Television Production (3 Credit Hours)
COMM 3320 - Digital Editing (3 Credit Hours)
COMM 4300 - Visual Storytelling (3 Credit Hours)
COMM 4400 - Media Editing and Production (3 Credit Hours)
ENGL 3660 - Introduction to Creative Nonfiction (3 Credit Hours)

Certificate Total: 15 Hours

Certificate of Less than One Year in Museum Studies

Program Overview

The Certificate in Museum Studies introduces students to the range of careers in museums, to the history and evolution of museums over time, and to current theories and debates in the museum profession. In classwork and in applied experiences, students gain an understanding of the collection and care of objects; the creation, interpretation, and evaluation of exhibits; and the future of museums. This is an embedded and standalone certificate.

augusta.edu/pamplin/museum-studies

Program Contact

Stacey Thompson
706-737-1709
hap@augusta.edu

Admissions Information

For additional information, please contact the Office of Admissions.

Program Information

Program Length: 1 Year
CIP Code: 30.1401
Program Code: 1CER0-MSTU

Certificate Requirements

Required Courses: 9 Hours

Core Courses: 6 Hours

MUSM 3950 - Introduction to Museum Studies (3 Credit Hours)
MUSM 3960 - Museum Management and Leadership (3 Credit Hours)

Internship: 3 Hours

Select one of the following:

ANTH 4960 - Internship (1 to 3 Credit Hours)
ART 4961 - Undergraduate Internship: Art Museum Studies I (3 Credit Hours)
ART 4962 - Undergraduate Internship: Art Museum Studies II (3 Credit Hours)
HIST 4960 - Undergraduate Internship (1 to 12 Credit Hours)
MUSM 4960 - Internship (1 to 3 Credit Hours)

Electives: 9-10 Hours

Elective Courses I: 6 Hours

Select 6 credit hours from the following. Note that some courses have program restrictions or prerequisites.

ANTH 3831 - Archaeology (3 Credit Hours)
ANTH 4210 - Historical Archaeology (3 Credit Hours)
or ANTH 4230 - Archaeology of Death (3 Credit Hours)
COMM 3220 - Public Relations Writing (3 Credit Hours)
COMM 3300 - Introduction to Visual Communication (3 Credit Hours)
ENGL 3650 - Grant Writing (3 Credit Hours)
ENGL 3682 - Writing in the Community (3 Credit Hours)
HIST 3060 - Introduction to Public History (3 Credit Hours)
HIST 3491 - Military History of the US (3 Credit Hours)
HIST 4060 - Digital History (3 Credit Hours)
MUSM 4950 - Selected Topics in Museum Studies (1 to 4 Credit Hours)

POLS 4050 - Nonprofit Management (3 Credit Hours)
 POLS 4051 - Financial Management for Nonprofits (3 Credit Hours)

Elective Courses II: 3-4 Hours

Select 3-4 more credit hours from the list below or from the previous list. Please note that some courses have program restrictions or prerequisites.

ANTH 4200 - Anthropology and Popular Culture (3 Credit Hours)
 ANTH 4370 - Forensic Anthropology (3 Credit Hours)
 ART 3550 - Design Thinking: The Power of Creativity and Collaboration (3 Credit Hours)
 ART 3721 - Aesthetics and Philosophy of Art: Deepening the Engagement with Art (3 Credit Hours)
 BIOL 3000 - General Botany (4 Credit Hours)
 BIOL 3050 - Economic Botany (4 Credit Hours)
 BIOL 3100 - Zoology (4 Credit Hours)
 CHEM 3000 - Introduction to Nuclear Science (3 Credit Hours)
 or PHYS 3000 - Introduction to Nuclear Science (3 Credit Hours)
 COMM 3020 - Writing for Multimedia Platforms (3 Credit Hours)
 COMM 3100 - Communications for Professionals (3 Credit Hours)
 COMM 4300 - Visual Storytelling (3 Credit Hours)
 ENGL 3687 - User Research and Design (3 Credit Hours)
 ENGL 4020 - History of the Book (3 Credit Hours)

Certificate Total: 18-19 Hours

Certificate of Less than One Year in Music Industry Studies

Program Overview

Music industry courses from Augusta University are excellent for any student who wishes to pursue a career in the music industry. Music industry students develop the knowledge and skills as professionals who will enter the over \$50 billion music industry. The diverse course selection includes career development, music publishing and licensing, arts management, concert promotion and music marketing. These courses emphasize music business and are intended for majors in any degree program who want to succeed in the modern music industry. Successful completion of courses culminates with an internship placement.

Program Contact

Professor April Brumfield
 706-737-1453
abrumfield@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

This certificate is not required for graduation in any degree program. In order to complete the certificate, students must complete MUSI 2600 with a grade of C or better before enrolling in the remaining 5 courses. All of the other courses may be taken in any order after the completion of MUSI 2600.

Program Information

Program Length: 1 Year
 CIP Code: 50.1003

Program Code: 1CER0-MIDS

Certificate Requirements

Required Courses: 18 Hours

MUSI 2600 - Introduction to Music Industry (3 Credit Hours)
MUSI 2650 - Career and Job Success in the Music Industry (3 Credit Hours)
MUSI 3640 - Artist Management and Concert Touring (3 Credit Hours)
MUSI 3650 - Music Events and Promotion (3 Credit Hours)
MUSI 4600 - Music Publishing and Licensing (3 Credit Hours)
MUSI 4910 - Music Industry Internship (1 to 3 Credit Hours)

Certificate Total: 18 Hours

Certificate of Less than One Year in National Security Studies

Program Overview

This standalone Certificate of Less than One Year in National Security Studies offers Augusta University students additional credentialing in security studies, cybersecurity policy, terrorism studies, and international relations.

Program Contact

William Hatcher
706-737-1710
socsci@augusta.edu

Admissions Information

For additional information, please contact the Office of Admissions.

Program Information

Program Length: 1 Year
CIP Code: 45.0902
Program Code: 1CER0-NSES

Certificate Requirements

Required Courses: 6 Hours

POLS 3801 - International Relations (3 Credit Hours)
POLS 4911 - Introduction to Security Studies (3 Credit Hours)

Electives: 6 Hours

Select two of the following:

CRJU 3325 - Homeland Security and Counterterrorism (3 Credit Hours)
CRJU 3540 - Cyber Crime (3 Credit Hours)
POLS 4906 - International Terrorism (3 Credit Hours)
POLS 4912 - Counterterrorism (3 Credit Hours)
POLS 4913 - The Politics of Islam (3 Credit Hours)
POLS 4914 - Introduction to Middle Eastern Security Studies (3 Credit Hours)
POLS 4915 - The Economics of Security (3 Credit Hours)
POLS 4920 - Cyber Intelligence and Policy (3 Credit Hours)
POLS 4921 - Advanced Strategic Cyber Security (3 Credit Hours)
POLS 4922 - Cyber Conflict: History and Theory of Cyber War (3 Credit Hours)

Certificate Total: 12 Hours

Certificate of Less than One Year in Public Health Innovation and Small Business Management

Program Overview

The Health Innovation and Small Business Management certificate has the goal to provide undergraduate students at AU with an overview of public health and the potential for innovation in this sector while focusing on how creative idea can grow in successful small business. This is an embedded certificate.

augusta.edu/sph

Program Contact

Vahe Heboyen, PhD
706-721-6962

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Program Information

Program Length: 1 Year
CIP Code: 51.2201
Program Code: CER0_HSBM
Major Code: HSBM

Certificate Requirements

Required Courses: 9 Hours

ART 3550 - Design Thinking: The Power of Creativity and Collaboration (3 Credit Hours)
BSHS 3200 - Issue and Challenges in Public Health (3 Credit Hours)
BSHS 4100 - Innovation and Technology in Health Care (3 Credit Hours)

Elective: 3 Hours

Select one of the following:

CAHS 4470 - Public Health and Healthcare Small Business Governance and Financial Management (3 Credit Hours)
MGMT 4550 - Entrepreneurship and Small Business Management (3 Credit Hours)
POLS 4051 - Financial Management for Nonprofits (3 Credit Hours)

Certificate Total: 12 Hours

Certificate of Less than One Year in Public Relations

Program Overview

The Certificate in Public Relations is designed to provide students with a foundation of courses that include principles, writing, research, campaigns/case studies, social media, and experiential learning. This certificate is ideal for students who wish to pursue careers in which they will write press releases, manage events and campaigns, manage social media operations, develop internal and external information, manage brands, and develop marketing strategies. The certificate is also open to non-majors and continuing education professionals. This is a standalone certificate.

Program Contact

David W. Bulla
706-729-2417
communication@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

A grade of C or better is required in all courses.

Program Information

Program Length: 1 Year
CIP Code: 09.0900
Program Code: 1CER0-PUBR

Certificate Requirements

COMM 2000 - Writing for Communication Professionals (3 Credit Hours)
COMM 2010 - Media Literacy (3 Credit Hours)
COMM 3220 - Public Relations Writing (3 Credit Hours)
COMM 3600 - Integrated Strategic Communication (3 Credit Hours)
COMM 4320 - Public Relations and Social Media Campaigns (3 Credit Hours)

Certificate Total: 15 Hours

Certificate of Less than One Year in Teach English to Speakers of Other Languages (TESOL)

Program Overview

The Department of English and World Languages offers a certificate to teach English to speakers of other languages (TESOL). The TESOL Certificate is a 15-hour undergraduate certificate. The certificate may be completed by any undergraduate, but it is targeted at English or World Language majors. The goal of this certificate is to enable students to teach English to speakers of other languages abroad or private institutions in the United States by providing essential knowledge and teaching skills to students. It includes courses such as English linguistics, English grammar, culture, and teaching methods. The TESOL Certificate will be awarded at the end of the undergraduate program. It may also be offered to post-baccalaureate students as an add-on certificate. This is an embedded certificate.

augusta.edu/pamplin/english-world-languages/certificates

Program Contact

Jun Zhao
706-737-1500
ewl@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

A grade of C or better is required in all Required Courses.

Program Information

Program Length: 1 Year

CIP Code: 13.1401

Program Code: 1CER0-ESOL

Certificate Requirements

Required Courses: 10 Hours

A grade of C or better is required in all courses.

ENGL 4711 - Introduction to Linguistics (3 Credit Hours)

ENGL 4712 - Modern Grammatical Systems (3 Credit Hours)

Plus one of the following two-course sequences:

ENGL 4801 - Methods and Materials for Teaching English to Speakers of Other Languages I (2 Credit Hours)

and ENGL 4802 - Methods and Materials for Teaching English to Speakers of Other Languages II (2 Credit Hours)

FREN 4801 - Methods and Materials for Teaching World Language I (2 Credit Hours)

and FREN 4802 - Methods and Materials for Teaching World Language II (2 Credit Hours)

SPAN 4801 - Methods and Materials for Teaching World Language I (2 Credit Hours)

and SPAN 4802 - Methods and Materials for Teaching World Language II (2 Credit Hours)

Elective Courses: 5 Hours

Select two of the following:

ENGL 4960 - Undergraduate Internship (1 to 3 Credit Hours)

FREN 3210 - Studies of Culture in French-Speaking World (3 Credit Hours)

FREN 3221 - Studies of Culture in France: Hexagon (3 Credit Hours)

FREN 3400 - French Phonetics (3 Credit Hours)

GRMN 3220 - German Society and Culture (3 Credit Hours)

LING 4500 - Second Language Acquisition (3 Credit Hours)

SPAN 3211 – Spanish American Culture I (3 Credit Hours)

SPAN 3212 – Spanish American Culture II (3 Credit Hours)

SPAN 3220 – Spanish Culture (3 Credit Hours)

SPAN 4410 - The Sound System of Spanish (3 Credit Hours)

SPAN 4420 - Applied Linguistics (3 Credit Hours)

SPAN 4960 - Undergraduate Internship (1 to 3 Credit Hours)

Certificate Total: 15 Hours

Certificate of Less than One Year in Theater Performance

Program Overview

Theater performance prepares students to act on stage and use elements of performance to convey meaning to an audience. As a result, students participate in a range of forums spanning from traditional theatrical performances to spontaneous avant-garde art experiences. Through advanced training and practice in verbal and non-verbal forms of communication, students develop valuable career skills related to public speaking, presentation, writing, and collaboration. This is an embedded certificate.

augusta.edu/pamplin/art

Program Contact

Scott Thorp
706-667-4888
AUART@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Program Information

Program Length: 1 Year
CIP Code: 50.0501
Program Code: 1CER0-THEA

Certificate Requirements

Required Courses: 15 Hours

FITH 2000 - Approaches to Acting (3 Credit Hours)
FITH 2010 - Performance Composition (3 Credit Hours)
FITH 3000 - Voice and Movement (3 Credit Hours)
FITH 3010 - Writing for the Stage (3 Credit Hours)
FITH 4600 - Research in Performance (3 Credit Hours)

Electives: 3 Hours

Select one of the following:

ANTH 2011 - Cultural Anthropology (3 Credit Hours)
COMM 3010 - Advanced Public Speaking (3 Credit Hours)
FITH 2001 - The Art of Film (3 Credit Hours)
FITH 3011 - Screenwriting (3 Credit Hours)
FITH 3030 - Cinematography (3 Credit Hours)
Any FITH 3000 or 4000 level course (3 Credit Hours)

Certificate Total: 18 Hours

Certificate: One-Year

Certificate of One Year in Advanced Cyber Defender Program Overview

The goal of the Advanced Cyber Defender Certificate arms graduates with the specific core skills needed to be successful in entry cybersecurity positions like network defense monitoring, penetration testing, vulnerability analyst, etc. The Advanced Cyber Defender Certificate can be completed in one year after completion of the cyber defender certificate. The Cyber Defender Certificate is a prerequisite to the Advanced Cyber Defender Certificate. This is an embedded certificate.

augusta.edu/ccs/certificates.php#acdc

Program Contact

Dr. Michael Nowatkowski
706-721-0549
ccs@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- The Cyber Defender Certificate is a prerequisite to the Advanced Cyber Defender Certificate.
- A grade of C or better is required in all courses.

Program Information

Program Length: 1 Year

CIP Code: 11.1003

Program Code: 1CER1-ACYD

Major Code: ACYD

Certificate Requirements

Required Courses: 21 Hours

All remaining electives from the Certificate of Less than One Year in Cyber Defender plus the courses listed below:

AIST 3410 - Database Management Systems (3 Credit Hours)

or CSCI 3410 - Database Systems (3 Credit Hours)

AIST 4720 - Enterprise System Architectures (3 Credit Hours)

MATH 1401 - Elementary Statistics (3 Credit Hours)

MINF 2650 - Principles of Data Management and Analysis (3 Credit Hours)

or CSCI 3400 - Data Structures (3 Credit Hours)

Certificate Total: 21 Hours

Other Programs

Honors Program

Program Overview

The Augusta University Honors Program offers motivated students the opportunity to pursue a program of study that leads to recognition as either an Augusta University Honors Program graduate or an Augusta University Honors scholar. The honors program offers sections of core courses specifically designed for able and energetic learners, seminars that cross the boundaries of discipline and/or culture, the faculty and administrative support to produce an honors thesis in the student's academic field and support for the students to present their research at appropriate academic or professional venues. The honors program is not a separate degree program but is designed to augment the coursework required for a degree and to prepare capable students for graduate and professional schools and challenging career paths. In most cases, honors courses can be substituted for required credits.

The Honors Professional (HONP) track provides scholarly engagement for outstanding students who seek to graduate from majors that do not readily allow for a traditional honors thesis project, such as those in the Hull College of Business or the School of Computer and Cyber Sciences, or 2 + 2 programs such as Nursing, Clinical Laboratory Sciences, Dental Hygiene, Nuclear Medicine Technology and Respiratory Therapy. The goals of the HONP track are to promote students' intellectual development in

these fields, to stimulate their scholarly creativity and to develop their communication, presentation and problem-solving skills.

augusta.edu/honors

Honors Program Classes

Honors classes differ in kind from other classes. They are usually smaller; they involve more interaction with primary materials; and they encourage both independent work and collaboration among students and between students and professors. Honors classes ask students to explore course work more actively and intensively, but students are not evaluated on a more demanding grading scale than in other courses, nor should they require more work than non-honors sections.

Recognition

The diplomas and transcripts of graduating honors students who complete all program requirements carry the designation of Honors Program Graduate, Honors Scholar, or Honors Professional. Honors Program graduates also receive an honors cord, an honors stole, an honors medallion, and an honors pin to wear at graduation. Honors scholars also receive honors cords and an honors stole to wear at graduation. Students who earn honors professional distinction also receive an honors stole and an honors pin to wear at graduation. All students who complete an honors track will be recognized in the graduation program.

Program Contact

Tim Sadenwasser, Director of Honors Program
706-729-2083
honorsprogram@augusta.edu

Program Affiliation

The honors program is affiliated with the National Collegiate Honors Council, the Southern Regional Honors Council, and the Georgia Collegiate Honors Council, making available to interested students a variety of honors opportunities locally and nationwide.

Admissions Information and Eligibility

Honors Program Graduate Track

Students may seek entry into the honors program by submitting a completed online application to the honors program.

Entering Freshmen are invited to apply to join the Augusta University Honors Program if they:

- Carry a cumulative high school GPA of 3.5 or better

Students Already Enrolled at Augusta University will be eligible to apply for admission to the honors program if they have:

- Completed 12 credit hours of academic work
- An overall GPA of 3.4

Transfer Students will be eligible to apply for admission to the honors program if they bring:

- An unadjusted 3.4 GPA on at least 12 credit hours of coursework from another institution

Once admitted to the honors program, students transferring from another institution's honors program may count honors program hours completed at their previous institution(s) toward completing honors requirements.

To be able to complete program requirements without taking several additional courses, students should seek acceptance into the program and begin taking honors courses early in their careers.

Honors Scholars Track

Students may seek entry into the Honors Scholars track by submitting a completed online application to the honors program.

Entering Freshmen are invited to apply to join the Honors Scholars track if they have:

- Completed 24 or more credit hours of academic work
- Cumulative high school GPA of 3.5 or better and a GPA of at least 3.3 in any college courses

Students Already Enrolled at Augusta University are invited to join the Honors Scholars track if they have:

- Completed between 24 and 45 credit hours of academic work
- Have an overall GPA of 3.4 or better

Transfer Students are eligible to apply for admission to the Honors Scholars Track if they have:

- An unadjusted overall GPA of 3.4 or better on between 24 and 45 semester hours of coursework from another institution

Once admitted to the honors program, students transferring from another institution's honors program may count honors program hours completed at their previous institution(s) toward completing honors requirements.

Honors Professional Track

Admission to the Honors Professional Track is open to students from majors that do not readily allow for a traditional honors thesis project, including 2 + 2 programs such as Nursing, Clinical Laboratory Sciences, Dental Hygiene, Nuclear Medicine Technology, and Respiratory Therapy.

Entering Freshmen who meet the following criteria are eligible for membership in the Honors Professional Track:

- Cumulative high school GPA of 3.5 or better and a GPA of at least 3.3 in any college courses
- Declared major in qualifying college or department

Transfer Students or **Students Already Enrolled** at Augusta University who meet the following criteria are eligible for membership in the Honors Professional Track:

- Overall college GPA of 3.3 or better
- Declared major in qualifying college or department

Progression and Graduation Requirements

Honors Program Graduate Track

To earn recognition as an Honors Program Graduate, a student accepted into the program must complete the requirements below—totaling at least 26 hours—and have an overall GPA of 3.3 or better. Should the GPA drop below the required 3.3, the student will be allowed to continue in the program on probationary status as long as the GPA does not drop below 3.0.

Freshman/Sophomore Requirement: 16 Hours

- 16 hours of honors sections of core courses
- Students may substitute one hour of a departmental undergraduate research course for one hour of honors core coursework.
- Students must earn a grade of “C” or better (or “S” for pass/fail courses) to gain honors credit for core coursework

Junior/Senior Requirement:

- HONR 3900H - Honors: Breaking Boundaries (2 to 3 Credit Hours)
- One upper division honors elective to be selected from the following: (3 semester hours)

- a second section of HONR 3900H - Honors: Breaking Boundaries (2 to 3 Credit Hours),
- a departmental honors course (a departmentally approved independent study or a regular departmental offering with an additional honors component), or
- an approved honors alternative

Honors Thesis Sequence

Usually begun in the junior year and completed by the end of student's final semester:

HONR 3999H - Honors: Thesis Prospectus (1 Credit Hour)

HONR 4000H - Honors Thesis (2 to 3 Credit Hours)

HONR 4500H - Honors Capstone (1 Credit Hour)

Honors Scholars Track

To earn recognition as an Honors Scholar, a student accepted into the program must complete the requirements below—totaling at least 18 hours—and have an overall GPA of 3.3 or better. Should the GPA drop below the required 3.3, the student will be allowed to continue in the program on probationary status as long as the GPA does not drop below 3.0.

Freshman/Sophomore Requirement: 0-6 Hours

- Students may substitute one hour of a departmental undergraduate research course for one hour of honors core coursework.
- 0-6 hours of honors sections of core courses
- Students must earn a grade of “C” or better to gain honor credit for core coursework

Junior/Senior Requirement: 6-12 Hours

- HONR 3900H - Honors: Breaking Boundaries (2 to 3 Credit Hours)
- 1-3 upper division honors electives to be selected from the following (3-9 semester hours):
 - One or more additional section of HONR 3900H - Honors: Breaking Boundaries (2 to 3 Credit Hours)
 - One or more departmental honors option course (a departmentally approved independent study or a regular departmental offering with an additional honors component approved by the honors program)
 - No more than one approved honors alternative

Undergraduate Research Requirement: 0-1 Hour

One hour of a departmental undergraduate research course or one semester of a CURS undergraduate research course.

Honors Thesis Sequence

Usually begun in the sophomore or junior year and completed by the end of student's final semester.

HONR 3999H - Honors: Thesis Prospectus (1 Credit Hour)

HONR 4000H - Honors Thesis (2 to 3 Credit Hours)

HONR 4500H - Honors Capstone (1 Credit Hour)

Honors Professional Track

Students in good standing on the HONP track receive the following benefits:

- Retain priority registration privileges

- Receive upon graduation: Honors Professional track distinction on transcript and diploma, graduation regalia from the honors program, and recognition in the graduation program

To earn distinction as a graduate of the HONP track, a student must be a member in good standing of the Augusta University Honors Program, have an overall GPA of 3.30 or better and complete the requirements below.

Freshman/Sophomore Requirement: minimum 18 Hours

- 18 or more hours with a grade of “C” or better of honors coursework
 - At least 12 of these 18 hours must be from sections of honors sections of core courses or alternatives approved by the honors program
 - At least 3 of these 18 hours must be from HONR 3900H - Honors: Breaking Boundaries courses or alternatives approved by the honors program
 - 3 of these 18 hours may be from either honors sections of core courses, from HONR 3900H - Honors: Breaking Boundaries courses or from alternatives approved by the honors program
- One presentation at Georgia Collegiate Honors Council conference or similar academic or professional presentation venue approved by the honors program

Junior/Senior Requirement:

- At least one presentation of major-related material at an honors, undergraduate research or professional conference approved by the honors program
- Submit the application to graduate from the HONP track to the honors program by midterm of the semester preceding the semester of graduation

Military Science Curriculum

Program Overview

To recruit, educate, train, and commission leaders of character for the total army. To commission Second Lieutenants who demonstrate the potential to be agile, adaptive, and innovative tactical leaders capable of succeeding in complex situations.

augusta.edu/militaryscience

Admissions Information

A student enrolled in basic course classes incurs no obligation to the U.S. Army. Advanced course students are obligated to serve and will receive a subsistence allowance of \$420 per month for up to 20 academic months while in college. Other training opportunities such as Air Assault, Airborne School, Arctic Warfare School, and Cadet Troop Leadership Training (CTLT) in active units are available on a competitive basis with military subsistence and some paid benefits. A student in any major/minor field of study is eligible. During the senior year of study (MS IV), the student is offered the option to select the type of job that they desire to perform, the first permanent duty post, and the type of commission, either Regular Army or Army Reserve, that they prefer. The Army at no charge provides all necessary uniforms to the individual.

Progression and Graduation Requirements

- Academic credit, applicable toward graduation, is granted for all military science coursework.
- Any advanced course credits earned apply within the Minor in General Studies.
- All Military Science courses include a 2-hour lab instruction and 3 hours of physical training weekly.
- The principal element of the Professional Military Education (PME) requirement is the bachelor's degree. As an integral part of that undergraduate education, prospective officers are required to take

at least one course in military history and consult the Department Chair of Military Science for approved courses.

Program Requirements

Basic Courses, Freshman Year (MS I)

MILS 1011 - Foundations of Officership (3 Credit Hours)

MILS 1021 - Basic Leadership (3 Credit Hours)

Basic Courses, Sophomore Year (MS II)

MILS 2011 - Individual Leadership Studies (3 Credit Hours)

MILS 2021 - Leadership and Teamwork (3 Credit Hours)

Leader's Training Course:

The Leader's Training Course is a 28-day "World-Class" leadership development experience qualifying and motivating college students to enter into the senior Army ROTC program. A student who did not participate in the basic program who has no more than two years remaining before graduation may qualify for the advanced program through the summer course given at Fort Knox, KY each year. Graduate students are eligible for this program as well; those attending receive approximately \$800 with all meals, lodging, and transportation while attending the summer internship. This program enables the student to determine if he or she desires a career in the military and qualifies the student for the advanced course if he or she chooses. No obligation is incurred by attending Leader's Training Course, (MILS 3060 - Leadership Training Course Summer Internship (3 Credit Hours).) Successful completion of this course can qualify the student for a two-year scholarship for the remaining two years.

Compression:

While the normal sequence of course work requires two full academic years, it is possible to compress the course work into less than two years by taking two Military Science courses during the same semester. Compression is not recommended or desired but will be considered on an individual basis by the Department Chair.

Exemption:

Credit for all or part of the basic course may be granted upon presentation of evidence that the student has had equivalent training. Examples of such training are active military service, Senior Division Navy or Air Force ROTC credit, or 3 years Junior ROTC credit. In every case, the credit exemption must be approved by the Department Chair. No academic credit is given for courses exempted under this program.

Eligibility Requirements for Advanced Course:

GPA of 2.00 or higher; completion or credit for completion of the basic course; meeting Army physical requirements; have no more than two years remaining until graduation; permission of the Department Chair.

Advanced Courses, Junior Year (MS III)

MILS 3011 - Leadership and Problem Solving (3 Credit Hours)

MILS 3021 - Leadership and Ethics (3 Credit Hours)

MILS 3060 - Leadership Training Course Summer Internship (3 Credit Hours)

Advanced Courses, Senior Year (MS IV)

MILS 4011 - Leadership Management (3 Credit Hours)

MILS 4021 - Officership (3 Credit Hours)

MILS 4060 - Leadership Development and Assessment (3 Credit Hours)

MILS 4950 - Selected Topics (3 Credit Hours)

Leadership Development and Assessment Course:

A five-week summer course conducted at Fort Knox, KY. Only open to (and required of) students who have completed MILS 3011 and MILS 3021. Students will also receive half the base pay of a Sergeant for 5 weeks (approximately \$800). Travel, lodging and meal costs are defrayed by the U.S. Army. The Leadership Development and Assessment Course environment is highly structured, demanding, and stresses leadership at small unit levels under varying, challenging conditions. Prior to attending this course students must demonstrate and be able to pass a swim test. This swim test consists of a 10-minute swim using any combination of strokes and 5 minutes of treading water.

Professional Military Education Requirements

The principal element of the Professional Military Education (PME) requirement is the bachelor's degree. As an integral part of that undergraduate education, prospective officers are required to take at least one course in Military History and consult the department chair of Military Science for approved courses.

Pre-Engineering and Regents Engineering Pathways Curriculum

Program Overview

Augusta University participates in the University System of Georgia Engineering Pathways program enabling our students to smoothly transfer to the engineering program in the state or complete a dual degree in physics and engineering. The Department of Chemistry and Biochemistry, Department of Mathematics, and Department of Physics and Biophysics offer many of the courses required of freshmen and sophomores to prepare students for transfer to engineering programs.

Because of the curriculum overlap with the physics programs, students generally declare a physics major with a pre-engineering concentration while completing prerequisite coursework. Our students are highly successful at completing programs following transfer to such institutions as Georgia Institute of Technology, University of Georgia, Georgia Southern University and Southern Polytechnic State University, as well as other programs outside the state of Georgia. There are many diverse programs to consider such as mechanical, electrical or civil engineering or programs such as biochemical, computer systems, environmental, or biological engineering programs.

STEM areas are in high demand for employers, and growth in many engineering disciplines is anticipated to be high. Engineers will be trained to solve complex analytical problems with both computational and hands on techniques with real world applications.

The departments work with students to help select the best path through the coursework for their desired or intended program. It is advisable for students to research their specific program of interest so advisors can help design a custom curriculum. In addition to your advisor in the Academic Advising Center, you should also begin consulting with a faculty advisor early in your academic career. There is a broad diversity in specific requirements for each program.

augusta.edu/scimath/mathematics

augusta.edu/scimath/chemistry

augusta.edu/scimath/physics

Program Requirements**Core IMPACTS Courses: 42 Hours**

For details on required courses, refer to the General Education/Core IMPACTS Requirements.

Core IMPACTS: Technology, Mathematics and Sciences

Select the following from the Technology, Mathematics and Sciences area of Core IMPACTS.

CHEM 1211 - Principles of Chemistry I (3 Credit Hours)
CHEM 1211L - Principles of Chemistry I Laboratory (1 Credit Hour)
CHEM 1212 - Principles of Chemistry II (3 Credit Hours)
CHEM 1212L - Principles of Chemistry II Laboratory (1 Credit Hour)
MATH 2011 - Calculus and Analytical Geometry I (4 Credit Hours)

Core IMPACTS: Social Sciences

Select one of the following from the Social Sciences area of Core IMPACTS.

ECON 1810 - Introduction to Economics (3 Credit Hours)
ECON 2105 - Macroeconomics (3 Credit Hours)
ECON 2106 - Microeconomics (3 Credit Hours)

Field of Study Courses: 18 Hours

MATH 2012 - Calculus and Analytical Geometry II (4 Credit Hours)
MATH 2013 - Calculus and Analytical Geometry III (4 Credit Hours)
PHYS 2211 - Principles of Physics I (4 Credit Hours)
PHYS 2212 - Principles of Physics II (4 Credit Hours)

Non-Core Courses: 9 Hours

ENGR 2060 - Programming for Science and Engineering (4 Credit Hours) (one hour can be used in the Field of Study Courses requirement)
MATH 3020 - Differential Equations (3 Credit Hours)
MATH 3280 - Linear Algebra (3 Credit Hours)

Directed Electives: 0-11 Hours

One or more other courses may be required for transfer to engineering programs within the University System of Georgia, depending on the student's chosen engineering field. Students should consult their pre-engineering advisor in the Department of Chemistry and Biochemistry or Department of Physics and Biophysics for the proper selection of these courses.

Wellness Graduation Requirement: 3 Hours

WELL 1000 - Wellness (2 Credit Hours)
WELL XXXX - Activity Course (1 Credit Hour)

Total Hours: 69-80 Hours

Section XII: Graduate Academic Programs

Professional Degrees

Doctor of Dental Medicine

- Doctor of Dental Medicine

Doctor of Medicine

- Doctor of Medicine (Athens Campus)
- Doctor of Medicine (Main Campus)

Doctoral Degrees

Doctor of Education

- Doctor of Education in Educational Innovation with a Concentration in Curriculum and Instruction
- Doctor of Education in Educational Innovation with a Concentration in Educational Leadership
-

Doctor of Nursing Practice

- Doctor of Nursing Practice - Post Master's Traditional
- Doctor of Nursing Practice - Post-Master's Nurse Executive Track
- Doctor of Nursing Practice with a Concentration in Adult Gerontology Acute Care Nurse Practitioner
- Doctor of Nursing Practice with a Concentration in Family Nurse Practitioner
- Doctor of Nursing Practice with a Concentration in Nursing Anesthesia
- Doctor of Nursing Practice with a Concentration in Pediatric Nurse Practitioner
- Doctor of Nursing Practice with a Concentration in Psychiatric Mental Health Nurse Practitioner

Doctor of Philosophy

- Doctor of Philosophy in Applied Health Sciences
- Doctor of Philosophy in Biochemistry and Cancer Biology
- Doctor of Philosophy in Biostatistics
- Doctor of Philosophy in Cellular Biology and Anatomy
- Doctor of Philosophy in Computer and Cyber Sciences
- Doctor of Philosophy in Genomic Medicine
- Doctor of Philosophy in Intelligence, Defense, and Cybersecurity Policy
- Doctor of Philosophy in Molecular Oncology and Immunology
- Doctor of Philosophy in Neuroscience
- Doctor of Philosophy in Nursing
- Doctor of Philosophy in Oral Biology and Maxillofacial Pathology
- Doctor of Philosophy in Pharmacology
- Doctor of Philosophy in Physiology
- Doctor of Philosophy in Vascular Biology

Doctor of Physical Therapy

- Doctor of Physical Therapy

Specialist Degrees

Specialist in Education

- Specialist in Education with a Major in Advanced Educational Studies
- Specialist in Education with a Major in Educational Leadership

Master's Degrees

Master of Arts

- Master of Arts with a Major in Intelligence and Security Studies
- Master of Arts with a Major in Intelligence and Security Studies with a Concentration in Social Influence
- Master of Arts with a Major in Intelligence and Security Studies with a Concentration in Technical Intelligence Analysis

Master of Arts in Teaching

- Master of Arts in Teaching with a Concentration in Elementary Education
- Master of Arts in Teaching with a Concentration in Middle Grades Education
- Master of Arts in Teaching with a Concentration in Music Education
- Master of Arts in Teaching with a Concentration in Secondary Education
- Master of Arts in Teaching with a Concentration in Special Education
- Master of Arts in Teaching with a Concentration in World Language

Master of Business Administration

- Master of Business Administration
- Master of Business Administration - Georgia WebMBA
- Master of Business Administration with a Concentration in Healthcare Management

Master of Education

- Master of Education with a Major in Counselor Education and a Concentration in Clinical Mental Health Counseling
- Master of Education with a Major in Counselor Education and a Concentration in School Counseling
- Master of Education with a Major in Instruction
- Master of Education with a Major in Leadership and a Concentration in School Administration

Master of Health Science

- Master of Health Science in Clinical Laboratory Science
- Master of Health Science in Occupational Therapy

Master of Physician Assistant

- Master of Physician Assistant

Master of Public Administration

- Master of Public Administration
- Master of Public Administration with a Concentration in Criminal Justice

Master of Public Health

- Master of Public Health with a Concentration in Health Informatics
- Master of Public Health with a Concentration in Health Management

- Master of Public Health with a Concentration in Social and Behavioral Sciences

Master of Science

- Master of Science with a Major in Allied Health with a Concentration in Nutrition
- Master of Science with a Major in Biological and Computational Mathematics
- Master of Science with a Major in Biomolecular Science
- Master of Science with a Major in Biostatistics
- Master of Science with a Major in Computer Science
- Master of Science with a Major in Data Science
- Master of Science with a Major in Information Security Management
- Master of Science with a Major in Kinesiology
- Master of Science with a Major in Medical Physiology
- Master of Science with a Major in Psychology with a Concentration in Applied Experimental
- Master of Science with a Major in Psychology with a Concentration in Clinical/Counseling
- Master of Science with a Major in Psychology with a Concentration in General Experimental

Master of Science in Clinical and Translational Science

- Master of Clinical and Translational Science

Master of Science in Clinical Dental Research

- Master of Science in Clinical Dental Research

Master of Science in Epidemiology

- Master of Science in Epidemiology

Master of Science in Medical Illustration

- Master of Science in Medical Illustration

Master of Science in Nursing

- Master of Science in Nursing with a Major in Clinical Nurse Leader (Prelicensure)

Master of Science in Oral Biology

- Master of Science in Oral Biology

Dual Degrees/Accelerated Programs

Undergraduate/Graduate Dual Degree/Accelerated Programs

See Section XI: Undergraduate Academic Programs.

Graduate Dual Degree

- Doctor of Dental Medicine and Master of Business Administration
- Doctor of Medicine and Doctor of Philosophy
- Doctor of Medicine and Master of Business Administration
- Doctor of Medicine and Master of Public Health
- Doctor of Philosophy and Master of Business Administration
- Master of Science to Doctor of Medicine

Graduate Certificates

Certificate: Post-Professional

- Post-First-Professional Certificate in Advanced Education in General Dentistry
- Post-First-Professional Certificate in Advanced Practice: Physical Therapy Residency
- Post-First-Professional Certificate in Endodontics
- Post-First-Professional Certificate in General Practice Residency
- Post-First-Professional Certificate in Oral and Maxillofacial Surgery
- Post-First-Professional Certificate in Orthodontics
- Post-First-Professional Certificate in Pediatric Dentistry
- Post-First-Professional Certificate in Periodontics
- Post-First-Professional Certificate in Prosthodontics

Certificate: Post-Master's

- Post-Master's Certificate in Adult Gerontology Acute Care Nurse Practitioner
- Post-Master's Certificate in Clinical and Translational Science
- Post-Master's Certificate in Educational Leadership -Tier One
- Post-Master's Certificate in Educational Leadership -Tier Two
- Post-Master's Certificate in Educational Leadership -Tier Two Extended Track
- Post-Master's Certificate in Family Nurse Practitioner
- Post-Master's Certificate in Pediatric Nurse Practitioner
- Post-Master's Certificate in Psychiatric and Mental Health Advanced Nurse Practitioner

Certificate: Post-Baccalaureate

- Post-Baccalaureate Certificate in Computer Science Endorsement
- Post-Baccalaureate Certificate in English to Speakers of Other Languages (ESOL) Endorsement
- Post-Baccalaureate Certificate in Epidemiological Intelligence
- Post-Baccalaureate Certificate in Gifted Education Endorsement
- Post-Baccalaureate Certificate in Healthcare Information Security
- Post-Baccalaureate Certificate in Intelligence Studies
- Post-Baccalaureate Certificate in Nonprofit Leadership
- Post-Baccalaureate Certificate in PBIS Endorsement
- Post-Baccalaureate Certificate in Public Health
- Post-Baccalaureate Certificate in Reading Endorsement
- Post-Baccalaureate Certificate in Social Influence
- Post-Baccalaureate Certificate in Sports Coaching
- Post-Baccalaureate Certificate in STEM Education Endorsement
- Post-Baccalaureate Certificate in Teaching English to Speakers of Other Languages (TESOL)
- Post-Baccalaureate Certificate in Urban Education Endorsement
- Post-Baccalaureate Certificate in Urban Planning and Community Development

Professional Degrees

Doctor of Dental Medicine

Doctor of Dental Medicine

Program Overview

The Dental College of Georgia (DCG) at Augusta University offers a four-year program leading to a Doctor of Dental Medicine (DDM) degree. The dental curriculum consists of courses in oral biology, clinical sciences, behavioral sciences and management. An Augusta University dental education emphasizes early exposure to patients. Students begin treating patients as early as sophomore year, enjoying a seamless transition from lecture halls and laboratories to clinics. As they master new skills they practice them in the clinic, closely supervised by caring, committed faculty. The fourth year of education is devoted almost solely to patient care. Senior students also practice their skills in clinics and facilities throughout the state.

augusta.edu/dentalmedicine/admit/curriculumoverview

Program Contact

Kim Capehart, DDS, PhD, MBA
706-723-0233
osaas@augusta.edu

Program Accreditation

The program in Doctor of Dental Medicine is accredited by the Commission on Dental Accreditation and has been granted the accreditation status of Approval without Reporting Requirements. The Commission is a specialized accrediting body recognized by the United States Department of Education. The Commission on Dental Accreditation can be contacted at (312) 440-4653 or at 211 East Chicago Avenue, Chicago, IL 60611-2678.

Admissions Information

Please see the Office of Students, Admissions, and Alumni website for specific admissions information. For additional information concerning the DMD admission requirements or application process, please contact the Office of Admissions, Dental College of Georgia at 706-721-3587 or write to:

Office of Admissions
Dental College of Georgia
Augusta University, GC 5024
Augusta, GA 30912-1020
Fax: 706-723-0233
Email: osaas@augusta.edu

Progression and Graduation Requirements

- The DCG measures student performance in many ways throughout the DMD curriculum with the goal of educating well-rounded, competent dentists. The curriculum begins with foundational knowledge in basic sciences and clinical reasoning and skills. As the curriculum progresses, it moves into the formative stages and then practice, finally culminating in achievement of overall competence. Overall Competency is the moment when a student is deemed to have the knowledge, skills, and ability to

operate independently as an entry-level dentist. Overall competency at the DCG is achieved when a student:

- passes all competency components,
- completes comprehensive care for patients reflecting a body of acceptable clinical activity,
- exhibits acceptable ethical and professional behavior/exhibiting the values of a health professional, and
- completes clinical experiences.
- A comprehensive care faculty review committee reviews individual students' overall performance and can make exceptions to (item no. 4) so students are not prevented from graduating based strictly on a "number of clinical experiences" aspect. This also means that completing the historical average number of experiences does not guarantee competence. The quality factor is determined by the comprehensive care faculty review committee. This same committee reviews the factors above and deems achievement for overall competency. It should also be noted that overall competency does not guarantee completion of the DMD degree; academic criteria must be met as well.

Program Information

Program Length: 4 Years

CIP Code: 51.0401

Program Code: DMD_DENT

Major Code: DENT

Degree Requirements

ADCL 5794 - Community Outreach Clerkship I (6 Credit Hours)
 ADCL 5895 - Community Outreach Clerkship II (6 Credit Hours)
 ADPD 5101 - Professional Development Foundations I (4 Credit Hours)
 ADPD 5202 - Professional Development Foundations II (2 Credit Hours)
 ADPD 5303 - Professional Development Foundations III (1 Credit Hour)
 ADPD 5404 - Professional Development Foundations IV (1 Credit Hour)
 ADPD 5505 - Professional Development Foundations V (1 Credit Hour)
 ADPD 5606 - Professional Development Foundations VI (3 Credit Hours)
 ADPD 5707 - Professional Development Foundations VII (1 Credit Hour)
 ADPD 5808 - Professional Development Foundations VIII (1 Credit Hour)
 ADSN 5701 - Special Care Dentistry (1 Credit Hour)
 BMBS 5201 - Bioclinical Seminar I (1 Credit Hour)
 BMBS 5302 - Bioclinical Seminar II (1 Credit Hour)
 BMBS 5403 - Bioclinical Seminar III (1 Credit Hour)
 BMBS 5504 - Bioclinical Seminar IV (1 Credit Hour)
 BMCC 5201 - Craniofacial Complex (6 Credit Hours)
 BMCD 5201 - Craniofacial Development (2 Credit Hours)
 BMCR 5301 - Cardiovascular and Renal Systems (5 Credit Hours)
 BMDM 5601 - Frontiers in Dental/Medical Science I (1 Credit Hour)
 BMDM 5702 - Frontiers in Dental/Medical Science II (1 Credit Hour)
 BMEB 5101 - Biomedical Evidence-Based Dentistry (2 Credit Hours)
 BMEN 5201 - Endocrine System (3 Credit Hours)
 BMFN 5101 - Biomedical Foundations I (4 Credit Hours)
 BMFN 5102 - Biomedical Foundations II (4 Credit Hours)
 BMGH 5301 - Gastrointestinal and Hepatobiliary Systems (3 Credit Hours)
 BMHD 5101 - Host Defense, Pathogenesis, and Management of Infection (5 Credit Hours)
 BMHS 5401 - Hematopoietic System (2 Credit Hours)
 BMMS 5301 - Integumentary and Musculoskeletal Systems (2 Credit Hours)
 BMNN 5101 - Nervous System and Neuroscience (4 Credit Hours)
 BMNN 5202 - Applied Neuropharmacology for Dentistry (4 Credit Hours)
 BMNT 5101 - Nutrition and Community Health (1 Credit Hour)
 BMOM 5101 - Introduction to the Oral Microenvironment (5 Credit Hours)
 BMRS 5301 - Respiratory System (3 Credit Hours)

DSCP 5701 - Diagnostic Sciences Conference (2 Credit Hours)
 DSOM 5301 - Oral Diagnostic Sciences I (5 Credit Hours)
 DSOM 5402 - Oral Diagnostic Sciences II (4 Credit Hours)
 DSOM 5603 - Oral Diagnostic Sciences III (3 Credit Hours)
 DSRD 5211 - Radiology (2 Credit Hours)
 ENDO 5411 - Fundamentals of Endodontics (4 Credit Hours)
 ENDO 5701 - Endodontic Seminar (0 to 1 Credit Hour) (*taken for 1 credit hour*)
 GDBC 5706 - Bioclinical Seminar VI (2 Credit Hours)
 GDBC 5807 - Bioclinical Seminar VII (2 Credit Hours)
 GDDL 5791 - Georgia Dental Licensure I (1 Credit Hour)
 GDDL 5892 - Georgia Dental Licensure II (1 Credit Hour)
 GDTS 5701 - Indications-Based Treatment Solutions Seminar I (1 Credit Hour)
 GDTS 5802 - Indications-Based Treatment Solutions Seminar II (1 Credit Hour)
 OMFS 5501 - Introduction to Oral and Maxillofacial Surgery (1 Credit Hour)
 OMFS 5602 - Fundamentals of Oral Surgery (1 Credit Hour)
 ORTH 5401 - Orthodontics I (2 Credit Hours)
 ORTH 5512 - Orthodontics II (3 Credit Hours)
 PEDD 5511 - Preclinical Pediatric Dentistry (3 Credit Hours)
 PEDD 5611 - Dentistry for Special Needs Patients (1 Credit Hour)
 PEIM 5611 - Introduction to Oral Implantology (2 Credit Hours)
 PERI 5211 - Fundamentals of Periodontology (2 Credit Hours)
 PERI 5302 - Non-Surgical Periodontics (1 Credit Hour)
 PERI 5613 - Surgical Periodontics (2 Credit Hours)
 PERI 5704 - Periodontics in General Practice (1 Credit Hour)
 RSBC 5605 - Bioclinical Seminar V (2 Credit Hours)
 RSCA 5101 - Cariology (1 Credit Hour)
 RSCD 5311 - Complete Denture Prosthodontics (8 Credit Hours)
 RSDM 5511 - Dental Materials (4 Credit Hours)
 RSDS 5391 - Introduction to Clinical Dentistry (3 Credit Hours)
 RSDS 5492 - Introduction to Clinical Dentistry II (3 Credit Hours)
 RSED 5511 - Esthetic Restorative Dentistry (4 Credit Hours)
 RSFX 5311 - Fixed Prosthodontics I (5 Credit Hours)
 RSFX 5412 - Fixed Prosthodontics II (8 Credit Hours)
 RSGD 5701 - Dental Challenges in Treating Older Adults (1 Credit Hour)
 RSID 5211 - Introduction to Dental Sciences (4 Credit Hours)
 RSOC 5111 - Dental Anatomy and Occlusion (8 Credit Hours)
 RSOC 5311 - Occlusal Analysis (2 Credit Hours)
 RSOP 5111 - Operative Dentistry I (4 Credit Hours)
 RSOP 5212 - Operative Dentistry II (4 Credit Hours)
 RSPR 5411 - Removable Partial Dentures (7 Credit Hours)
 RSTP 5201 - Diagnosis and Treatment Planning I (3 Credit Hours)
 RSTP 5502 - Diagnosis and Treatment Planning II (1 Credit Hour)

D3 Clinic: 32 Hours

Junior Clinic includes rotations in ENDO, OMS, PERIO, SCR, and EDS.

ADFD 5591 - Clinical Ethics and Professionalism I (1 Credit Hour)
 ADFD 5692 - Clinical Ethics and Professionalism II (2 Credit Hours)
 DSOM 5591 - Oral Medicine Clinic I (1 Credit Hour)
 DSOM 5692 - Oral Medicine Clinic II (1 Credit Hour)
 DSRD 5591 - Radiology Clinic I (1 Credit Hour)
 DSRD 5692 - Radiology Clinic II (1 Credit Hour)
 OMFS 5591 - Oral Surgery Clinic I (1 Credit Hour)
 OMFS 5692 - Oral Surgery Clinic II (2 Credit Hours)
 PERI 5591 - Periodontics Clinic I (2 Credit Hours)
 PERI 5692 - Periodontics Clinic II (2 Credit Hours)

RSPR 5591 - Prosthodontics Clinic I (3 Credit Hours)
 RSPR 5692 - Prosthodontics Clinic II (4 Credit Hours)
 RSRC 5591 - Restorative Clinic I (4 Credit Hours)
 RSRC 5692 - Restorative Clinic II (4 Credit Hours)
 RSTP 5591 - Diagnosis and Treatment Planning Clinic I (2 Credit Hours)
 RSTP 5692 - Diagnosis and Treatment Planning Clinic II (1 Credit Hour)

D4 Clinic: 35 Hours

ADFD 5793 - Clinical Ethics and Professionalism III (3 Credit Hours)
 ADFD 5894 - Clinical Ethics and Professionalism IV (3 Credit Hours)
 GDCC 5791 - Comprehensive Care Clinic I (13 Credit Hours)
 GDCC 5892 - Comprehensive Care Clinic II (11 Credit Hours)
 OMFS 5793 - Oral Surgery Clinic III (1 Credit Hour)
 OMFS 5794 - Oral Surgery Hospital Clinic (1 Credit Hour)
 OMFS 5895 - Oral Surgery Clinic IV (1 Credit Hour)
 PERI 5793 - Periodontics Clinic III (1 Credit Hour)
 PERI 5894 - Periodontics Clinic IV (1 Credit Hour)

Degree Total: 275 Hours

Doctor of Dental Medicine with a Distinction in Research

Program Overview

The university applauds individual dental students who, in addition to completing their didactic and clinical dental program, have acquired research skills and engaged in significant research activity. The goals of student research are to foster scholarship and critical thinking skills, to add to the body of scientific information and to facilitate recruitment of students into dental research careers. Dental students who distinguish themselves by research achievements during their dental training should receive formal recognition, indicated on their transcript and diploma, denoting the Doctor of Dental Medicine was awarded with Distinction in Research.

To be considered to receive the Doctor of Dental Medicine with Distinction in Research upon graduation, dental students must:

- Be ranked in the top third of their class (~3.5 GPA), according to the Office of Academic Affairs.
- Submit a letter of intent and brief documentation, as listed below, to the Office of Research by the end of January of the third year of the Doctor of Dental Medicine program.
- Have been a member in good standing of the Student Research Group, of the American Association of Dental Research, as confirmed by the Student Research Group President.
- Have participated in the Summer Research Fellowship program (pre-D1 or D1) or other documentable research experience while in dental school.
- Have presented at an annual Table Clinic/Student Research Day.
- Be an author on an abstract accepted to a state, national, or international research meeting while in dental school.
- Provide a letter from the research mentor confirming continuity of research experience while in dental school.

Special consideration and priority will be given to students who have participated in national meetings, research fellowships or awards, such as ADA/Dentsply, IADR Student Research Fellowship, NIH/Fogarty International Clinic Research Scholars Program, Hinman Student Research Symposium, NIH summer research fellowship, HHMI-NIH Research Scholars Program or other forms of extramural recognition and/or funding (provide documentation).

Upon review and approval of the credentials by the associate dean for research, a letter shall be provided to the candidate in time for residency applications, documenting the award.

To allow time for proper documentation on the diploma and transcript, final paperwork will need to be submitted by the candidate to the Registrar's Office by mid-term of the semester before they will be graduating.

augusta.edu/dentalmedicine/admit/curriculumoverview

Program Contact

Dr. Babak Baban
706-721-2032
osaas@augusta.edu

Admissions Information

Please see the Office of Students, Admissions, and Alumni website for specific admissions information. For additional information concerning the DMD admission requirement or application process, please contact the Office of Students, Admissions, and Alumni, Dental College of Georgia at 706-721-3587 or write to:

Office of Admissions
Dental College of Georgia
Augusta University, GC 5024
Augusta, GA 30912-1020

Fax: 706-723-0233
Email: osaas@augusta.edu

Program Information

Program Length: 4 Years
CIP Code: 51.0401
Program Code: DMD_DENT

Doctor of Medicine

Doctor of Medicine (Athens Campus)

Program Overview

First and second year students study foundational and clinical sciences in an organ-systems based, hybrid curriculum, the centerpiece of which is case-based, small group learning, supplemented by interactive large group sessions. Subject areas such as biochemistry, anatomy, genetics, physiology, neuroscience, microbiology, immunology, pathology, pharmacology, and psychiatry are integrated and presented in the context of clinical problems to encourage a more logical sequence of learning and to highlight the clinical relevance of the foundational sciences. This helps students learn in a context that more directly applies to how they will care for patients.

The emphasis on an integrated approach to lifelong learning begins in the first year to help students learn the normal structure and function of the human body, as well as understand social and behavioral aspects of medicine. It continues in the second year, which emphasizes pathophysiology and clinical decision making. Throughout both foundational science years, clinical components include Art of

Doctoring, Community and Population Health, Clinical Skills and Methods, and Evidence-Based Medicine and Practice, in addition to Ethics and Professionalism.

The third year consists of clinical rotations in the core disciplines of medicine, and the fourth year consists of electives and selectives. Required and elective third- and fourth-year clerkships are available in private practices, community clinics and hospitals. These two years involve the application of the knowledge acquired in the foundational science years to a clinical setting.

augusta.edu/mcg

Program Contact

Christopher Fly, MD

706-721-3189

mcgadmissions@augusta.edu

Admissions Information

Please see the MCG Admissions website for specific admissions information.

Program Information

Program Length: 4 Years

CIP Code: 51.1201

Program Code: MD_MEDD

Major Code: MEDD

Degree Requirements

Year One: 79 Hours

MEDI 5151 - Module 1: Fundamentals (9 Credit Hours)

MEDI 5156 - Module 2: Musculoskeletal (15 Credit Hours)

MEDI 5161 - Module 3: Brain and Behavior (15 Credit Hours)

MEDI 5168 - Module 4: Renal/Cardiopulmonary (20 Credit Hours)

MEDI 5179 - Module 5: GI/Endocrine/Reproductive Systems (20 Credit Hours)

Year Two: 76 Hours

MEDI 5212 - Module 1: Hematology/Oncology (11 Credit Hours)

MEDI 5226 - Module 2: Genitourinary (15 Credit Hours)

MEDI 5232 - Module 3: Cardiopulmonary (15 Credit Hours)

MEDI 5242 - Module 4: Digestive and Endocrine Systems (12 Credit Hours)

MEDI 5252 - Module 5: Behavior & Brain (12 Credit Hours)

MEDI 5262 - Module 6: Multi-System Disorders (11 Credit Hours)

Year Three: Clerkship and Enrichment

Students must satisfactorily complete all of the requirements of Year 2 before entering Clerkship and Enrichment. Students must pass USMLE Step I to enter the third-year curriculum.

Students will complete their core clerkships and electives at hospitals and community-based training sites throughout Northeast Georgia. All core clerkships and the intersession in the care for chronically ill and terminally ill patients occur in the catchment area for the Medical Partnership Campus.

FMPC 5000 - Basic Clerkship Family Medicine (18 Credit Hours)

GMED 5000 - Basic Clerkship in Internal Medicine (18 Credit Hours)

MEDI 6000 - Care of the Chronically and Terminally Ill Intersession (5 Credit Hours)

NEUR 5000 - Basic Clerkship in Neurology (9 Credit Hours)

OBN 5000 - Basic Clerkship in Obstetrics and Gynecology (18 Credit Hours)

PEDS 5000 - Basic Clerkship in Pediatrics (18 Credit Hours)

PSRY 5000 - Basic Psychiatry Clerkship (9 Credit Hours)
 SURG 5000 - Basic Clerkship in Surgery (18 Credit Hours)

Year Four: Senior Year Requirements

The fourth year is ten months in length. Students must complete two clerkships and two selectives. All students must complete an adult ambulatory clerkship, an emergency medicine clerkship, an acting internship selective, and a critical care selective. The remainder of the fourth year consists of at least three electives. Students may take additional electives during the academic year. Of these three required electives in the fourth year, one must be at an MCG-affiliated site.

Only one international experience may fulfill the elective requirements for graduation.

Students may only receive graduation credit for one research elective regardless of the length of the experience. A student may do research electives in different areas of interest; however, only one of these electives fulfills the elective requirements for graduation.

If a student did not complete a third-year elective, they must do a total of four electives in the fourth year to fulfill the requirements for graduation. Two of the four electives must be on-campus.

The Curriculum Office must approve off-campus electives for graduation credit.

According to institutional policy, students may not receive retroactive credit for electives that were not approved by the Curriculum Office.

Degree Total: 155 Hours

Doctor of Medicine (Main Campus)

Program Overview

The following curriculum requirements are for the Clerkship/Advanced Clerkship/Enrichment Experiences (formerly Phase 3). By the conclusion of the Preclerkship Experience, students must have chosen one of three pathways. The three-year Primary Care Residency Pathway, the Dual Degree Pathway, or the four-year Residency Jump Start Pathway. All students, regardless of Pathway choice, must complete the requirements of the Core Curriculum outlined below.

Clerkships:

Clerkship Experience: Students must complete seven clerkships during the clerkship phase before being promoted to the Advanced Clerkship Experience. These are Family Medicine, Internal Medicine, Neurology, Obstetrics and Gynecology, Pediatrics, Psychiatry, and Surgery. Clerkships may be taken in any order or altogether in the form of an LIC. Depending on the student's Pathway of choice, clerkships may be interrupted by electives.

Advanced Clerkship Experience: Upon promotion to the Advanced Clerkship Experience, students must complete a clerkship in Emergency Medicine. This clerkship is taken during the Advanced Clerkship Experience except in the case of a student on the 3-year Primary Care Pathway who is an Emergency Medicine student - These students will complete the Emergency Medicine clerkship during the Clerkship Experience.

Selectives: As a part of the core curriculum, students must complete three 4-week clinical selectives. These are Ambulatory, Critical Care, and Sub-Internship. Courses that meet the clinical selective requirement are available in a variety of different departments. The clinical selectives are completed as a part of the Advanced Clerkship Experience. Students on the Residency Jump Start Pathway have additional selective requirements which are described below.

Patient Centered Learning (PCL): Students must complete the PCL – Clerkship/Advanced Clerkship courses during the Clerkship Experience and the Advanced Clerkship Experience. These courses run concurrently with the Clerkship and Advanced Clerkship curriculum.

USMLE Prep: Students must complete an six-week USMLE prep course during the core curriculum. For most students, this will take place immediately following the completion of the Clerkship Experience. Under certain circumstances, students may be granted permission to use an elective period during the Clerkship Experience to complete this course. Students are encouraged but not required to take the USMLE exams during this prep course.

Electives: Students must complete 6 weeks of elective courses. Electives are generally completed during the Advanced Clerkship Experience, but depending on the prerequisites for the elective and the student's chosen pathway, some electives may be completed during the Clerkship Experience. Selective courses (Ambulatory, Critical Care, Sub-I etc.) which are taken in excess of the selective requirements may be counted as electives.

USMLE: Students must pass USMLE Step 1 and Step 2 prior to graduation. The timing of these tests is dependent on the individual student, pathway choice, and residential campus.

Note: As a part of the Core Curriculum, students may complete up to four weeks of electives off campus on a visiting elective.

In addition to the requirements of the Core Curriculum, students on the Residency Jump Start and Dual Degree Pathways have further requirements outlined below during the Enrichment Year.

Patient Centered Learning: Students in both of these pathways must complete two additional PCL – Enrichment courses. These courses will be taken concurrently with all other curricular requirements.

Selectives: Students in the Residency Jump Start Pathway must complete one 4-week/8-hour Advanced Clinical Elective and four weeks of a Scholarly Project selective. Students must also complete an additional 8 weeks that can be made up of 8 more weeks of either one of these or 4 weeks of each. Unless specified, four-week/8-hour clinical electives, including off campus electives, will fulfill the Advanced Clinical selective requirement. Additionally, students complete an Integrative Science Selective.

Electives: Students on the Residency Jump Start Pathway must complete an additional eight weeks/16 hrs. of electives in blocks ranging from two to six weeks in length.

Dual Degree Courses: Students on the Dual Degree Pathway must complete the requirements of their chosen second degree.

Note: Students in these two Pathways may take an additional eight weeks of time off campus to fulfill the selective or elective requirements for graduation. Students may take as much time off campus as they wish, but no more than twelve weeks (four weeks in Core and eight weeks in Enrichment) will be counted toward the graduation requirements.

augusta.edu/mcg

Program Contact

Christopher Fly, MD

706-721-3189

mcgadmissions@augusta.edu

Admissions Information

Please see the MCG Admissions website for specific admissions information.

Program Information

Program Length: 4 Years

CIP Code: 51.1201

Program Code: MD_MEDD

Major Code: MEDD

Degree Requirements

Curriculum for Main Campus Students

Pre-Clerkship: 149 Hours

Year One

Pre-Clerkship Fall: 43 Hours

MEDI 6100 - Orientation to Medicine Module (3 Credit Hours)

MEDI 6110 - Patient Centered Learning 1 (11 Credit Hours)

MEDI 6120 - Foundations of Medicine Module (13 Credit Hours)

MEDI 6130 - Musculoskeletal/ Skin Module (12 Credit Hours)

MEDI 6150 - MCG YOU+ Learning Communities (4 Credit Hours)

MEDI 6300 - Career Paths in Medicine (0 to 15 Credit Hours)

Pre-Clerkship Spring: 51 Hours

MEDI 6150 - MCG YOU+ Learning Communities (4 Credit Hours)

MEDI 6210 - Patient Centered Learning 2 (13 Credit Hours)

MEDI 6220 - Cardiopulmonary/Heme Module (15 Credit Hours)

MEDI 6230 - Healthcare Matters Module (4 Credit Hours)

MEDI 6240 - GI/GU/Endocrine Module (15 Credit Hours)

MEDI 6300 - Career Paths in Medicine (0 to 15 Credit Hours)

Year Two

Pre-Clerkship Fall: 55 Hours

MEDI 6150 - MCG YOU+ Learning Communities (4 Credit Hours)

MEDI 6300 - Career Paths in Medicine (0 to 15 Credit Hours)

MEDI 6310 - Patient Centered Learning 3 (12 Credit Hours)

MEDI 6320 - Brain, Behavior, & Movement Module (15 Credit Hours)

MEDI 6330 - Healthcare Across the Lifespan Module (5 Credit Hours)

MEDI 6340 - Capstone in Medicine 1 Module (10 Credit Hours)

Clerkship: 120 Hours

FMPC 5000 - Basic Clerkship Family Medicine (18 Credit Hours)

GMED 5000 - Basic Clerkship in Internal Medicine (18 Credit Hours)

MEDI 6410 - Patient Centered Learning - Clerkship Spring (6 Credit Hours)

MEDI 6420 - Patient Centered Learning - Clerkship Fall (6 Credit Hours)

NEUR 5000 - Basic Clerkship in Neurology (9 Credit Hours)

OBN 5000 - Basic Clerkship in Obstetrics and Gynecology (18 Credit Hours)

PEDS 5000 - Basic Clerkship in Pediatrics (18 Credit Hours)

PSRY 5000 - Basic Psychiatry Clerkship (9 Credit Hours)

SURG 5000 - Basic Clerkship in Surgery (18 Credit Hours)

Advanced Clerkship:

EMED 5001 - Emergency Medicine Clerkship (12 Credit Hours)

MEDI 5010 - USMLE Preparation Elective (1 to 12 Credit Hours) *(Passing Step 1 exam required during course) (taken for 6 Credit Hours)*

MEDI 6510 - Patient Centered Learning - Advanced Clerkship (6 Credit Hours)

PSRY 6000 - Palliative Care (5 Credit Hours)

Ambulatory Selective: 12 Hours

Select 12 hours from the following courses:

GMED 5077 - Ambulatory Adult Selective (12 Credit Hours)
 PEDS 5077 - Pediatric Ambulatory Selective (12 Credit Hours)
 PEDS 5078 - Medicine/Pediatrics Ambulatory Selective (12 Credit Hours)
 SURG 5077 - Surgery Ambulatory Selective (12 Credit Hours)

Critical Care Selective: 12 Hours

Select 12 hours from the following courses:

ANES 5015 - Anesthesia Critical Care (12 Credit Hours)
 GMED 5034 - Medical Critical Care (12 Credit Hours)
 NEUR 5010 - Neurology Critical Care (12 Credit Hours)
 PEDS 5001 - Neonatal Sub-I/Critical Care (12 Credit Hours) (*can be critical care or sub-I*)
 PEDS 5018 - Pediatric Critical Care (12 Credit Hours)
 SURG 5005 - Surgery Critical Care/Trauma (12 Credit Hours)

Sub-I Selective: 12 Hours

Select 12 hours from the following courses:

FMPC 5003 - Family Medicine Sub-I (12 Credit Hours)
 GMED 5011 - Medicine Sub-I (12 Credit Hours)
 NEUR 5001 - Adult Neurology Sub-I (12 Credit Hours)
 NEUR 5009 - Child Neurology Sub-I (12 Credit Hours)
 OBGN 5009 - Obstetrics and Gynecology Sub-I (12 Credit Hours)
 PEDS 5001 - Neonatal Sub-I/Critical Care (12 Credit Hours)
 PEDS 5009 - Pediatrics Sub-I (12 Credit Hours)
 PSRY 5047 - Child & Adolescent Psychiatry Sub I (12 Credit Hours)
 PSRY 5048 - General Psychiatry Sub I (12 Credit Hours)
 SURG 5007 - Surgery Sub-I (12 Credit Hours)
 SURG 5016 - Surgery Sub-I for Military Students (12 Credit Hours)

One 4-Week Clinical Elective: 8 Hours

Select courses with an asterisk (*) from Elective list below:

One 2-Week Elective: 4 Hours

Select from the following courses:

ANAT 5002 - Research Elective in Anatomy (4 to 8 Credit Hours)
 ANAT 5005 - Clinical Anatomy and Teaching Skills (4 to 8 Credit Hours)
 ANES 5002 - Anesthesiology Research Elective (4 to 8 Credit Hours)
 ANES 5003 - Anesthesiology Off-Campus Externship (4 to 8 Credit Hours) *
 ANES 5008 - Pain Management Elective (4 to 8 Credit Hours) *
 ANES 5011 - Anesthesiology Externship (4 to 8 Credit Hours) *
 ANES 5014 - Respiratory Care Elective (4 to 8 Credit Hours)
 ANES 5018 - Pediatric Anesthesia Elective (4 to 8 Credit Hours) *
 BCMB 5002 - Research in Biochemistry and Molecular Biology (4 to 8 Credit Hours)
 DERM 5001 - Dermatology Externship (4 to 8 Credit Hours) *
 DERM 5002 - Dermatology Off-Campus Externship (4 to 8 Credit Hours) *
 DERM 5003 - Advanced Dermatology (4 to 8 Credit Hours) *
 EMED 5002 - Emergency Medicine Externship (4 to 8 Credit Hours) *
 EMED 5004 - Research in Emergency Medicine (4 to 8 Credit Hours) *
 EMED 5005 - Emergency Medicine Externship Off-Campus (4 to 8 Credit Hours) *
 EMED 5007 - International and Travel Medicine (4 to 8 Credit Hours) *
 EMED 5008 - Emergency Ultrasound (4 to 8 Credit Hours) *
 EMED 5013 - Rural Emergency Medicine (4 to 8 Credit Hours) *
 EMED 5014 - Emergency Medicine Services (EMS) Elective for Medical Students (4 to 8 Credit Hours) *
 EMED 5016 - Transition to Residency Elective (4 to 8 Credit Hours) *
 EMED 5019 - Imaging in Clinical Emergency Medicine Elective (4 to 8 Credit Hours) *
 FMPC 5007 - Family Medicine Off-Campus Externship (4 to 8 Credit Hours) *

FMPC 5008 - Family Medicine Externship (4 to 8 Credit Hours) *
 FMPC 5009 - Family Medicine Research (4 to 8 Credit Hours)
 FMPC 5015 - Primary Care Sports Medicine (4 to 8 Credit Hours) *
 FMPC 5017 - Rural Family Medicine (4 to 8 Credit Hours) *
 FMPC 5018 - Vulnerable Populations Elective (4 to 8 Credit Hours) *
 FMPC 5019 - Family Medicine Procedures (4 to 8 Credit Hours) *
 FMPC 5020 - Health Policy and Advocacy (4 to 8 Credit Hours)
 FMPC 5022 - Georgia War Geriatrics and Palliative Care Elective (8 Credit Hours) *
 FMPC 6000 - Population Health/Business in Medicine (4 to 8 Credit Hours)
 FMPC 6004 - Food As Medicine: Addressing Diet-Related Illnesses Affected by Poverty (4 to 8 Credit Hours)
 FMPC 6599 - M4 Student Chief (8 Credit Hours)
 GMED 5010 - Rheumatology Externship (4 to 8 Credit Hours) *
 GMED 5012 - Hematology/Oncology Externship (4 to 8 Credit Hours) *
 GMED 5013 - Nephrology Externship (4 to 8 Credit Hours) *
 GMED 5014 - Rehabilitation Medicine Externship (4 to 8 Credit Hours) *
 GMED 5016 - Nephrology Consult Elective (4 to 8 Credit Hours) *
 GMED 5017 - Cardiology Consultation Service (4 to 8 Credit Hours) *
 GMED 5021 - Gastroenterology Externship (4 to 8 Credit Hours) *
 GMED 5022 - Sleep Medicine (4 to 8 Credit Hours) *
 GMED 5023 - Pulmonary Externship (4 to 8 Credit Hours) *
 GMED 5025 - Infectious Diseases Externship (4 to 8 Credit Hours) *
 GMED 5027 - Medicine Off-Campus Externship (4 to 8 Credit Hours) *
 GMED 5028 - Research Elective in Medicine (4 to 8 Credit Hours) *
 GMED 5039 - Endocrinology Externship (4 to 8 Credit Hours) *
 GMED 5040 - Cardiology Externship (4 to 8 Credit Hours) *
 GMED 5056 - Epidemiology Atlanta Externship (4 to 8 Credit Hours) *
 GMED 5066 - Obesity Medicine (4 to 8 Credit Hours) *
 GMED 5078 - Introduction to Rheumatology (4 to 8 Credit Hours) *
 GMED 5095 - Palliative Care Externship (4 to 8 Credit Hours) *
 GMED 5096 - Introduction to Outpatient Internal Medicine (4 to 8 Credit Hours) *
 GMED 6599 - GMED Student Chief (4 to 8 Credit Hours)
 MEDI 5004 - Independent Study (0 to 8 Credit Hours)
 MEDI 5012 - Medical Education (4 to 8 Credit Hours)
 MEDI 5014 - CBL (Case-Based Learning) Elective (0 to 8 Credit Hours)
 MEDI 5015 - Overview of Health Professions Education Scholarship (3 Credit Hours)
 MEDI 5016 - Professional Development Elective (4 to 8 Credit Hours)
 MEDI 5017 - Telemedicine Elective (4 to 8 Credit Hours) *
 MEDI 5018 - Clerkship Procedure Elective (4 to 8 Credit Hours) *
 MEDI 5020 - Comparative Policy, Strategy, and Systems in Rural Health-Scotland (8 Credit Hours) *
 MEDI 5022 - The Use of Artificial Intelligence in Medical Education (4 to 8 Credit Hours)
 MEDI 5080 - Disease Prevention Research (8 Credit Hours)
 MEDI 5099 - On/Off-Campus Research Elective (4 to 8 Credit Hours)
 MEDI 6001 - Simulation Education Elective (4 to 8 Credit Hours)
 NEUR 5003 - Neurology Consult and Clinics Externship (4 to 8 Credit Hours) *
 NEUR 5006 - Neurology Research (4 to 8 Credit Hours) *
 NEUR 5008 - Neurology Off-Campus Externship (4 to 8 Credit Hours) *
 NEUR 5012 - UME GME Education- Osler Apprenticeship in Neurology (4 to 8 Credit Hours)
 NEUR 5020 - Neuromuscular Disease Senior Elective (4 to 8 Credit Hours) *
 NEUR 5022 - Electromyography Senior Elective (4 to 8 Credit Hours) *
 OBN 5001 - Obstetrics and Gynecology Off-Campus Externship (4 to 8 Credit Hours) *
 OBN 5005 - Maternal Fetal Medicine Externship (4 to 8 Credit Hours) *
 OBN 5006 - Reproductive Endocrinology Externship (4 to 8 Credit Hours) *
 OBN 5007 - Gynecologic Oncology Externship (4 to 8 Credit Hours) *
 OBN 5008 - Benign Gynecology Externship (4 to 8 Credit Hours) *
 OBN 5011 - Obstetrics and Gynecology Research (4 to 8 Credit Hours) *

OBGN 5012 - Urogynecology Externship (4 to 8 Credit Hours) *
 OBGN 5016 - Gynecology Boot Camp (4 to 8 Credit Hours) *
 OBGN 5017 - Obstetrics Emergency Department Elective (4 to 8 Credit Hours) *
 OBGN 5018 - Transgender Health Longitudinal Elective (4 to 8 Credit Hours) *
 OBGN 5019 - OB/Gyn Advocacy Elective (4 to 8 Credit Hours) *
 OBGN 5020 - Rural Outpatient Gynecology Elective (4 to 8 Credit Hours) *
 OBGN 5500 - OBGYN Clinical Anatomy Readiness Course (8 Credit Hours) *
 OBGN 6599 - OB/Gyn Student Chief (4 to 8 Credit Hours)
 OPTH 5001 - Ophthalmology Externship (4 to 8 Credit Hours) *
 OPTH 5002 - Ophthalmology Research Elective (4 to 8 Credit Hours)
 OPTH 5003 - Ophthalmology Off-Campus Externship (4 to 8 Credit Hours) *
 PATH 5003 - Surgical Pathology Externship (4 to 8 Credit Hours) *
 PATH 5009 - Clinical Pathology Externship (4 to 8 Credit Hours) *
 PATH 5014 - Pathology Off-Campus Externship (4 to 8 Credit Hours) *
 PATH 5016 - Anatomic Pathology Externship (4 to 8 Credit Hours) *
 PATH 5019 - Clinical Microbiology Externship (4 to 8 Credit Hours) *
 PATH 5028 - Introduction to Pathology (4 to 8 Credit Hours) *
 PATH 5029 - Forensic Medicine Elective (4 to 8 Credit Hours) *
 PATH 5086 - Pathology General Research Elective (4 to 8 Credit Hours)
 PEDS 5002 - Pediatric Off-Campus Externship (4 to 8 Credit Hours) *
 PEDS 5005 - Pediatric Cardiology Externship (4 to 8 Credit Hours) *
 PEDS 5006 - Pediatric Allergy Immunology Externship (4 to 8 Credit Hours) *
 PEDS 5007 - Pediatric Research (4 to 8 Credit Hours)
 PEDS 5011 - Pediatric Gastroenterology Externship (4 to 8 Credit Hours) *
 PEDS 5013 - Pediatric Infectious Disease Externship (4 to 8 Credit Hours) *
 PEDS 5014 - Newborn Nursery Sub-I (4 to 8 Credit Hours) *
 PEDS 5017 - Pediatric Hematology/Oncology Externship (4 to 8 Credit Hours) *
 PEDS 5020 - Pediatric Endocrinology Externship (4 to 8 Credit Hours) *
 PEDS 5022 - Pediatric Pulmonology Externship (4 to 8 Credit Hours) *
 PEDS 5025 - Developmental Pediatrics (4 to 8 Credit Hours) *
 PEDS 5026 - Pediatric Enhanced Primary Care "PEPC" (4 to 8 Credit Hours) *
 PEDS 5029 - Med-Peds Elective (4 to 8 Credit Hours) *
 PEDS 5035 - Pediatric Assistantship at Special Needs Summer Camp (4 to 8 Credit Hours) *
 PEDS 5036 - Pediatric Sub-Specialties Externship (4 to 8 Credit Hours) *
 PEDS 5037 - Advanced Pediatrics (4 to 8 Credit Hours) *
 PEDS 5038 - Spirituality and Medicine (4 Credit Hours) *
 PEDS 5039 - Pediatric Hospital Medicine Elective (4 Credit Hours) *
 PEDS 5040 - Pediatric Palliative Care (4 to 8 Credit Hours) *
 PEDS 5041 - Pediatric Nephrology (4 to 8 Credit Hours) *
 PEDS 5042 - Pediatric Therapy & Rehabilitation: The Medically Complex Child (4 to 8 Credit Hours) *
 PEDS 5043 - Pediatric Rheumatology (4 to 8 Credit Hours) *
 PEDS 5045 - Pediatric Complex Care (4 to 8 Credit Hours) *
 PEDS 6599 - Pediatric Chief Elective (4 to 8 Credit Hours)
 PHRM 5003 - Pharmacology Tutorial (4 Credit Hours)
 PHRM 5004 - Pharmacology Research (4 Credit Hours)
 PHRM 5012 - Clinical Pharmacology Tutorial (4 Credit Hours)
 PHRM 5015 - Critical Care Pharmacology Tutorial (4 Credit Hours)
 PSIO 5011 - Research Elective in Physiology (4 Credit Hours)
 PSRY 5002 - Consult-Liaison Psychiatry Externship (4 to 8 Credit Hours) *
 PSRY 5005 - Psychiatry Off-Campus Externship (4 to 8 Credit Hours) *
 PSRY 5007 - Eating Disorders Externship (4 to 8 Credit Hours) *
 PSRY 5023 - Child and Adolescent Psychiatry Externship (4 to 8 Credit Hours) *
 PSRY 5028 - HIV and LGBTQ+ Mental Health (4 to 8 Credit Hours) *
 PSRY 5029 - Molecular Neurobiology of Treatment Outcome of Schizophrenia (4 to 8 Credit Hours) *
 PSRY 5040 - Research Elective in Psychotic Disorders (4 to 8 Credit Hours)
 PSRY 5041 - Addiction Psychiatry Externship (4 to 8 Credit Hours) *

PSRY 5043 - Emergency Psychiatry Externship (4 to 8 Credit Hours) *
 PSRY 5044 - Neurostimulation Externship (4 to 8 Credit Hours) *
 PSRY 5045 - Advanced Psychiatry Sub-I (4 to 8 Credit Hours) *
 PSRY 5046 - Mood Disorders Externship (4 to 8 Credit Hours) *
 PSRY 5050 - Psychiatry Media Elective (8 Credit Hours) *
 PSRY 6599 - PSRY Student Chief (4 to 8 Credit Hours)
 RADM 5001 - Radiology Externship (4 to 8 Credit Hours) *
 RADM 5003 - Pediatric Radiology Externship (4 to 8 Credit Hours) *
 RADM 5004 - Advanced Diagnostic Radiology Externship (4 to 8 Credit Hours) *
 RADM 5005 - Radiology Off-Campus Externship (4 to 8 Credit Hours) *
 RADM 5007 - Vascular/Interventional Radiology Externship (4 to 8 Credit Hours) *
 RADM 5013 - Radiology Research Elective (4 to 8 Credit Hours)
 RADM 5015 - Introduction to Clinical Ultrasound (4 to 8 Credit Hours) *
 RONC 5006 - Radiation Therapy Externship (4 to 8 Credit Hours) *
 RONC 5008 - Radiation Therapy Off-Campus Externship (4 to 8 Credit Hours) *
 SURG 5002 - General Surgery Research (4 to 8 Credit Hours)
 SURG 5003 - General Surgery Externship (4 to 8 Credit Hours) *
 SURG 5004 - General Surgery Off-Campus Externship (4 to 8 Credit Hours) *
 SURG 5015 - Tutorial in the History of Medicine (4 Credit Hours) *
 SURG 5025 - Fundamentals of Robotics - General Surgery Externship (4 to 8 Credit Hours) *
 SURG 5200 - Neurosurgery Externship (4 to 8 Credit Hours) *
 SURG 5202 - Neurosurgery Off-Campus Externship (4 to 8 Credit Hours) *
 SURG 5203 - Neurosurgery Externship and Research (4 to 8 Credit Hours)
 SURG 5205 - Pediatric Neurosurgery Externship (4 to 8 Credit Hours) *
 SURG 5252 - Otolaryngology Off-Campus Externship (4 to 8 Credit Hours) *
 SURG 5254 - Otolaryngology Externship (4 to 8 Credit Hours) *
 SURG 5275 - Orthopedics Externship (4 to 8 Credit Hours) *
 SURG 5278 - Orthopedics Off-Campus Externship (4 to 8 Credit Hours) *
 SURG 5292 - Orthopedic Surgery Research (4 to 8 Credit Hours)
 SURG 5300 - Pediatric Surgery Externship (4 to 8 Credit Hours) *
 SURG 5325 - Thoracic and Cardiac Surgery Externship (4 to 8 Credit Hours) *
 SURG 5326 - Off-Campus Thoracic and Cardiac Surgery Externship (4 to 8 Credit Hours) *
 SURG 5350 - Urology Externship (4 to 8 Credit Hours) *
 SURG 5351 - Urology Off-Campus Externship (4 to 8 Credit Hours) *
 SURG 5352 - Urologic Research (4 to 8 Credit Hours)
 SURG 5375 - Plastic Reconstructive Surgery Externship (4 to 8 Credit Hours) *
 SURG 5379 - Pediatric Urology Externship (4 to 8 Credit Hours) *
 SURG 5380 - Surgery Boot Camp (4 to 8 Credit Hours) *
 SURG 6599 - SURG Student Chief (4 to 8 Credit Hours)

Three-Year Curriculum Degree Total: 352 Hours

Enrichment Curriculum: 68 Hours

MEDI 5005 - Integrative Science Selective (8 Credit Hours)
 MEDI 6610 - Patient Centered Learning - Enrichment Fall (6 Credit Hours)
 MEDI 6620 - Patient Centered Learning - Enrichment Spring (6 Credit Hours)

Enrichment Selectives: 32 Hours

Select one of the following options:

Option 1

One 4-week/8 Hour Clinical Elective (*select courses with an asterisk (*) from Electives list above*) (8 Credit Hours)

MEDI 5088 - Mentored Research Project (0 to 24 Credit Hours) (taken for 24 Credit Hours)

Option 2

Two 4-week/8 Hour Clinical Electives (*select courses with an asterisk (*) from Electives list above*) (16 Credit Hours)

MEDI 5088 - Mentored Research Project (0 to 24 Credit Hours) (taken for 16 Credit Hours)

Option 3

Three 4-week/8 Hour Clinical Electives (*select courses with an asterisk (*) from Electives list above*) (24 Credit Hours)

Plus 8 Credit Hours from the following:

ANAT 5002 - Research Elective in Anatomy (4 to 8 Credit Hours)

ANES 5002 - Anesthesiology Research Elective (4 to 8 Credit Hours)

BCMB 5002 - Research in Biochemistry and Molecular Biology (4 to 8 Credit Hours)

EMED 5004 - Research in Emergency Medicine (4 to 8 Credit Hours)

FMPC 5009 - Family Medicine Research (4 to 8 Credit Hours)

GMED 5028 - Research Elective in Medicine (4 to 8 Credit Hours)

MEDI 5088 - Mentored Research Project (0 to 24 Credit Hours)

MEDI 5099 - On/Off-Campus Research Elective (4 to 8 Credit Hours)

NEUR 5006 - Neurology Research (4 to 8 Credit Hours)

OBN 5011 - Obstetrics and Gynecology Research (4 to 8 Credit Hours)

OPHTH 5002 - Ophthalmology Research Elective (4 to 8 Credit Hours)

PATH 5086 - Pathology General Research Elective (4 to 8 Credit Hours)

PEDS 5007 - Pediatric Research (4 to 8 Credit Hours)

PHRM 5004 - Pharmacology Research (4 Credit Hours)

PSIO 5011 - Research Elective in Physiology (4 Credit Hours)

PSRY 5040 - Research Elective in Psychotic Disorders (4 to 8 Credit Hours)

RADM 5013 - Radiology Research Elective (4 to 8 Credit Hours)

SURG 5002 - General Surgery Research (4 to 8 Credit Hours)

SURG 5203 - Neurosurgery Externship and Research (4 to 8 Credit Hours)

SURG 5292 - Orthopedic Surgery Research (4 to 8 Credit Hours)

SURG 5352 - Urologic Research (4 to 8 Credit Hours)

Electives: 16 Hours

Required Electives - 8 weeks (*combination of 4- and 2-week electives totaling 16 Hours*) (*Select courses from Elective list above*)

Four-Year Curriculum Degree Total: 420 Hours

Doctoral Degrees

Doctor of Education

Doctor of Education in Educational Innovation with a Concentration in a Teaching and Curriculum Area

Program Overview

The doctoral program in educational innovation is designed for practitioners who work in varied educational settings. There are two concentration areas: 1) Teaching and Curriculum and 2) Educational

Leadership. The degree program prepares educators to lead effectively in the teaching and learning environment, to advocate for solutions to problems, to foster innovation, and to be responsive to the evolving expectations placed upon educational systems. Based on the Carnegie Project on the Educational Doctorate (CPED) principles, the 55-hour program of study includes 19 hours of core coursework, 9 hours in a concentration of choice (see list of 21 concentrations available for the Teaching and Curriculum concentration), 12 hours in research, and 15 hours of capstone/dissertation in practice.

Students progress through the program as a cohort, and courses in the Curriculum and Instruction concentration are taught face-to-face using an executive model over six weekends each semester. Starting in Spring 2026, students entering the Educational Leadership concentration, the program will be delivered online via asynchronous instruction.

augusta.edu/education/research-counseling-curriculum

Program Contact

Dr. Darla Linville
706-737-1497
coegs@augusta.edu

Admissions Information

This program has a secondary admissions process. For information on admissions requirements, visit The Graduate School website at augusta.edu/gradschool.

Progression and Graduation Requirements

- Students in the Doctor of Education degree program must meet all academic standards of the College of Education and Human Development and The Graduate School, to include a requirement to maintain a minimum GPA of 3.0 each semester and overall. A minimum grade of B (or satisfactory in courses graded S and U) must be earned for each course applying toward the EdD.
- Students whose semester or cumulative GPA falls below a 3.0 will be placed on academic probation. While on academic probation students must maintain at least a 3.0 GPA each semester. The student will have two consecutive enrolled semesters to re-establish a cumulative 3.0 GPA. Any student making less than a 3.0 GPA for more than one semester, consecutive or otherwise, will automatically be dismissed.
- Student's earning a "U" or "C" in any course will be required to repeat the course and/or participate in faculty-designed remediation. Remediation plan may include enrolling in and satisfactorily completing an Independent Study. Failure to remediate the academic probation can result in dismissal from the program.
- Any student who earns a "C" and/or "U" in more than one course during their enrollment will be considered for dismissal. Students who earn a "D" or "F" in any course of the Ed.D. are automatically dismissed from the college. When circumstances are warranted, a student being considered for dismissal under this policy may be permitted to continue as a student on probation upon the recommendation of the academic program director and approval of the Dean.
- Any student dismissed from the College of Education and Human Development/The Graduate School may appeal the action in accordance with the Augusta University policy.

Program Information

Program Length: 3 Years
CIP Code: 13.0601
Program Code: 1EDD-EDEI
Major Code: EDIN-Educational Innovation
Campus Code: AUO, MAIN

Degree Requirements

Core Courses: 19 Hours

EDEI 8000 - Introduction to Scholarly Practitioner Learning Communities (1 Credit Hour)
EDEI 8001 - Equity and Social Justice (3 Credit Hours)
EDEI 8160 - Curriculum Theory (3 Credit Hours)
EDEI 8162 - Advanced Principles of Pedagogy and Learning (3 Credit Hours)
EDEI 8163 - Seminar in Place-Based Education (3 Credit Hours)
EDEI 8460 - Leadership and Interpersonal Dynamics (3 Credit Hours)
EDEI 8461 - Educational Change (3 Credit Hours)

Concentration: 9 Hours

Select from one of the following teaching and curriculum concentrations:

• Curriculum and Instruction	• Secondary Education Economics
• Elementary Education	• Secondary Education English
• Middle Grades Education	• Secondary Education French
• P-12 Art Education	• Secondary Education German
• P-12 Health and Physical Education	• Secondary Education History
• P-12 Music Education	• Secondary Education Mathematics
• P-12 Special Education	• Secondary Education Physics
• Secondary Education Biology	• Secondary Education Political Science
• Secondary Education Chemistry	• Secondary Education Science
• Secondary Education Earth Science	• Secondary Education Spanish

Concentration Courses

Assignments and assessments in the concentration courses must be completed in the certification area.

EDEI 8165 - Curriculum Inquiry (3 Credit Hours)
EDEI 8166 - Alternative Curriculum Models (3 Credit Hours)
EDEI 8950 - Special Topics (3 Credit Hours)

Research Courses: 12 Hours

EDEI 8020 - Advanced Educational Research Design (3 Credit Hours)
EDEI 8021 - Advanced Practice in Applied Quantitative Research (3 Credit Hours)
EDEI 8022 - Advanced Practice in Applied Qualitative Research (3 Credit Hours)
EDEI 8025 - Advanced Quantitative Data Analysis in Education (3 Credit Hours)
or EDEI 8026 - Advanced Qualitative Data Analysis in Education (3 Credit Hours)

Dissertation in Practice Courses: 15 Hours

EDEI 8998 - Educational Innovation Dissertation in Practice Preparation (1 to 6 Credit Hours) *(taken for 3 credit hours)*
EDEI 8999 - Educational Innovation Dissertation in Practice (1 to 6 Credit Hours) *(taken for 6 credit hours)*
EDEI 8999 - Educational Innovation Dissertation in Practice (1 to 6 Credit Hours) *(taken again for 6 credit hours)*

Degree Total: 55 Hours

Doctor of Education in Educational Innovation with a Concentration in Educational Leadership

Program Overview

The doctoral program in educational innovation is designed for practitioners who work in varied educational settings. There are two concentration areas: 1) Curriculum and Instruction, and 2) Educational Leadership. The degree program prepares educators to lead effectively in the teaching and learning environment, to advocate for solutions to problems, to foster innovation, and to be responsive to the evolving expectations placed upon educational systems. Based on the Carnegie Project on the Educational Doctorate (CPED) principles, the 55-hour program of study includes 19 hours of core coursework, 9 hours in a concentration of choice (see list of 21 concentrations available for the Teaching and Curriculum concentration), 12 hours in research, and 15 hours of capstone/dissertation in practice.

Students progress through the program as a cohort, and courses in the Curriculum and Instruction concentration are taught face-to-face using an executive model over six weekends each semester. Starting in Spring 2026, students entering the Educational Leadership concentration, the program will be delivered online via asynchronous instruction.

augusta.edu/education/research-counseling-curriculum

Program Contact

Dr. Darla Linville
706-737-1497
coegs@augusta.edu

Admissions Information

This program has a secondary admissions process. For information on admissions requirements, visit The Graduate School website at augusta.edu/gradschool.

Progression and Graduation Requirements

- Students in the Doctor of Education degree program must meet all academic standards of the College of Education and Human Development and The Graduate School, to include a requirement to maintain a minimum GPA of 3.0 each semester and overall. A minimum grade of B (or satisfactory in courses graded S and U) must be earned for each course applying toward the EdD.
- Students whose semester or cumulative GPA falls below a 3.0 will be placed on academic probation. While on academic probation students must maintain at least a 3.0 GPA each semester. The student will have two consecutive enrolled semesters to re-establish a cumulative 3.0 GPA. Any student making less than a 3.0 GPA for more than one semester, consecutive or otherwise, will automatically be dismissed.
- Student's earning a "U" or "C" in any course will be required to repeat the course and/or participate in faculty-designed remediation. Remediation plan may include enrolling in and satisfactorily completing an Independent Study. Failure to remediate the academic probation can result in dismissal from the program.
- Any student who earns a "C" and/or "U" in more than one course during their enrollment will be considered for dismissal. Students who earn a "D" or "F" in any course of the Ed.D. are automatically dismissed from the college. When circumstances are warranted, a student being considered for dismissal under this policy may be permitted to continue as a student on probation upon the recommendation of the academic program director and approval of the Dean.
- Any student dismissed from the College of Education and Human Development/The Graduate School may appeal the action in accordance with the Augusta University policy.

Program Information

Program Length: 3 Years

CIP Code: 13.0601
 Program Code: 1EDD-EDEI
 Major Code: EDIN-Educational Innovation
 Campus Code: AUO, MAIN

Degree Requirements

Core Courses: 19 Hours

EDEI 8000 - Introduction to Scholarly Practitioner Learning Communities (1 Credit Hour)
 EDEI 8001 - Equity and Social Justice (3 Credit Hours)
 EDEI 8160 - Curriculum Theory (3 Credit Hours)
 EDEI 8162 - Advanced Principles of Pedagogy and Learning (3 Credit Hours)
 EDEI 8163 - Seminar in Place-Based Education (3 Credit Hours)
 EDEI 8460 - Leadership and Interpersonal Dynamics (3 Credit Hours)
 EDEI 8461 - Educational Change (3 Credit Hours)

Concentration Courses: 9 Hours

EDEI 8420 - Economics of Public Education (3 Credit Hours)
 EDEI 8430 - Philanthropic Development for Leading Innovation (3 Credit Hours)
 EDEI 8450 - Leading Innovations in Teaching and Learning (3 Credit Hours)

Research Courses: 12 Hours

EDEI 8020 - Advanced Educational Research Design (3 Credit Hours)
 EDEI 8021 - Advanced Practice in Applied Quantitative Research (3 Credit Hours)
 EDEI 8022 - Advanced Practice in Applied Qualitative Research (3 Credit Hours)
 EDEI 8025 - Advanced Quantitative Data Analysis in Education (3 Credit Hours)
 or EDEI 8026 - Advanced Qualitative Data Analysis in Education (3 Credit Hours)

Dissertation in Practice Courses: 15 Hours

EDEI 8998 - Educational Innovation Dissertation in Practice Preparation (1 to 6 Credit Hours) *(taken for 3 credit hours)*
 EDEI 8999 - Educational Innovation Dissertation in Practice (1 to 6 Credit Hours) *(taken for 6 credit hours)*
 EDEI 8999 - Educational Innovation Dissertation in Practice (1 to 6 Credit Hours) *(taken again for 6 credit hours)*

Degree Total: 55 Hours

Doctor of Nursing Practice

Doctor of Nursing Practice - Post Master's Traditional Program Overview

This program educates advanced nurse clinicians for expert practice in leadership and clinical roles. This doctoral-level education provides the clinical and management expertise to improve health care outcomes. The program enables nurses to become expert nurse leaders and collaborators in solving health care problems in systems. Students may attend full-time or part-time, allowing the opportunity to work while attending school. The program is approved by the Georgia Board of Regents as a web-based program with one to two Augusta campus visits.

augusta.edu/nursing/dnp/pm.php

Program Contact

Concentration Coordinator: Dr. Priscilla Hartley
Program Manager: Debbie Weaver
706-446-3129
dnp@augusta.edu

Program Accreditation

This program is fully accredited by the Commission on Collegiate Nursing Education (CCNE).

Program Information

Program Length: 16 Months, Full Time Study
CIP Code: 51.3808
Program Code: DNP_DNP

Degree Requirements

MINF 6620 - Management of Information Technology (3 Credit Hours)
NURS 7150 - Evidence-Based Practice: Principles and Process (2 Credit Hours)
NURS 7257 - Health Care Management (3 Credit Hours)
NURS 7475 - Population Health and Emerging Disease (2 Credit Hours)
NURS 8250 - Health Care Policy: Implications for the Advanced Practice Nurse (2 Credit Hours)
NURS 8251 - Advanced Scientific Inquiry in Clinical Practice (3 Credit Hours)
NURS 8550 - Evidence-Based Practice: Translation and Application (3 Credit Hours)
NURS 8551 - Complex Issues in Health Care Delivery (2 Credit Hours)
NURS 9050 - Strategies for Effective Practice Change (2 Credit Hours)
NURS 9051 - DNP Project Inquiry and Change (1 to 8 Credit Hours)
STAT 6300 - Introduction to Epidemiology and Biostatistics (3 Credit Hours)

Degree Total: 37 Hours

Clinical/Lab Total: 524 Hours

Doctor of Nursing Practice - Post-Master's Nurse Executive Track

Program Overview

The Nurse Executive Doctor of Nursing Practice (DNP) program prepares advanced nurse leaders, as well as aspiring nurse leaders, for expert practice in leadership in a large health care system, public health departments, or rural health practice. The program provides the student with requisite skills and competencies related to executive leadership, strategic planning, business acumen, collaboration, while navigating the pressures of today's competitive local and global health care environments. Entry to the program requires a master's degree in nursing or another approved health-related field. The program is approved by the Georgia Board of Regents as a web-based program with one or two required visits.

augusta.edu/nursing/dnp/nep.php

Program Contact

Concentration Coordinator: Dr. Holly Brown
Program Contact: Debbie Weaver
706-446-3129
dnp@augusta.edu

Program Information

Program Length: 16 Months, Full Time Study

CIP Code: 51.3808

Program Code: DNP_DNP

Degree Requirements: 37 Hours

MGMT 6510 - Managerial Leadership: Professional and Personal Development (3 Credit Hours)

MINF 6620 - Management of Information Technology (3 Credit Hours)

NURS 7150 - Evidence-Based Practice: Principles and Process (2 Credit Hours)

NURS 8250 - Health Care Policy: Implications for the Advanced Practice Nurse (2 Credit Hours)

NURS 8550 - Evidence-Based Practice: Translation and Application (3 Credit Hours)

NURS 8663 - Strategic Planning and Marketing in Health Care (2 Credit Hours)

NURS 8662 - Quality Improvement and Risk Management: Initiatives and Strategies for the Nurse Executive (2 Credit Hours)

NURS 8661 - Health Care Finance and Economics for the Nurse Executive (3 Credit Hours)

NURS 9050 - Strategies for Effective Practice Change (2 Credit Hours)

NURS 9052 - Practice Inquiry and Change (Nurse Executive Track) (1 to 8 Credit Hours) *

STAT 6300 - Introduction to Epidemiology and Biostatistics (3 Credit Hours)

**Hours can be added to any semester program of study to obtain the 1000 practice hours required for the DNP.*

Total Clinical/Lab Hours: 508 Hours

Degree Total: 37 Hours

Doctor of Nursing Practice with a Concentration in Adult Gerontology Acute Care Nurse Practitioner Program Overview

The DNP-Adult Gerontology Acute Care Nurse Practitioner (DNP-AGACNP) concentration offers education to become board-eligible as an Adult Geriatric Acute Care Nurse Practitioner (AGACNP). This concentration prepares nurses to provide advanced patient-family centered care in settings with acute and/or chronically ill patients across the adult lifespan. Committed to addressing the health care needs of adults who are acutely and critically ill, this program is designed to prepare nurses to provide the "5 Cs": coordinated care, collaborative care, comprehensive care, consistent care, and cost-effective care. Full-time and part-time schedules are available. The program is approved by the Georgia Board of Regents as a web-based program with greater than 50 percent of the program taught online. Cohort locations are on our Augusta and Athens campuses.

augusta.edu/nursing/dnp/agacnp

Program Accreditation

The program is fully accredited by the Commission on Collegiate Nursing Education (CCNE). Graduates are prepared to meet the eligibility requirements for the certification exam offered by the American Nurses Credentialing Center and the American Association of Critical Care Nurses.

Program Contact

Program Contact: Debbie Weaver

Concentration Coordinator: Dr. James Brinson

706-446-3129

dnp@augusta.edu

Admissions Information

Prerequisite: Applicants must have completed a 3-credit hour undergraduate or graduate statistics or biostatistics course with a grade of B or higher.

Program Information

Program Length: 3 Years Full-Time or 4 Years Part-Time

CIP Code: 51.3808

Program Code: DNP_DNP

Degree Requirements

Major Courses: 55 Hours

MINF 6620 - Management of Information Technology (3 Credit Hours)

NURS 7150 - Evidence-Based Practice: Principles and Process (2 Credit Hours)

NURS 7251 - Advanced Psychopharmacology (2 Credit Hours)

NURS 7257 - Health Care Management (3 Credit Hours)

NURS 7425 - Advanced Pathophysiology (4 Credit Hours)

NURS 7450 - Advanced Practice Nursing Roles in Society (3 Credit Hours)

NURS 7430 - Pharmacology for Advanced Practice Nurses (3 Credit Hours)

NURS 7460 - Diagnostic and Clinical Reasoning for Advanced Practice Nurses (3 Credit Hours)

NURS 7470 - Advanced Health Assessment (3 Credit Hours)

NURS 7475 - Population Health and Emerging Disease (2 Credit Hours)

NURS 7550 - Leadership in Interprofessional Collaboration and Health Care (2 Credit Hours)

NURS 8250 - Health Care Policy: Implications for the Advanced Practice Nurse (2 Credit Hours)

NURS 8550 - Evidence-Based Practice: Translation and Application (3 Credit Hours)

NURS 8551 - Complex Issues in Health Care Delivery (2 Credit Hours)

NURS 9050 - Strategies for Effective Practice Change (2 Credit Hours)

NURS 9051 - DNP Project Inquiry and Change (1 to 8 Credit Hours) *(taken for a total of 8 Credit Hours)*

NURS 9191 - APRN Practice Synthesis (1 Credit Hour)

NURS 9192 - Advanced Practice Nursing Program Practicum - for DNP Program (4 Credit Hours)

STAT 6300 - Introduction to Epidemiology and Biostatistics (3 Credit Hours)

Concentration Courses: 21 Hours

NURS 8331 - Adult Gerontology ACNP I: Health Promotion and Management of Chronic Disease in the Adult and Older Adult (3 Credit Hours)

NURS 8332 - Adult Gerontology ACNP Practice I: for the DNP Program (4 Credit Hours)

NURS 8334 - Adult Gerontology ACNP II: Evidence-Based Management for Urgent and Emergent Health Problems in Adult (3 Credit Hours)

NURS 8335 - Adult Gerontology ACNP Practice II: for the DNP Program (4 Credit Hours)

NURS 8337 - Adult Gerontology ACNP III: Advanced Concepts in Complex Illness (3 Credit Hours)

NURS 8338 - Adult Gerontology ACNP Practice III: for the DNP Program (4 Credit Hours)

Clinical Hours Total: 1216 Hours

Degree Total: 76 Hours

Doctor of Nursing Practice with a Concentration in Family Nurse Practitioner

Program Overview

The Doctor of Nursing Practice with a concentration in Family Nurse Practitioner (DNP-FNP) program educates advanced nurse clinicians for expert practice in leadership and clinical roles with focus on care of families throughout the lifespan for their preventive and primary health care needs. This doctoral-level education provides the clinical, policy, leadership expertise to improve health care outcomes. The

program enables nurses to become expert nurse leaders and collaborators in solving health care problems in systems. Full-time and part-time schedules are available. The program is approved by the Georgia Board of Regents as a web-based program with greater than 50 percent of the program taught online. Cohort locations are on our Augusta and Athens campuses.

augusta.edu/nursing/dnp/fnp

Program Accreditation

This program is fully accredited by the Commission on Collegiate Nursing Education (CCNE). Graduates are prepared to meet the eligibility requirements for the certification exam offered by the American Nurses Credentialing Center, as well as the American Academy of Nurse Practitioners.

Program Contact

Concentration Coordinator: Dr. Tamara Coleman

Program Contact: Debbie Weaver

706-446-3129

dnp@augusta.edu

Admissions Information

Prerequisite: Applicants must have completed a 3-credit hour undergraduate or graduate statistics or biostatistics course with a grade of B or higher.

Program Information

Program Length: 3 Years Full-Time or 4 Years Part-Time

CIP Code: 51.3808

Program Code: DNP_DNP

Degree Requirements

Major Courses: 55 Hours

MINF 6620 - Management of Information Technology (3 Credit Hours)

NURS 7150 - Evidence-Based Practice: Principles and Process (2 Credit Hours)

NURS 7251 - Advanced Psychopharmacology (2 Credit Hours)

NURS 7257 - Health Care Management (3 Credit Hours)

NURS 7425 - Advanced Pathophysiology (4 Credit Hours)

NURS 7470 - Advanced Health Assessment (3 Credit Hours)

NURS 7475 - Population Health and Emerging Disease (2 Credit Hours)

NURS 7550 - Leadership in Interprofessional Collaboration and Health Care (2 Credit Hours)

NURS 7430 - Pharmacology for Advanced Practice Nurses (3 Credit Hours)

NURS 7450 - Advanced Practice Nursing Roles in Society (3 Credit Hours)

NURS 7460 - Diagnostic and Clinical Reasoning for Advanced Practice Nurses (3 Credit Hours)

NURS 8250 - Health Care Policy: Implications for the Advanced Practice Nurse (2 Credit Hours)

NURS 8314 - FNP II: Health Promotion and Primary Care of Children (3 Credit Hours)

NURS 8550 - Evidence-Based Practice: Translation and Application (3 Credit Hours)

NURS 8551 - Complex Issues in Health Care Delivery (2 Credit Hours)

NURS 9050 - Strategies for Effective Practice Change (2 Credit Hours)

NURS 9051 - DNP Project Inquiry and Change (1 to 8 Credit Hours) *(taken for a total of 8 Credit Hours)*

NURS 9191 - APRN Practice Synthesis (1 Credit Hour)

NURS 9192 - Advanced Practice Nursing Program Practicum - for DNP Program (4 Credit Hours)

STAT 6300 - Introduction to Epidemiology and Biostatistics (3 Credit Hours)

Concentration Courses: 22 Hours

NURS 7465 - Advanced Studies in Lifespan Development (2 Credit Hours)

NURS 8311 - FNP I: Health Promotion and Primary Care of the Adult (3 Credit Hours)

NURS 8312 - FNP Practice I: for the DNP Program (4 Credit Hours)
NURS 8314 - FNP II: Health Promotion and Primary Care of Children (3 Credit Hours)
NURS 8315 - FNP Practice II: for DNP Program (3 Credit Hours)
NURS 8317 - FNP III: Health Promotion and Primary Care of the Older Adult (3 Credit Hours)
NURS 8318 - FNP Practice III: for the DNP Program (4 Credit Hours)

Degree Total: 77 Hours

Clinical Hours Total: 1183 Hours

Doctor of Nursing Practice with a Concentration in Nursing Anesthesia

Program Overview

The DNP-Nursing Anesthesia program educates advanced nurse clinicians for expert practice in leadership and clinical roles with focus on care of patients during anesthesia. This doctoral-level education provides the clinical, policy, leadership expertise to improve health care outcomes. The program enables nurses to become expert nurse leaders and collaborators in solving health care problems in systems. Students administer sedation, regional and general anesthesia to pediatric and adult patients for a wide variety of surgical specialties including general surgery, orthopedics, otolaryngology, obstetrics, thoracic, vascular, cardiac and neurology. Students administer on average more than 800 anesthetics over at least 2,000 clinical hours. Graduates are eligible for the National Certification Examination required to practice as a nurse anesthetist. The program has a 100% overall national certification pass rate and over 90% first-time-taken pass rate.

augusta.edu/nursing/programs/dnp/nap

Program Accreditation

The Doctor of Nursing Practice programs are fully accredited by the Commission on Collegiate Nursing Education.

Program Contact

Nicole Murdaugh
706-721-9558
nursinganes@augusta.edu

Program Information

Program Length: 3 Years
CIP Code: 51.3808
Program Code: DNP_DNP

Degree Requirements: 112 Hours

MINF 6620 - Management of Information Technology (3 Credit Hours)
NURS 7150 - Evidence-Based Practice: Principles and Process (2 Credit Hours)
NURS 7257 - Health Care Management (3 Credit Hours)
NURS 7470 - Advanced Health Assessment (3 Credit Hours)
NURS 7475 - Population Health and Emerging Disease (2 Credit Hours)
NURS 7550 - Leadership in Interprofessional Collaboration and Health Care (2 Credit Hours)
NURS 7830 - Advanced Anatomy and Physiology for Nursing Anesthesia (4 Credit Hours)
NURS 7831 - Advanced Pharmacology for Nursing Anesthesia I (3 Credit Hours)
NURS 7832 - Clinical Chemistry and Physics for Nursing Anesthesia Practice (2 Credit Hours)
NURS 7833 - Advanced Pathophysiology for Nursing Anesthesia (3 Credit Hours)
NURS 7834 - Basic Principles of Nursing Anesthesia (4 Credit Hours)

NURS 7835 - Advanced Principles of Nursing Anesthesia I (4 Credit Hours)
NURS 7836 - Techniques and Technologies in Nursing Anesthesia I (4 Credit Hours)
NURS 7837 - Nursing Anesthesia Clinical Practicum I (8 Credit Hours)
NURS 8250 - Health Care Policy: Implications for the Advanced Practice Nurse (2 Credit Hours)
NURS 8360 - Advanced Pharmacology for Nursing Anesthesia II (3 Credit Hours)
NURS 8361 - Advanced Principles of Nursing Anesthesia II (4 Credit Hours)
NURS 8362 - Techniques and Technologies in Nursing Anesthesia II (4 Credit Hours)
NURS 8363 - Nursing Anesthesia Clinical Practicum II (10 Credit Hours)
NURS 8550 - Evidence-Based Practice: Translation and Application (3 Credit Hours)
NURS 8551 - Complex Issues in Health Care Delivery (2 Credit Hours)
NURS 9050 - Strategies for Effective Practice Change (2 Credit Hours)
NURS 9051 - DNP Project Inquiry and Change (1 to 8 Credit Hours)
NURS 9194 - Rural Anesthesia Perspectives Practicum (3 Credit Hours)
NURS 9195 - Nursing Anesthesia Specialty Practicum I (8 Credit Hours)
NURS 9196 - Nursing Anesthesia Specialty Practicum II (10 Credit Hours)
NURS 9197 - Nursing Anesthesiology Synthesis Course I (1 Credit Hour)
NURS 9198 - Nursing Anesthesiology Synthesis Course II (1 Credit Hour)
NURS 9199 - Nursing Anesthesiology Synthesis III (1 Credit Hour)
STAT 6300 - Introduction to Epidemiology and Biostatistics (3 Credit Hours)

Degree Total: 112 Hours

Doctor of Nursing Practice with a Concentration in Pediatric Nurse Practitioner

Program Overview

The DNP-PNP concentration educates advanced nurse clinicians for expert practice in leadership and clinical roles with focus on the primary health care of children from the age range of birth through young adult. This doctoral-level education provides the clinical policy, and leadership expertise to improve child and family health care outcomes. The program enables nurses to become expert nurse leaders and collaborators in solving health care problems in systems. Full-time and part-time schedules are available. The program is approved by the Georgia Board of Regents as a web-based program with greater than 50 percent of the program taught online. Cohort locations are on our Augusta and Athens campuses.

augusta.edu/nursing/dnp/pnp

Program Accreditation

This program is fully accredited by the Commission on Collegiate Nursing Education (CCNE). Graduates are eligible to meet requirements for national board certification by the American Nurses Credentialing Center and the Pediatric Nursing Certification Board.

Program Contact

Concentration Coordinator: Dr. Beth Fisher
Program Contact: Debbie Weaver
706-446-3129
dnp@augusta.edu

Admissions Requirements

Prerequisite: Applicants must have completed a 3 credit hour undergraduate or graduate statistics or biostatistics course with a grade of B or higher.

Program Information

Program Length: 3 Years Full-Time or 4 Years Part-Time

CIP Code: 51.3808

Program Code: DNP_DNP

Degree Requirements

Major Courses: 55 Hours

MINF 6620 - Management of Information Technology (3 Credit Hours)
 NURS 7150 - Evidence-Based Practice: Principles and Process (2 Credit Hours)
 NURS 7251 - Advanced Psychopharmacology (2 Credit Hours)
 NURS 7257 - Health Care Management (3 Credit Hours)
 NURS 7425 - Advanced Pathophysiology (4 Credit Hours)
 NURS 7430 - Pharmacology for Advanced Practice Nurses (3 Credit Hours)
 NURS 7450 - Advanced Practice Nursing Roles in Society (3 Credit Hours)
 NURS 7460 - Diagnostic and Clinical Reasoning for Advanced Practice Nurses (3 Credit Hours)
 NURS 7470 - Advanced Health Assessment (3 Credit Hours)
 NURS 7475 - Population Health and Emerging Disease (2 Credit Hours)
 NURS 7550 - Leadership in Interprofessional Collaboration and Health Care (2 Credit Hours)
 NURS 8250 - Health Care Policy: Implications for the Advanced Practice Nurse (2 Credit Hours)
 NURS 8550 - Evidence-Based Practice: Translation and Application (3 Credit Hours)
 NURS 8551 - Complex Issues in Health Care Delivery (2 Credit Hours)
 NURS 9050 - Strategies for Effective Practice Change (2 Credit Hours)
 NURS 9051 - DNP Project Inquiry and Change (1 to 8 Credit Hours) *(taken for a total of 8 Credit Hours)*
 NURS 9191 - APRN Practice Synthesis (1 Credit Hour)
 NURS 9192 - Advanced Practice Nursing Program Practicum - for DNP Program (4 Credit Hours)
 STAT 6300 - Introduction to Epidemiology and Biostatistics (3 Credit Hours)

Concentration Courses: 22 Hours

NURS 7465 - Advanced Studies in Lifespan Development (2 Credit Hours)
 NURS 8321 - PNP I: Health Promotion and Supervision: Birth through Adolescence (3 Credit Hours)
 NURS 8322 - PNP Practice I: for the DNP Program (4 Credit Hours)
 NURS 8324 - PNP II: Management of Acute and Common Health Problems of Children from Birth through Adolescence (3 Credit Hours)
 NURS 8325 - PNP Practice II: for the DNP Program (3 Credit Hours)
 NURS 8327 - PNP III: Management of Chronic Health Problems of Children from Birth through Adolescence (3 Credit Hours)
 NURS 8328 - PNP Practice III: for the DNP Program (4 Credit Hours)

Degree Total: 77 Hours

Clinical Hours Total: 1183 Hours

Doctor of Nursing Practice with a Concentration in Psychiatric Mental Health Nurse Practitioner

Program Overview

The DNP-PMHNP concentration prepares advanced nurse clinicians to provide psychiatric and mental healthcare to clients, families, and communities. Coursework emphasizes the care of adult, pediatric, and geriatric patients and their families. The doctoral-level education provides the clinical and management expertise to improve health care outcomes. The program enables nurses to become expert nurse leaders and collaborators in solving health care problems in systems. Full-time and part-time schedules are available. The program is approved by the Georgia Board of Regents as a web-based program with greater than 50 percent of the program taught online. Cohort locations are on our Augusta and Athens campuses.

augusta.edu/nursing/dnp/pmhnp

Program Accreditation

This program is fully accredited by the Commission on Collegiate Nursing Education (CCNE). Graduates are prepared to meet the eligibility requirements for the certification exam offered by the American Nurses Credentialing Center, as well as the American Academy of Nurse Practitioners.

Program Contact

Concentration Coordinator: Dr. Caroline McKinnon

Program Contact: Debbie Weaver

706-446-3129

dnp@augusta.edu

Admissions Requirements

Prerequisite: Applicants must have completed a 3-credit hour undergraduate or graduate statistics or biostatistics course with a grade of B or higher.

Program Information

Program Length: 3 Years Full-Time or 4 Years Part-Time

CIP Code: 51.3808

Program Code: DNP_DNP

Degree Requirements

Major Courses: 55 Hours

MINF 6620 - Management of Information Technology (3 Credit Hours)

NURS 7150 - Evidence-Based Practice: Principles and Process (2 Credit Hours)

NURS 7251 - Advanced Psychopharmacology (2 Credit Hours)

NURS 7257 - Health Care Management (3 Credit Hours)

NURS 7425 - Advanced Pathophysiology (4 Credit Hours)

NURS 7430 - Pharmacology for Advanced Practice Nurses (3 Credit Hours)

NURS 7450 - Advanced Practice Nursing Roles in Society (3 Credit Hours)

NURS 7460 - Diagnostic and Clinical Reasoning for Advanced Practice Nurses (3 Credit Hours)

NURS 7470 - Advanced Health Assessment (3 Credit Hours)

NURS 7475 - Population Health and Emerging Disease (2 Credit Hours)

NURS 7550 - Leadership in Interprofessional Collaboration and Health Care (2 Credit Hours)

NURS 8250 - Health Care Policy: Implications for the Advanced Practice Nurse (2 Credit Hours)

NURS 8550 - Evidence-Based Practice: Translation and Application (3 Credit Hours)

NURS 8551 - Complex Issues in Health Care Delivery (2 Credit Hours)

NURS 9050 - Strategies for Effective Practice Change (2 Credit Hours)

NURS 9051 - DNP Project Inquiry and Change (1 to 8 Credit Hours) *(taken for a total of 8 Credit Hours)*

NURS 9191 - APRN Practice Synthesis (1 Credit Hour)

NURS 9192 - Advanced Practice Nursing Program Practicum - for DNP Program (4 Credit Hours)

STAT 6300 - Introduction to Epidemiology and Biostatistics (3 Credit Hours)

Concentration Courses: 22 Hours

NURS 7465 - Advanced Studies in Lifespan Development (2 Credit Hours)

NURS 8340 - Theoretical Foundations for Advanced Practice Psychiatric Mental Health Nursing Across the Lifespan (3 Credit Hours)

NURS 8341 - Advanced Psychiatric Mental Health Nursing for Individuals Across the Lifespan (3 Credit Hours)

NURS 8342 - PMHNP Practice I: for the DNP Program (4 Credit Hours)

NURS 8344 - Advanced Psychiatric Mental Health Nursing for Families and Groups Across the Lifespan (3 Credit Hours)

NURS 8345 - PMHNP Practice II: for the DNP Program (3 Credit Hours)
NURS 8348 - PMHNP Practice III: for the DNP Program (4 Credit Hours)

Degree Total: 77 Hours
Clinical Hours Total: 1183 Hours

Doctor of Philosophy

Doctor of Philosophy in Applied Health Sciences Program Overview

A PhD degree in Applied Health Sciences is an advanced research-focused program of study that examines various aspects of population health, emphasizing interdisciplinary approaches. The degree is designed for individuals seeking to deepen their understanding of public health and health services research (HSR) through advanced coursework, rigorous research, and the completion of a doctoral dissertation.

HSR studies the end results of public health interventions and health services, to identify the most effective programs, policies, and interventions to improve the health of individual patients and populations. It can also play an important role in identifying disparities among different populations and guiding equitable resource allocation, policy formulation, and intervention strategies.

Key Highlights:

- Offers a strong research methods-oriented, didactic program combined with opportunities to conduct advanced health services research.
- Trains graduates to identify and frame public health and healthcare problems and analyze data from diverse sources, apply appropriate analytic methods, and contribute to the population health improvements in various settings.
- Equips students with the skills and knowledge needed to conduct rigorous original research and contribute to the advancement of health services research.
- Prepares doctoral students to make meaningful contributions to population health improvement through original research, critical analysis, and the application of their expertise in various professional settings.

augusta.edu/sph

Program Contact

Dr. Vayé Heboyan, Program Director
ahs.phd@augusta.edu

Progression and Graduation Requirements

APHS 9300 must be taken every semester until completion of dissertation (minimum 2 semesters and 18 credits). Dissertation must be completed within three years.

Program Information

Program Length: Minimum 3 years to maximum 7 years
CIP Code: 51.9999
Program Code: DPHIL_AHSC
Major Code: APHS

Degree Requirements

Major Courses: 36 Hours

APHS 8012 - Scientific Communication and Commercialization (1 Credit Hour)
 APHS 8130 - Grant Writing (3 Credit Hours)
 APHS 8503 - Research Process (4 Credit Hours)
 APHS 9010 - Doctoral Seminar - Research in Public Health (1 Credit Hour)
 APHS 9020 - Qualitative Research Methods (3 Credit Hours)
 APHS 9030 - Methods in Health Outcomes Research (3 Credit Hours)
 APHS 9040 - Methods in Health Services Research (3 Credit Hours)
 EPID 7130 - Introduction to Epidemiology (3 Credit Hours)
 EPID 7370 - Intermediate Epidemiology (3 Credit Hours)
 MPHC 8011 - Ethical Conduct in Research (1 Credit Hour)
 MPHS 8300 - Social Determinants of Health and Health Disparities (3 Credit Hours)
 STAT 7010 - Biostatistics I (3 Credit Hours)
 STAT 7020 - Biostatistics II (3 Credit Hours)

Electives: 12 Hours

Select 12 hours from the following:

APHS 7001 - Learning Theories in Health Professions Education (2 Credit Hours)
 APHS 7002 - Determining Learning Objectives and Competencies in Health Professions Education (1 Credit Hour)
 APHS 7003 - Assessment Methods in Health Professions Education (1 Credit Hour)
 APHS 7120 - Interprofessional Education and Practice (2 Credit Hours)
 APHS 9001 - Advanced Topics (2 to 5 Credit Hours) *(taken for 3 credit hours)*
 MPHC 8600 - Fundamentals of Health Promotion (3 Credit Hours)
 MPHS 8200 - Integration Social and Behavioral Theory into Public Health (3 Credit Hours)
 MPHS 8400 - Social Behavioral Change at Individual, Household, and Community Levels (3 Credit Hours)
 STAT 7260 - Design Analysis and Observational Studies (3 Credit Hours)
 STAT 7360 - Systematic Reviews (3 Credit Hours)

Other Requirements: 24 Hours

APHS 9210 - Investigation of a Problem (1 to 12 Credit Hours) *(6-18 Hours required)*
 APHS 9300 - Dissertation Research (1 to 9 Credit Hours) *(minimum 18 Hours required*)*

**APHS 9300 must be taken every semester until completion of dissertation (minimum 2 semesters and minimum 18 credits).*

Degree Total: 72 Hours

Doctor of Philosophy in Biochemistry and Cancer Biology

Program Overview

Biochemistry and Cancer Biology is a large and rapidly growing biomedical science program in The Graduate School. The core curriculum trains students to be competitive internationally by providing broad scientific expertise, and excellence in grantsmanship, communication and professionalism. The program is integrated with the Georgia Cancer Center, so that students engaged in cancer-related projects will participate in cutting-edge training that will prepare them to be world class cancer investigators.

augusta.edu/gradschool/biomed/phd-bcb
augusta.edu/mcg/bmb/bmb-bgm

Program Contact

Darren Browning, PhD

Bal Lokeshwar, PhD

706-721-3278

bcbprogram@augusta.edu

Progression and Graduation Requirements

Students are admitted via a common admissions process to the Biomedical Sciences PhD program, not to a specific biomedical major. After completing the first-year common core coursework and laboratory rotations, students choose a dissertation research mentor and enter one of nine Doctor of Philosophy majors.

The Doctor of Philosophy curriculum is not lock-step; students do not graduate as a class at the end of a specific semester. The average time to degree is approximately 5 years of full-time, year-round study; acceptable duration of the program is a minimum of 3 and maximum of 7 years. The number and type of advanced (2nd year and beyond) or elective courses vary, and may include courses within the Biochemistry and Cancer Biology program as well as courses in other disciplines.

In addition to specific course requirements, students must complete additional PhD Degree Requirements, including satisfactory performance on the comprehensive examination, development and approval of a research proposal, writing and approval of the doctoral dissertation, and satisfactory performance on the Final Oral Examination (dissertation defense). See PhD Student Guide for additional requirements and details.

Program Information

Program Length: Maximum of 7 Years

CIP Code: 26.0210

Program Code: DPHIL_BCCB

Degree Requirements

Biomedical Sciences PhD Year One Core Curriculum: 33 Hours

Required Courses: 29 Hours

BIOM 8011 - Responsible Conduct of Research (1 Credit Hour)

BIOM 8012 - Scientific Communications (1 Credit Hour)

BIOM 8021 - Biochemistry and Gene Regulation (5 Credit Hours)

BIOM 8022 - Molecular Cell Biology (5 Credit Hours)

BIOM 8033 - Integrated Systems Biology (6 Credit Hours)

BIOM 8040 - Introduction to Faculty Research (2 Credit Hours)

BIOM 8050 - Introduction to Research I (2 Credit Hours)

BIOM 8060 - Introduction to Research II (4 Credit Hours)

STAT 7070 - Biomedical Statistics (3 Credit Hours)

Electives: 4 Hours

Select four credit hours from the following:

BIOM 8030 - Experimental Therapeutics (2 Credit Hours)

BIOM 8080 - Neuroscience I (4 Credit Hours) (*Required for Neuroscience major*)

BIOM 8085 - Fundamentals of Aging (2 Credit Hours)

BIOM 8090 - Fundamentals of Genomic Medicine (2 Credit Hours) (*Required for Genomic Medicine major*)

BIOM 8200 - Selected Topics (for Partial Course Enrollment) (1 to 6 Credit Hours)

BIOM 8215 - Fundamentals of Oncology I (2 Credit Hours)

BIOM 8230 - Biology of Proteins in Disease (2 Credit Hours)

BIOM 8240 - Introduction to Immunology and Infectious Disease (2 Credit Hours)

Major Courses:

BCMB 8201 - Current Topics and Techniques in Molecular Biology (3 Credit Hours)

BCMB 9010 - Seminar in Biochemistry and Molecular Biology (1 Credit Hour) *(Upon entering the Biochemistry and Cancer Biology major, this course must be taken every Fall and Spring semester until admission to candidacy and dissertation requirements are complete.)*

BCMB 9210 - Investigation of a Problem (1 to 12 Credit Hours) *(Standard enrollment is 12 credit hours per semester. Upon entering the Biochemistry and Cancer Biology major, this course must be taken every semester until admission to candidacy requirements are complete.)*

BCMB 9300 - Research (1 to 12 Credit Hours) *(Standard enrollment is 12 credit hours per semester. Must be taken every semester after admission to candidacy until dissertation requirements are met.)*

Electives: 2 Hours Minimum

BCMB 8310 - Advanced Topics in Microbiology and Infectious Disease I (2 Credit Hours)

BCMB 8320 - Advanced Topics in Microbiology and Infectious Disease II (2 Credit Hours)

BCMB 8340 - Elements of Scientific Presentation (2 Credit Hours)

Upper-level courses in another discipline or biomedical science major not included on the pre-approved elective listing may be taken as an elective with formal, advanced approval from mentor, program director, The Graduate School (and Office of the Registrar) per the official approval and course substitution process and form submission.

Degree Total: 114-252 Hours

Doctor of Philosophy in Biostatistics**Program Overview**

The doctoral program prepares students to understand the mathematical and theoretical basis of statistical methodology; collaborate on the design of research studies in the health sciences; provide advice on the proper collection, entry, storage, retrieval, and manipulation of data; and take primary responsibility for the analysis, interpretation and dissemination of data in a research study using state-of-the-art statistical methods and software. Doctoral students are also prepared to carry out original methodological research in statistics and apply the resulting methodology to health-related research problems.

Doctoral students entering Fall 2021 or after will be placed in one of three pathways to complete their Degree Requirements. Students who enter the program with a BS or MS in fields other than Biostatistics will be placed on Pathway 1. Students on Pathway 1 will be awarded both MS and PhD degrees in Biostatistics after they successfully defend their PhD dissertations. Students who enter the program with an MS in Biostatistics from other institutions will be placed on Pathway 2. Students who enter the program with an MS in Biostatistics from Augusta University will be placed on Pathway 3.

All current Biostatistics doctoral students (entered prior to Fall 2021) who fulfill the requirements of Pathway 1 will also be awarded both MS and PhD degrees in Biostatistics after they successfully defend their PhD dissertations.

augusta.edu/programs/biostatistics-phd

Program Contact

Dr. Santu Ghosh

706-721-0804

gradstudies@augusta.edu

Progression and Graduation Requirements

- The Doctor of Philosophy curriculum is not lock-step; students do not graduate as a class at the end of the specific semester.
- The maximum duration of the program is seven years.
- STAT 9300 must be taken every semester after admission to candidacy until dissertation requirements are met.
- The PhD program is designed to be completed in four to five years. The curriculum for the program includes: (1) formal coursework, (2) preliminary and comprehensive exams, and (3) original research conducted under the supervision of a faculty mentor that leads to a successfully defended dissertation, as specified by the policies of the School of Public Health and The Graduate School.

Program Information

Program Length: Maximum of 7 Years

CIP Code: 26.1102

Program Code: DPHIL_BIO

Degree Requirements (Pathway 1 and Pathway 2)

Major Courses: 40 Hours

BIOM 8011 - Responsible Conduct of Research (1 Credit Hour)
 DATS 7510 - Programming for Data Analysis (3 Credit Hours)
 DATS 8170 - Advanced Computational Methods (3 Credit Hours)
 STAT 7110 - Statistical Models and Methods (3 Credit Hours)
 STAT 7520 - Statistical Theory I (3 Credit Hours)
 STAT 7620 - Statistical Theory II (3 Credit Hours)
 STAT 7630 - Applied Linear Models (3 Credit Hours)
 STAT 7640 - Generalized Linear Models I (3 Credit Hours)
 STAT 7720 - Survival Analysis (3 Credit Hours)
 STAT 7870 - Biostatistical Consulting in Research (3 Credit Hours)
 STAT 9120 - Theory of Linear Models (3 Credit Hours)
 STAT 9140 - Generalized Linear Models II (3 Credit Hours)
 STAT 9220 - Advanced Statistical Inference (3 Credit Hours)
 STAT 9240 - Bayesian Inference (3 Credit Hours)

Concentration Courses: 54 Hours Minimum

STAT 8890 - Readings and Research (1 to 12 Credit Hours) *(taken for 18 hours minimum)*
 STAT 9300 - Dissertation Research (1 to 12 Credit Hours) *(taken for 36 hours minimum)*

Electives: 21 Hours

Select from the following:

DATS 7530 - Computing for Data Science (3 Credit Hours)
 DATS 7760 - Data and Visual Analytics (3 Credit Hours)
 DATS 7860 - Statistical and Machine Learning for Big Data (3 Credit Hours)
 EPID 7130 - Introduction to Epidemiology (3 Credit Hours)
 STAT 7240 - Introduction to Clinical Trials (3 Credit Hours)
 STAT 7260 - Design Analysis and Observational Studies (3 Credit Hours)
 STAT 7350 - Epidemic Investigation (3 Credit Hours)
 STAT 7360 - Systematic Reviews (3 Credit Hours)
 STAT 7370 - Intermediate Epidemiology (3 Credit Hours)
 STAT 7650 - Introduction to Stochastic Processes (3 Credit Hours)
 STAT 7670 - Modern Methods of Multivariate Analysis (3 Credit Hours)
 STAT 7740 - Design and Analysis of Clinical Trials (3 Credit Hours)
 STAT 7750 - Introduction to Genetic Analysis (3 Credit Hours)
 STAT 7850 - Omics Data Analysis (3 Credit Hours)

STAT 7880 - Special Topics (1 to 3 Credit Hours)
 STAT 8150 - Advanced Genomic Data Analysis (3 Credit Hours)
 STAT 8160 - Analysis of Clustered and Correlated Data (3 Credit Hours)
 STAT 8231 - Nonparametric and Robust Statistical Methods (3 Credit Hours)
 STAT 8270 - Computational Genomics and Proteomics (3 Credit Hours)
 STAT 9280 - Advanced Special Topics (1 to 3 Credit Hours)

Degree Total: 115 Hours

Degree Requirements (Pathway 3)

Major Courses: 16 Hours

BIOM 8011 - Responsible Conduct of Research (1 Credit Hour)
 DATS 8170 - Advanced Computational Methods (3 Credit Hours)
 STAT 9120 - Theory of Linear Models (3 Credit Hours)
 STAT 9140 - Generalized Linear Models II (3 Credit Hours)
 STAT 9220 - Advanced Statistical Inference (3 Credit Hours)
 STAT 9240 - Bayesian Inference (3 Credit Hours)

Concentration Courses: 54 Hours Minimum

STAT 8890 - Readings and Research (1 to 12 Credit Hours) *(taken for 18 hours minimum)*
 STAT 9300 - Dissertation Research (1 to 12 Credit Hours) *(taken for 36 hours minimum)*

Electives: 12 Hours

Select from the following:

DATS 7530 - Computing for Data Science (3 Credit Hours)
 DATS 7760 - Data and Visual Analytics (3 Credit Hours)
 DATS 7860 - Statistical and Machine Learning for Big Data (3 Credit Hours)
 EPID 7130 - Introduction to Epidemiology (3 Credit Hours)
 STAT 7240 - Introduction to Clinical Trials (3 Credit Hours)
 STAT 7260 - Design Analysis and Observational Studies (3 Credit Hours)
 STAT 7350 - Epidemic Investigation (3 Credit Hours)
 STAT 7360 - Systematic Reviews (3 Credit Hours)
 STAT 7370 - Intermediate Epidemiology (3 Credit Hours)
 STAT 7650 - Introduction to Stochastic Processes (3 Credit Hours)
 STAT 7670 - Modern Methods of Multivariate Analysis (3 Credit Hours)
 STAT 7740 - Design and Analysis of Clinical Trials (3 Credit Hours)
 STAT 7750 - Introduction to Genetic Analysis (3 Credit Hours)
 STAT 7850 - Omics Data Analysis (3 Credit Hours)
 STAT 7880 - Special Topics (1 to 3 Credit Hours)
 STAT 8150 - Advanced Genomic Data Analysis (3 Credit Hours)
 STAT 8160 - Analysis of Clustered and Correlated Data (3 Credit Hours)
 STAT 8231 - Nonparametric and Robust Statistical Methods (3 Credit Hours)
 STAT 8270 - Computational Genomics and Proteomics (3 Credit Hours)
 STAT 9280 - Advanced Special Topics (1 to 3 Credit Hours)

Degree Total: 82 Hours

Doctor of Philosophy in Cellular Biology and Anatomy

Program Overview

Our graduate program offers excellent research training opportunities in the dynamic field of cell biology. Faculty members are eager to engage energetic pre- and post-doctoral fellows in research that covers a broad spectrum of cell biological research from development through normal processes, disease/degeneration and death. The developmental biologists within our department investigate polarity

and patterning in organisms, while other faculty members study mechanisms of protection, repair and regeneration related to diseases of the kidney, musculoskeletal, breast, and visual systems. A broad array of genetic, molecular, cell biological, and biochemical tools are applied to in vivo and in vitro studies using multiple model systems including rodents, zebrafish, and *Drosophila*. The department has strong collaborative ties with many of the research institutes and centers on campus and offers a rich environment for scientific discovery and dissemination of new knowledge. There are numerous substantive interactions with clinicians offering myriad opportunities for translational research.

augusta.edu/gradstudies/biomed/prospective-students/mcg-phd-cellular-biology-anatomy
[augusta.edu/mcg/cba/gradstudents](mailto:biomed@augusta.edu)

Program Contact

Yutao Liu, MD, PhD

706-721-2015

biomed@augusta.edu

Progression and Graduation Requirements

- Students are admitted via a common admissions process to the Biomedical Sciences PhD program, not to a specific biomedical major. After completing the first-year common core coursework and laboratory rotations, students choose a dissertation research mentor and enter one of nine Doctor of Philosophy majors.
- The Doctor of Philosophy curriculum is not lock-step; students do not graduate as a class at the end of a specific semester. The average time to degree is approximately five years of full-time, year-round study; acceptable duration of the program is a minimum of three and maximum of seven years. The number and type of advanced (2nd year and beyond) or elective courses vary, and may include courses within the Cellular Biology and Anatomy program as well as courses in other disciplines.
- In addition to specific course requirements, students must complete additional PhD Degree Requirements, including annual advisory committee meetings, individual development plans (IDP's) satisfactory performance on the comprehensive examination, development and approval of a research proposal, writing and approval of the doctoral dissertation, and satisfactory performance on the final oral examination (dissertation defense). Publication of at least one first-authored original research article in an approved peer-reviewed journal is required for students entering the CBA Graduate Program in 2016 and beyond. A CBA Program Handbook is available online and updated at least once yearly in August to reflect any changes that have occurred during the academic year. See PhD Student Guide for additional requirements and details.

Program Information

Program Length: Maximum of 7 Years

CIP Code: 26.0407 - Cell Biology and Anatomy

Program Code: DPHIL_CLBA

Degree Requirements

Biomedical Sciences PhD Year One Core Curriculum: 33 Hours

Required Courses: 29 Hours

BIOM 8011 - Responsible Conduct of Research (1 Credit Hour)

BIOM 8012 - Scientific Communications (1 Credit Hour)

BIOM 8021 - Biochemistry and Gene Regulation (5 Credit Hours)

BIOM 8022 - Molecular Cell Biology (5 Credit Hours)

BIOM 8033 - Integrated Systems Biology (6 Credit Hours)

BIOM 8040 - Introduction to Faculty Research (2 Credit Hours)

BIOM 8050 - Introduction to Research I (2 Credit Hours)

BIOM 8060 - Introduction to Research II (4 Credit Hours)

STAT 7070 - Biomedical Statistics (3 Credit Hours)

Electives: 4 Hours

Select four credit hours from the following:

- BIOM 8030 - Experimental Therapeutics (2 Credit Hours)
- BIOM 8080 - Neuroscience I (4 Credit Hours) *(Required for Neuroscience major)*
- BIOM 8085 - Fundamentals of Aging (2 Credit Hours)
- BIOM 8090 - Fundamentals of Genomic Medicine (2 Credit Hours) *(Required for Genomic Medicine major)*
- BIOM 8200 - Selected Topics (for Partial Course Enrollment) (1 to 6 Credit Hours)
- BIOM 8215 - Fundamentals of Oncology I (2 Credit Hours)
- BIOM 8230 - Biology of Proteins in Disease (2 Credit Hours)
- BIOM 8240 - Introduction to Immunology and Infectious Disease (2 Credit Hours)

Major Courses:

- ANAT 8050 - Graduate Histology (5 Credit Hours)
or ANAT 8051 - Histology for Graduate Studies I (3 Credit Hours) and ANAT 8052 - Histology of Graduate Studies II (3 Credit Hours)
- ANAT 8090 - Current Topics in Cellular Biology (1 Credit Hour) *(Upon entering the Cellular Biology and Anatomy major, this course must be taken every Fall and Spring semester until dissertation requirements are complete)*
- ANAT 9010 - Seminar in Cellular Biology and Anatomy (1 Credit Hour) *(Upon entering the Cellular Biology and Anatomy major, this course must be taken every Fall semester until dissertation requirements are complete)*
- ANAT 9020 - Seminar in Cellular Biology and Anatomy (1 Credit Hour) *(Upon entering the Cellular Biology and Anatomy major, this course must be taken every Spring semester until dissertation requirements are complete)*
- ANAT 9210 - Investigation of a Problem (1 to 12 Credit Hours) *(Standard enrollment is 12 credit hours per semester. Upon entering the Cellular Biology and Anatomy major, this course must be taken every semester until admission to candidacy requirements are complete.)*
- ANAT 9300 - Research (1 to 12 Credit Hours) *(Standard enrollment is 12 credit hours per semester. Must be taken every semester after admission to candidacy until dissertation requirements are met.)*

Electives: 3 Hours Minimum

Select three credit hours from the following courses:

- ANAT 7030 - Neuroscience I (3 Credit Hours)
- ANAT 8030 - Fundamentals of Vision Science (3 Credit Hours)
- ANAT 8040 - Current Topics in Vision Science (3 Credit Hours)
- ANAT 8060 - Visual Neuroscience (2 Credit Hours)
- ANAT 8070 - Progress in Vision Research (1 Credit Hour)
- ANAT 8080 - Cellular Mechanisms in Development and Disease (2 Credit Hours)
- ANAT 8120 - Investigative Techniques in Cell Biology (3 Credit Hours)

Upper-level courses in another discipline or biomedical science major not included on the pre-approved elective listing may be taken as an elective with formal, advanced approval from mentor, program director, The Graduate School (and Office of the Registrar) per the official approval and course substitution process and form submission.

Degree Total: 114-252 Hours

Doctor of Philosophy in Computer and Cyber Sciences

Program Overview

The doctoral degree (PhD) in Computer and Cyber Sciences prepares individuals to deeply understand both foundational and applied aspects of the field of computing and cyber sciences. Students are prepared to carry out original research in computer and cyber sciences by learning how the existing state-of-the-art technology is advanced and how new ideas are developed, evaluated, and presented. Students are prepared for research, teaching, and/or advanced development positions in academia, industry, or government.

augusta.edu/ccs/phd-ccs

Program Contact

Dr. Gursimran Walia
706-721-1109
gwalia@augusta.edu

Admissions Information

For information regarding admissions requirements, visit the Office of Academic Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- Coursework meeting the PhD-specific program requirements (breadth classes and electives)
- Passing Research-Project Examination
- Passing Comprehensive Examination
- PhD dissertation proposal as per the guidelines by The Graduate School
- PhD dissertation and its defense as per the guidelines by The Graduate School

Program Information

Program Length: 7 Years
CIP Code: 11.0101
Program Code: 1DPHIL-CSCS
Major Code: CSCS

Degree Requirements

Doctoral students must earn a minimum of 72 credit hours during the course of the program. This is comprised of a minimum of 36 credits for coursework, including breadth classes, introduction to research classes, problems classes, research exposure, and electives, and a minimum of 36 credits for dissertation research. To complete the program, students are required to complete course requirements, pass a research proficiency examination, defend a thesis proposal, and have an approved dissertation.

Breadth Requirements: 18 Hours

Doctoral students are expected to demonstrate competency in Computer and Cyber Sciences by taking courses within at least 3 of the following areas.

- Area A: Theoretical Foundations
- Area B: Computer Systems
- Area C: Applications
- Area D: Cybersecurity
- Area E: Human-Centered Computing

To satisfy the Breadth Requirements, students must take 6 courses totaling 18 credit hours among the 5 areas A-E. Students choose, based on their interests and in consultation with their academic or dissertation advisor. The following rules must be followed:

- 1) Courses must come from at least 3 areas
- 2) Students must take at least 2 courses from 2 areas

Based on these rules, potential course options across areas are 2-2-1-1, 2-2-2, and 3-2-1. Students must complete their breadth requirements in a manner that supports their research emphasis. Their plan (i.e., number of courses they will take in each of the areas) must be approved by the program director and a member of the graduate committee.

To have the courses satisfy the Breadth Requirements, students must receive a grade of B or better in each of the 6 courses and have more A's than B's in the 6 courses. Area courses taken beyond the 6 required Breadth Requirements will be considered electives.

Area A: Courses in Theoretical Foundations

CSCI 7100 - Algorithm Analysis (3 Credit Hours)
 CSCI 7300 - Programming Languages (3 Credit Hours)
 CSCI 7350 - Network & Distributed Algorithms (3 Credit Hours)
 CSCI 7500 - Theory of Computation (3 Credit Hours)
 CSCI 7951 - Advanced Topics in Theoretical Foundations (3 Credit Hours)
 CSCI 8250 - Quantum Computing (3 Credit Hours)
 CSCI 8310 - Proof Theory (3 Credit Hours)
 CSCI 8320 - Verification of Software (3 Credit Hours)

Area B: Courses in Computer Systems

CSCI 7110 - Cyber-physical Systems (3 Credit Hours)
 CSCI 7240 - Internet of Things and Embedded Systems (3 Credit Hours)
 CSCI 7410 - Operating Systems (3 Credit Hours)
 CSCI 7580 - Computer Architecture and Parallel Processing (3 Credit Hours)
 CSCI 7585 - High Performance Computing (3 Credit Hours)
 CSCI 7654 - Communication in Networks (3 Credit Hours)
 CSCI 7952 - Advanced Topics in Computer Systems (3 Credit Hours)

Area C: Courses in Applications

CSCI 7150 - Natural Language Processing (3 Credit Hours)
 CSCI 7170 - Applications of Cloud Computing (3 Credit Hours)
 CSCI 7210 - Introduction to Statistical Learning (3 Credit Hours)
 CSCI 7230 - Topics in Optimization (3 Credit Hours)
 CSCI 7340 - Machine Learning (3 Credit Hours)
 CSCI 7420 - Human-Computer Interaction (3 Credit Hours)
 CSCI 7620 - Data Science (3 Credit Hours)
 CSCI 7810 - Information Management (3 Credit Hours)
 CSCI 7953 - Advanced Topics in Applications (3 Credit Hours)

Area D: Courses in Cybersecurity

AIST 7100 - Data Analytics in Cybersecurity (3 Credit Hours)
 AIST 8353 - Human Factors in Information Security (3 Credit Hours)
 CSCI 7130 - Software Engineering (3 Credit Hours)
 CSCI 7440 - Evaluating Cybersecurity (3 Credit Hours)
 CSCI 7520 - Principles of Cryptography (3 Credit Hours)
 CSCI 7954 - Advanced Topics in Cybersecurity (3 Credit Hours)
 CYBR 7100 - Ethical Hacking and Penetration Testing (3 Credit Hours)
 CYBR 7300 - Network Security (3 Credit Hours)
 CYBR 7500 - Cloud and Edge Security (3 Credit Hours)

CYBR 7550 - IoT Security (3 Credit Hours)

Area E: Courses in Human-Centered Computing

AIST 7110 - Qualitative Research Methods in Information Systems (3 Credit Hours)

AIST 7120 - Quantitative Research Methods in Information Systems (3 Credit Hours)

AIST 7130 - Advanced Quantitative Research Methods in Information Systems (3 Credit Hours)

AIST 7140 - Foundational Theories in Information Systems Research (3 Credit Hours)

AIST 7955 - Advanced Topics in Human-Centered Computing (3 Credit Hours)

CSCI 7180 - Advanced Studies in Extended Reality (3 Credit Hours)

Preparation for Research: 3 Hours

In their first semester, all students take one of the following courses in consultation with their advisor. Subsequently, students register for CSCI 8720 under the supervision of a faculty member in the school. Students do not need to have a formal dissertation advisor at this stage.

AIST 6900 - Introduction to Information Security Research (3 Credit Hours)

CSCI 6900 - Introduction to Research (3 Credit Hours)

Problems Course: 3 Hours

CSCI 8720 - Problems in Computer and Cyber Sciences (3 Credit Hours)

Research Exposure: 3 Hours

Students register for the following Research Colloquium course a minimum of three times during the program. This course is a venue to discuss contemporary problems in Computer and Cyber Sciences. While students can take this course more than 3 times during their program, a maximum of 3 credits will count toward the degree requirements.

CSCI 7900 - Research Colloquium (1 Credit Hour)

Area F Electives: 9 Hours

Students take elective coursework adding another 9 credits across the breadth areas. Select from the following:

AIST 8500 - Topics in Behavioral Research (3 Credit Hours)

CSCI 7011 - Studies in Foundations of Computer and Cyber Sciences (3 Credit Hours)

CSCI 7012 - Studies in Applications of Computer and Cyber Sciences (3 Credit Hours)

CSCI 7140 - Side Channel Attacks (3 Credit Hours)

CSCI 7200 - Emerging Sensing Technologies for Biometric Authentication (3 Credit Hours)

CSCI 7950 - Selected Topics (3 Credit Hours)

CSCI 8510 - Independent Study (1 to 3 Credit Hours)

Dissertation: 36 Hours

After students have a formal advisor and have passed the comprehensive exam, they may register for the Dissertation Research course. A minimum of 36 credits of this course need to be completed prior to graduation.

CSCI 8940 - Dissertation Research (1 to 9 Credit Hours)

Degree Total: 72 Hours Minimum

Doctor of Philosophy in Genomic Medicine

Program Overview

The Genomic Medicine program provides an interdisciplinary and state-of-the-art research environment for genetic, genomic, proteomic and computational technologies to advance medicine. Faculty research interests cross multiple disciplines, including diabetes, autoimmunity, obesity, computational biology, cancer, and bioinformatics. The core curriculum provides the foundation to address complex biological problems using integrated high-throughput technologies.

augusta.edu/programs/genomic-medicine-phd

augusta.edu/gradstudies/biomed/prospective-students/mcg-phd-genomic-medicine
augusta.edu/centers/cbqm/grad_welcome

Program Contact

Ashok Sharma, PhD
 706-721-3433
biomed@augusta.edu

Progression and Graduation Requirements

Students are admitted via a common admissions process to the Biomedical Sciences PhD program, not to a specific biomedical major. After completing the first-year common core coursework and laboratory rotations, students choose a dissertation research mentor and enter one of nine Doctor of Philosophy majors.

The Doctor of Philosophy curriculum is not lock-step; students do not graduate as a class at the end of a specific semester. The average time to degree is approximately five years of full-time, year-round study; acceptable duration of the program is a minimum of three and maximum of seven years. The number and type of advanced (2nd year and beyond) or elective courses vary, and may include courses within the Genomic Medicine program as well as courses in other disciplines.

In addition to specific course requirements, students must complete additional PhD Degree Requirements, including satisfactory performance on the Comprehensive Examination, development and approval of a research proposal, writing and approval of the doctoral dissertation, and satisfactory performance on the Final Oral Examination (dissertation defense). See PhD Student Guide for additional requirements and details.

Program Information

Program Length: Maximum of 7 Years
 CIP Code: 26.1201
 Program Code: DPHIL_GENO

Degree Requirements

Biomedical Sciences PhD Year One Core Curriculum: 33 Hours

Required Courses: 29 Hours

BIOM 8011 - Responsible Conduct of Research (1 Credit Hour)
 BIOM 8012 - Scientific Communications (1 Credit Hour)
 BIOM 8021 - Biochemistry and Gene Regulation (5 Credit Hours)
 BIOM 8022 - Molecular Cell Biology (5 Credit Hours)
 BIOM 8033 - Integrated Systems Biology (6 Credit Hours)
 BIOM 8040 - Introduction to Faculty Research (2 Credit Hours)
 BIOM 8050 - Introduction to Research I (2 Credit Hours)
 BIOM 8060 - Introduction to Research II (4 Credit Hours)
 STAT 7070 - Biomedical Statistics (3 Credit Hours)

Electives: 4 Hours

Select four credit hours from the following:

- BIOM 8030 - Experimental Therapeutics (2 Credit Hours)
- BIOM 8080 - Neuroscience I (4 Credit Hours) *(Required for Neuroscience major)*
- BIOM 8085 - Fundamentals of Aging (2 Credit Hours)
- BIOM 8090 - Fundamentals of Genomic Medicine (2 Credit Hours) *(Required for Genomic Medicine major)*
- BIOM 8200 - Selected Topics (for Partial Course Enrollment) (1 to 6 Credit Hours)
- BIOM 8215 - Fundamentals of Oncology I (2 Credit Hours)
- BIOM 8230 - Biology of Proteins in Disease (2 Credit Hours)
- BIOM 8240 - Introduction to Immunology and Infectious Disease (2 Credit Hours)

Major Courses:

- GNMD 8050 - Computational Methods in Genomics and Genetics (4 Credit Hours)
- GNMD 8051 - Translational Genomics and Proteomics (3 Credit Hours)
- GNMD 8052 - Functional Genomics and Proteomics Using Animal Models (3 Credit Hours)
- GNMD 8060 - Genomic Medicine Seminar (1 Credit Hour) *(Upon entering the Genomic Medicine major, this course must be taken every Fall and Spring semester until dissertation requirements are complete)*
- GNMD 9210 - Investigation of a Problem in Genomic Medicine (1 to 12 Credit Hours) *(Standard enrollment is 12 credit hours per semester) (Upon entering the Genomic Medicine major, this course must be taken every semester until admission to candidacy requirements are complete)*
- GNMD 9300 - Research in Genomic Medicine (1 to 12 Credit Hours) *(Standard enrollment is 12 credit hours per semester) (Must be taken every semester after admission to candidacy until dissertation requirements are met)*

Electives:

- GNMD 8000 - Genetic Mechanisms of Hereditary Cancer (2 Credit Hours)

Degree Total: 114-252 Hours

Doctor of Philosophy in Intelligence, Defense, and Cybersecurity Policy

Program Overview

This program is an 84-credit-hour degree that focuses on enhancing practical, theoretical, doctrinal, and policy concerning the United States national security apparatus. The coursework is state-of-the-art and is designed to help the intelligence community seek new paths forward in areas such as combatting propaganda, cyberwar and cyberterrorism, influence and social media operations, great power competition, medical intelligence, and traditional coursework in security and national defense strategy and policy. Our curriculum offers extensive core work equipping students with a strong, broad-based understanding of security studies, especially as it pertains to the national security of the United States and its position in the international arena. Courses expose students to U.S. policy documents, military doctrine, and academic literature pertinent to the course of study. Students take two comprehensive exams. All students take a mandatory exam in Security Studies, then students take a comprehensive exam focused on their selected area of focus, choosing from either: Intelligence Studies, National Defense Studies, or Cybersecurity Policy. Eligible students may receive up to 30 credit hours if they have obtained a relevant master's degree before applying to the PhD Program. This will be evaluated on a case-by-case basis by the program director using the institution's transfer equivalency hours policy. Conversely, students are awarded their master's degree (if they have none) after completion of 36 hours of coursework. There is no thesis or capstone requirement for the awarding of a master's degree.

augusta.edu/programs/intelligence-defense-cybersecurity-policy-phd

Program Contact

Dr. Craig Douglas Albert, Program Director
706-737-1710
calbert@augusta.edu

Admissions Information

- An undergraduate degree with a minimum 3.25 GPA or a master's degree in a related field with a minimum 3.25 GPA
 - Students with an eligible master's degree can apply 30 hours toward the PhD coursework, essentially bypassing the first year of core/requirements
 - Students with only a bachelor's degree are expected to complete all 84 hours within the program
- No GRE required
- Three letters of recommendation (academic and military letters are allowed)
- Writing sample

Within your application, using an essay format, you will be prompted to discuss and elaborate in detail on the following questions: 1) Why do you think you are a good fit for a PhD in Intelligence, Defense, and Cybersecurity Policy 2) What are your Career objectives and how will this PhD help obtain them? 3) What skills and tools will you bring to the program in terms of the type of research you want to contribute to the field, and/or what type of practical experience do you bring that would benefit the program and discipline overall? (500 word limit)

For more information regarding admissions requirements, visit the Office of Academic Admissions website at augusta.edu/admissions.

In addition to standard graduate admissions requirements, applicants to this program must meet certain conditions. Because this program's courses are aligned with U.S. national security objectives and doctrines, applicants to the PhD in Intelligence, Defense, and Cybersecurity Policy program must be eligible for and have a reasonable expectation of receiving U.S. Department of Defense (DoD) security clearance to be admitted to the program. Applicants need not possess or apply for DoD security clearance prior to being admitted to the program but must be able to demonstrate that they meet the requirements to receive such a clearance.

DoD requirements to receive security clearance include the following:

- United States Citizenship
- Demonstrated loyalty to the United States
- Demonstration of good character and conduct
- Passing a background check
- Completing a Personal Security Questionnaire (SF-86)
- Undergoing Fingerprinting

Factors that can impact your ability to gain DoD security clearance include, but are not limited to:

- Criminal conduct
- Drug involvement
- Financial considerations
- Use of information technology systems
- Foreign influence
- Alcohol consumption
- Psychological conditions and personal behavior
- Handling protected information

- Dishonorably discharged from the military
- Illegal drug use
- Revocation of prior security clearances
- History of financial difficulties, such as unpaid bills

Progression and Graduation Requirements

- Students must maintain a 3.0 GPA throughout the duration of the program.
- After 24 earned hours (36 without prior hours applied), students must choose a Mentor/Dissertation Advisor and start discussing dissertation plans.
- After 36 hours (48 without prior hours applied), students must complete their prospectus, signed off by the appropriate advisor.
- After 36 hours (48 without prior hours approved), students must have taken their comprehensive exams, which are incorporated within the coursework for SECR 9900. Students take two exams.
- After the above requirements have been completed, students have the dissertation hours and the defense hours to complete the minimum required 84 hours of coursework (assuming no prior credit awarded).
- Students enter official candidacy for the PhD after comps and prospectus have been passed. University regulations then stipulate that students must complete at least two more semesters of research hours before being granted their PhD.

Program Information

- Program Length: 4 Years
- CIP Code: 45.0999 - International Relations and National Security Studies, Other.
- Program Code: DPHIL_IDCP
- Major Code: IDCP
- Campus Code: OLC
- College Code: 03

Degree Requirements

Major Courses: 24 Hours

Required Courses: 9 Hours

SECR 6600 - Research Design and Writing for Intelligence and Security Studies (3 Credit Hours)

SECR 6910 - International Relations Theory (3 Credit Hours)

SECR 6911 - Introduction to Security Studies (3 Credit Hours)

Intelligence Studies Courses: 6 Hours

Select two of the following:

SECR 6411 - Introduction to Intelligence Studies (3 Credit Hours)

SECR 6412 - Intelligence Collection (3 Credit Hours)

SECR 6415 - Intelligence Analysis (3 Credit Hours)

Strategic Cybersecurity Courses: 6 Hours

Select two of the following:

SECR 6980 - Introduction to Cyber Intelligence and Cybersecurity Policy (3 Credit Hours)

SECR 6981 - Cyber Conflict: History and Theory of Cyber War (3 Credit Hours)

SECR 7301 - U.S. Cyber Strategy and Policy (3 Credit Hours)

Methods Courses: 3 Hours

Select one of the following:

SECR 7601 - Introduction to Statistical Analysis for Security Studies (3 Credit Hours)

SECR 7602 - Introduction to Qualitative Methods: Process-Tracing and Case-Study Analysis (3 Credit Hours)

Area Courses: 15 Hours

Select one of the following areas for comprehensive exams. Each student must have 15 hours in their selected area. Students must also take at least one class in the other two areas as well.

Area I: Intelligence Studies

Select from the following:

- SECR 7200 - U.S. Intelligence Theory and Practice (3 Credit Hours)
- SECR 7201 - Intelligence Analysis (3 Credit Hours)
- SECR 7202 - Advanced Intelligence Analysis (3 Credit Hours)
- SECR 7203 - Advanced Intelligence - Theory and Policy (3 Credit Hours)
- SECR 7205 - Social Media Intelligence (3 Credit Hours)
- SECR 7206 - Counterintelligence: Theory and Practice (3 Credit Hours)
- SECR 7208 - Strategic Intelligence (3 Credit Hours)

Area II: National Defense Studies

Select from the following:

- SECR 7101 - U.S. Grand Strategy and Foreign Policy (3 Credit Hours)
- SECR 7102 - Homeland Defense and Security (3 Credit Hours)
- SECR 7103 - International Terrorism (3 Credit Hours)
- SECR 7104 - Domestic Terrorism (3 Credit Hours)
- SECR 7105 - Advanced Counterterrorism Strategies (3 Credit Hours)
- SECR 7106 - International Conflict and Security (3 Credit Hours)
- SECR 7107 - Nationalism and Ethnic Conflict (3 Credit Hours)
- SECR 7108 - Technology, Artificial Intelligence, and International Security (3 Credit Hours)

Area III: Cybersecurity Policy

Select from the following:

- SECR 7300 - Theories of Cyberwar (3 Credit Hours)
- SECR 7301 - U.S. Cyber Strategy and Policy (3 Credit Hours)
- SECR 7302 - Comparative Cyber Policy: NATO (3 Credit Hours)
- SECR 7303 - Comparative Cyber Policy: U.S. Adversaries (3 Credit Hours)
- SECR 7304 - Cyber Intelligence: Policy and Theory (3 Credit Hours)
- SECR 7305 - Information Operations and Warfare (3 Credit Hours)
- SECR 7308 - The Psychology of Cyberspace (3 Credit Hours)
- SECR 7309 - Social Media Psychology and Propaganda Operations (3 Credit Hours)

Elective Courses: 15 Hours

Select from the following. Students may select any course not used in their area of concentration for electives, including classes in the same area, if not already counted toward concentration.

- SECR 6411 - Introduction to Intelligence Studies (3 Credit Hours)
- SECR 6412 - Intelligence Collection (3 Credit Hours)
- SECR 6415 - Intelligence Analysis (3 Credit Hours)
- SECR 6980 - Introduction to Cyber Intelligence and Cybersecurity Policy (3 Credit Hours)
- SECR 6981 - Cyber Conflict: History and Theory of Cyber War (3 Credit Hours)
- SECR 7101 - U.S. Grand Strategy and Foreign Policy (3 Credit Hours)
- SECR 7102 - Homeland Defense and Security (3 Credit Hours)
- SECR 7103 - International Terrorism (3 Credit Hours)
- SECR 7104 - Domestic Terrorism (3 Credit Hours)
- SECR 7105 - Advanced Counterterrorism Strategies (3 Credit Hours)
- SECR 7106 - International Conflict and Security (3 Credit Hours)
- SECR 7107 - Nationalism and Ethnic Conflict (3 Credit Hours)
- SECR 7108 - Technology, Artificial Intelligence, and International Security (3 Credit Hours)
- SECR 7150 - Current Topics in Security Studies (3 Credit Hours)
- SECR 7200 - U.S. Intelligence Theory and Practice (3 Credit Hours)

SECR 7201 - Intelligence Analysis (3 Credit Hours)
 SECR 7202 - Advanced Intelligence Analysis (3 Credit Hours)
 SECR 7203 - Advanced Intelligence - Theory and Policy (3 Credit Hours)
 SECR 7205 - Social Media Intelligence (3 Credit Hours)
 SECR 7206 - Counterintelligence: Theory and Practice (3 Credit Hours)
 SECR 7208 - Strategic Intelligence (3 Credit Hours)
 SECR 7300 - Theories of Cyberwar (3 Credit Hours)
 SECR 7301 - U.S. Cyber Strategy and Policy (3 Credit Hours)
 SECR 7302 - Comparative Cyber Policy: NATO (3 Credit Hours)
 SECR 7303 - Comparative Cyber Policy: U.S. Adversaries (3 Credit Hours)
 SECR 7304 - Cyber Intelligence: Policy and Theory (3 Credit Hours)
 SECR 7305 - Information Operations and Warfare (3 Credit Hours)
 SECR 7308 - The Psychology of Cyberspace (3 Credit Hours)
 SECR 7309 - Social Media Psychology and Propaganda Operations (3 Credit Hours)
 SECR 7601 - Introduction to Statistical Analysis for Security Studies (3 Credit Hours)
 SECR 7602 - Introduction to Qualitative Methods: Process-Tracing and Case-Study Analysis (3 Credit Hours)
 SECR 7603 - Advanced Statistical Analysis for Security Studies (3 Credit Hours)
 SECR 7604 - Machine Learning and Security Analysis (3 Credit Hours)
 SECR 7605 - Introduction to Data Analytics and Data Science (3 Credit Hours)
 SECR 7606 - Advanced Data Science (3 Credit Hours)
 SECR 7990 - Advanced Research (3 Credit Hours)

Research and Dissertation Courses: Minimum 30 Hours

SECR 9900 - Integrated Research for Intelligence and Security Studies (3 Credit Hours)
 SECR 9901 - Prospectus (3 Credit Hours)
 SECR 9902 - Dissertation (taken for 21 Credit Hours total)
 SECR 9903 - Defense Preparation and Presentations (3 Credit Hours)

Degree Total: 84 Hours

Doctor of Philosophy in Molecular Oncology and Immunology

Program Overview

The Molecular Oncology and Immunology program combines the resources of basic science and clinical medicine for an interdisciplinary approach to understanding disease processes. The program includes faculty members drawn from clinical and basic science departments. Focused on discovering the molecular basis of human disease, research opportunities are focused on cancer and immunological diseases.

augusta.edu/programs/molecular-oncology-immunology-phd

Program Contact

Dr. Jennifer Sullivan
 706-721-3278
biomed@augusta.edu

Progression and Graduation Requirements

Students are admitted via a common admissions process to the Biomedical Sciences PhD program, not to a specific biomedical major. After completing the first-year common core coursework and laboratory rotations, students choose a dissertation research mentor and enter one of nine Doctor of Philosophy majors.

The Doctor of Philosophy curriculum is not lock-step; students do not graduate as a class at the end of a specific semester. The average time to degree is approximately five years of full-time, year-round study; acceptable duration of the program is a minimum of three and maximum of seven years. The number and type of advanced (2nd year and beyond) or elective courses vary, and may include courses within the Molecular Oncology and Immunology program as well as courses in other disciplines.

In addition to specific course requirements, students must complete additional PhD Degree Requirements, including satisfactory performance on the Comprehensive Examination, development and approval of a research proposal, writing and approval of the doctoral dissertation, and satisfactory performance on the Final Oral Examination (dissertation defense). See PhD Student Guide for additional requirements and details.

Program Information

Program Length: Maximum of 7 Years

CIP Code: 26.0204

Program Code: DPHIL_MOIM

Degree Requirements

Biomedical Sciences PhD Year One Core Curriculum: 33 Hours

Required Courses: 29 Hours

BIOM 8011 - Responsible Conduct of Research (1 Credit Hour)
 BIOM 8012 - Scientific Communications (1 Credit Hour)
 BIOM 8021 - Biochemistry and Gene Regulation (5 Credit Hours)
 BIOM 8022 - Molecular Cell Biology (5 Credit Hours)
 BIOM 8033 - Integrated Systems Biology (6 Credit Hours)
 BIOM 8040 - Introduction to Faculty Research (2 Credit Hours)
 BIOM 8050 - Introduction to Research I (2 Credit Hours)
 BIOM 8060 - Introduction to Research II (4 Credit Hours)
 STAT 7070 - Biomedical Statistics (3 Credit Hours)

Electives: 4 Hours

Select four credit hours from the following:

BIOM 8030 - Experimental Therapeutics (2 Credit Hours)
 BIOM 8080 - Neuroscience I (4 Credit Hours) *(Required for Neuroscience major)*
 BIOM 8085 - Fundamentals of Aging (2 Credit Hours)
 BIOM 8090 - Fundamentals of Genomic Medicine (2 Credit Hours) *(Required for Genomic Medicine major)*
 BIOM 8200 - Selected Topics (for Partial Course Enrollment) (1 to 6 Credit Hours)
 BIOM 8215 - Fundamentals of Oncology I (2 Credit Hours)
 BIOM 8230 - Biology of Proteins in Disease (2 Credit Hours)
 BIOM 8240 - Introduction to Immunology and Infectious Disease (2 Credit Hours)

Major Courses:

MOIM 9020 - Seminar in Molecular Oncology and Immunology (1 Credit Hour) *(Upon entering the Molecular Oncology and Immunology major, this course must be taken in every Fall semester until dissertation requirements are complete)*
 MOIM 9030 - Seminars in Molecular Oncology and Immunology (1 Credit Hour) *(Upon entering the Molecular Oncology and Immunology major, this course must be taken in every Spring semester until dissertation requirements are complete)*
 MOIM 9040 - Molecular Oncology and Immunology Journal Club (1 Credit Hour) *(Upon entering the Molecular Oncology and Immunology major, this course must be taken in every Fall and Spring semester until dissertation requirements are complete)*

MOIM 9210 - Investigation of a Problem (1 to 12 Credit Hours) *(Standard enrollment is 12 credit hours per semester. Upon entering the Molecular Oncology and Immunology major, this course must be taken every semester until admission to candidacy requirements are complete)*

MOIM 9300 - Research (1 to 12 Credit Hours) *(Standard enrollment is 12 credit hours per semester. Must be taken every semester after admission to candidacy until dissertation requirements are met.)*

Electives: 6 Hours Minimum

Select six credit hours from the following:

BCMB 8201 - Current Topics and Techniques in Molecular Biology (3 Credit Hours)

BIOM 8130 - Scientific Grant Writing (1 Credit Hour)

GNMD 8050 - Computational Methods in Genomics and Genetics (4 Credit Hours)

GNMD 8051 - Translational Genomics and Proteomics (3 Credit Hours)

GNMD 8052 - Functional Genomics and Proteomics Using Animal Models (3 Credit Hours)

MOIM 8030 - Biological Signaling (3 Credit Hours)

MOIM 8040 - Molecular Oncology and Immunology (3 Credit Hours)

MOIM 8130 - Advanced Topics in Molecular and Cellular Immunology (3 Credit Hours)

MOIM 9010 - Advanced Seminar in Molecular Oncology and Immunology (1 Credit Hour)

Upper-level courses in another discipline or biomedical science major not included on the pre-approved elective listing may be taken as an elective with formal, advanced approval from mentor, program director, The Graduate School (and Office of the Registrar) per the official approval and course substitution process and form submission.

Degree Total: 114-252 Hours

Doctor of Philosophy in Neuroscience

Program Overview

The neuroscience program combines resources in clinical and basic neuroscience to teach psychiatric and neurological diseases, developmental neurobiology, sensory, motor and regulatory systems, cognitive neuroscience, and cellular and molecular neuroscience. Over 25 neuroscientists participate in the interdisciplinary graduate neuroscience program to provide research opportunities in neurodegeneration and regeneration, including spinal cord injury, Parkinson's Disease, traumatic brain injury, stroke and Alzheimer's Disease, depression, and sensory systems among other areas.

augusta.edu/programs/neuroscience-phd

augusta.edu/mcg/dnrm/neuroscience

Program Contact

Eric Vitriol, PhD

706-721-1176

evitriol@augusta.edu

Progression and Graduation Requirements

Students are admitted via a common admissions process to the Biomedical Sciences PhD program, not to a specific biomedical major. After completing the first-year common core coursework and laboratory rotations, students choose a dissertation research mentor and enter one of nine Doctor of Philosophy majors.

The Doctor of Philosophy curriculum is not lock-step; students do not graduate as a class at the end of a specific semester. The average time to degree is approximately five years of full-time, year-round study; acceptable duration of the program is a minimum of three and maximum of seven years. The number and type of advanced (2nd year and beyond) or elective courses vary, and may include courses within the Neuroscience program as well as courses in other disciplines.

In addition to specific course requirements, students must complete additional PhD Degree Requirements, including satisfactory performance on the Comprehensive Examination, development and approval of a research proposal, writing and approval of the doctoral dissertation, and satisfactory performance on the Final Oral Examination (dissertation defense). See PhD Student Guide for additional requirements and details.

Program Information

Program Length: Maximum of 7 Years

CIP Code: 26.1501

Program Code: DPHIL_NERO

Degree Requirements

Biomedical Sciences PhD Year One Core Curriculum: 33 Hours

Required Courses: 29 Hours

BIOM 8011 - Responsible Conduct of Research (1 Credit Hour)

BIOM 8012 - Scientific Communications (1 Credit Hour)

BIOM 8021 - Biochemistry and Gene Regulation (5 Credit Hours)

BIOM 8022 - Molecular Cell Biology (5 Credit Hours)

BIOM 8033 - Integrated Systems Biology (6 Credit Hours)

BIOM 8040 - Introduction to Faculty Research (2 Credit Hours)

BIOM 8050 - Introduction to Research I (2 Credit Hours)

BIOM 8060 - Introduction to Research II (4 Credit Hours)

STAT 7070 - Biomedical Statistics (3 Credit Hours)

Electives: 4 Hours

Select four credit hours from the following:

BIOM 8030 - Experimental Therapeutics (2 Credit Hours)

BIOM 8080 - Neuroscience I (4 Credit Hours) *(Required for Neuroscience major)*

BIOM 8085 - Fundamentals of Aging (2 Credit Hours)

BIOM 8090 - Fundamentals of Genomic Medicine (2 Credit Hours) *(Required for Genomic Medicine major)*

BIOM 8200 - Selected Topics (for Partial Course Enrollment) (1 to 6 Credit Hours)

BIOM 8215 - Fundamentals of Oncology I (2 Credit Hours)

BIOM 8230 - Biology of Proteins in Disease (2 Credit Hours)

BIOM 8240 - Introduction to Immunology and Infectious Disease (2 Credit Hours)

Major Courses: 30 Hours

NURO 8082 - Neuroscience II (4 Credit Hours)

NURO 9010 - Neuroscience Seminar (1 Credit Hour) *(Upon entering the Neuroscience major, this course must be taken every Fall and Spring until admission to candidacy and dissertation requirements are complete.)*

NURO 9210 - Investigation of a Problem in Neuroscience (1 to 12 Credit Hours) *(Standard enrollment is 12 credit hours per semester. Upon entering the Neuroscience major, this course must be taken every semester until admission to candidacy requirements are complete.)*

NURO 9300 - Research in Neuroscience (1 to 12 Credit Hours) *(Standard enrollment is 12 credit hours per semester. Must be taken every semester after admission to candidacy until dissertation requirements are met.)*

Electives: 2 Hours Minimum

ANAT 7040 - Graduate Neuroscience I (4 Credit Hours)

ANAT 8060 - Visual Neuroscience (2 Credit Hours)

NURO 8090 - Clinical Neuroscience (2 Credit Hours)

NURO 8310 - Advanced Topics in Neuroscience (1 Credit Hour)

PHRM 8301 - Neuropharmacology (4 Credit Hours)

Upper-level courses in another discipline or biomedical science major not included on the pre-approved elective listing may be taken as an elective with formal, advanced approval from mentor, program director, The Graduate School (and Office of the Registrar) per the official approval and course substitution process and form submission.

Degree Total: 114-252 Hours

Doctor of Philosophy in Nursing**Program Overview**

The Doctor of Philosophy (PhD) program in Nursing is aligned with national recommendations to prepare nurse scientists who design and implement research focused on solving pressing health challenges to optimize health and advance health equity into the future. Emphasis is placed on mentoring students into fundable programs of research while mastering work with interdisciplinary teams via experiential research and leadership opportunities, grant writing, and innovative dissemination skills. Mastery of these skills, and development of new knowledge in a substantive specialty area will be applied to translate their research to affect policy and practice at all levels.

augusta.edu/programs/nursing-phd

Program Contact

Julie Zadinsky, PhD, MSS, RN, CIP
jzadinsky@augusta.edu

Progression and Graduation Requirements

- The PhD curriculum is not lock-step; students do not graduate as a class at the end of a specific semester. A minimum of three years full-time attendance (at least nine credit hours per semester) or four years part-time attendance (less than nine credit hours per semester) is required. The order of courses may vary.
- Students take NURS 9250 from the third semester in the program until they officially enter candidacy; then they take NURS 9300 for 3-9 hours each semester until graduation. A minimum of 18 dissertation credit hours (NURS 9300) is required over two semesters.
- The student's advisory committee may require more than the minimum number of elective credit hours in the student's area of concentration (AOC; minimum 17 elective credit hours, with 15 hours being in the student's AOC). AOC courses include NURS 9240: Independent Study and NURS 9020: Special Topics.
- Students can request approval for transfer of up to nine credit hours of doctoral level courses into the PhD program.

Program Information

Program Length: 4 Years to 7 Years

CIP Code: 51.3899 - Registered Nursing, Nursing Administration, Nursing Research and Clinical Nursing, Other.

Program Code: DPHIL_NURS

Degree Requirements**Core Courses**

NURS 8100 - Seminar in Academic Career Development (2 Credit Hours)

NURS 8140 - Responsible Conduct of Research (1 Credit Hour)

NURS 8170 - Scientific Grant Writing (3 Credit Hours)

NURS 8300 - Nursing Education Practicum (1 to 6 Credit Hours)
 NURS 8500 - Philosophical Foundations of Nursing Science (3 Credit Hours)
 NURS 8510 - Theory Development for Health Inquiry (3 Credit Hours)
 NURS 8610 - Quantitative Research Designs and Methods (3 Credit Hours)
 NURS 8620 - Measurement in Health Research (3 Credit Hours)
 NURS 8650 - Qualitative Design and Analysis (3 Credit Hours)
 NURS 8660 - Research Residency (4 Credit Hours)
 STAT 7010 - Biostatistics I (3 Credit Hours)
 STAT 7020 - Biostatistics II (3 Credit Hours)

Area of Concentration Electives: 15 Hours

Research and Dissertation: 33 Hours

NURS 9250 - Investigation of a Research Problem (1 to 12 Credit Hours) *(taken for 15 hours)*
 NURS 9300 - Dissertation (3 to 9 Credit Hours) *(taken for 18 hours)*

Degree Total: 81 Hours

Doctor of Philosophy in Oral Biology and Maxillofacial Pathology

Program Overview

The Oral Biology and Maxillofacial Pathology program focuses on biological processes that contribute to normal development and disease processes of the oro-facial complex. Based in the Dental College of Georgia, this interdisciplinary program spans the spectrum of biomedical sciences specialties to include anatomy, physiology, biochemistry, microbiology, pharmacology and pathology. The oral biology investigators have a wide range of research interests including oral cancer, bone metabolism, tissue regeneration, properties and biocompatibility of biomedical materials, oxidative stress and inflammation, diabetes and hypertension.

augusta.edu/dentalmedicine/academics/departments/oraldiaq

augusta.edu/programs/oral-biology-maxillofacial-pathology-phd

Program Contact

Linah Shahoumi, BDS, MS, PhD
 706-721-2991
biomed@augusta.edu

Progression and Graduation Requirements

Students are admitted via a common admissions process to the Biomedical Sciences PhD program, not to a specific biomedical major. After completing the first-year common core coursework and laboratory rotations, students choose a dissertation research mentor and enter one of nine Doctor of Philosophy majors.

The Doctor of Philosophy curriculum is not lock-step; students do not graduate as a class at the end of a specific semester. The average time to degree is approximately five years of full-time, year-round study; acceptable duration of the program is a minimum of three and maximum of seven years. The number and type of advanced (2nd year and beyond) or elective courses vary, and may include courses within the Oral Biology and Maxillofacial Pathology program as well as courses in other disciplines.

In addition to specific course requirements, students must complete additional PhD Degree Requirements, including satisfactory performance on the Comprehensive Examination, development and

approval of a research proposal, writing and approval of the doctoral dissertation, and satisfactory performance on the Final Oral Examination (dissertation defense). See PhD Student Guide for additional requirements and details.

Program Information

Program Length: Maximum of 7 Years

CIP Code: 51.0503

Program Code: DPHIL_OBMP

Degree Requirements

Biomedical Sciences PhD Year One Core Curriculum: 33 Hours

Required Courses: 29 Hours

BIOM 8011 - Responsible Conduct of Research (1 Credit Hour)
 BIOM 8012 - Scientific Communications (1 Credit Hour)
 BIOM 8021 - Biochemistry and Gene Regulation (5 Credit Hours)
 BIOM 8022 - Molecular Cell Biology (5 Credit Hours)
 BIOM 8033 - Integrated Systems Biology (6 Credit Hours)
 BIOM 8040 - Introduction to Faculty Research (2 Credit Hours)
 BIOM 8050 - Introduction to Research I (2 Credit Hours)
 BIOM 8060 - Introduction to Research II (4 Credit Hours)
 STAT 7070 - Biomedical Statistics (3 Credit Hours)

Electives: 4 Hours

Select four credit hours from the following:

BIOM 8030 - Experimental Therapeutics (2 Credit Hours)
 BIOM 8080 - Neuroscience I (4 Credit Hours) *(Required for Neuroscience major)*
 BIOM 8085 - Fundamentals of Aging (2 Credit Hours)
 BIOM 8090 - Fundamentals of Genomic Medicine (2 Credit Hours) *(Required for Genomic Medicine major)*
 BIOM 8200 - Selected Topics (for Partial Course Enrollment) (1 to 6 Credit Hours)
 BIOM 8215 - Fundamentals of Oncology I (2 Credit Hours)
 BIOM 8230 - Biology of Proteins in Disease (2 Credit Hours)
 BIOM 8240 - Introduction to Immunology and Infectious Disease (2 Credit Hours)

Major Courses:

OBMP 9010 - Graduate Oral Biology Seminar (1 Credit Hour) *(Upon entering the Oral Biology & Maxillofacial Pathology program, this course must be taken every Spring semester until admission to candidacy and dissertation requirements are complete.)*
 OBMP 9100 - Journal Club in Oral Biology (1 Credit Hour) *(Upon entering the Oral Biology & Maxillofacial Pathology program, this course must be taken every Fall semester until admission to candidacy and dissertation requirements are complete.)*
 OBMP 9210 - Investigation of a Problem (1 to 12 Credit Hours) *(Standard enrollment is 12 credit hours per semester. Upon entering the Oral Biology & Maxillofacial Pathology program, this course must be taken every semester until admission to candidacy requirements are complete.)*
 OBMP 9300 - Research (1 to 16 Credit Hours) *(Standard enrollment is 12 credit hours per semester. Must be taken every semester after admission to candidacy until dissertation requirements are met.)*

Electives: Minimum 8 Hours

Upper-level courses in another discipline or biomedical science major not included on the pre-approved elective listing may be taken as an elective with formal, advanced approval from mentor, program director, The Graduate School (and Office of the Registrar) per the official approval and course substitution process and form submission.

OBMP 9001 - Topics in Oral Biology I (3 Credit Hours)
OBMP 9002 - Topics in Oral Biology II (3 Credit Hours)
OBMP 9003 - Topics in Oral Biology III (3 Credit Hours)
OBMP 9004 - Topics in Oral Biology IV (3 Credit Hours)

Degree Total: 114-252 Hours

Doctor of Philosophy in Pharmacology

Program Overview

In Pharmacology and Toxicology, biology is queried to identify targets, drugs, and off-target toxicities to improve human health and combat disease. The faculty biology research interests are wide-ranging from cardiovascular to nervous systems. In these systems, the faculty study how healthy biology devolves into disease through conditions of aging, neurotoxin/alcohol exposure, hemorrhagic injury, cardiovascular/pulmonary disease, and cognitive function/decline. The molecular targets studied relate to mechanisms that control G protein coupled receptors, mitochondrial function, and transcriptomics that are applied in cell, mouse, and human systems. Courses of study are designed to meet the needs of individual students as applied to the pharmacologic discipline. Graduates have had successful employment in academics (research/teaching), pharmaceutical and biotechnology industries, and the private sector.

augusta.edu/gradschool/biomed/phd-pharm

augusta.edu/mcg/phmtox

Program Contact

Dan Rudic, PhD

706-721-2346

rrudic@augusta.edu

Progression and Graduation Requirements

Students are admitted via a common admissions process to the Biomedical Sciences PhD program, not to a specific biomedical major. After completing the first-year common core coursework and laboratory rotations, students choose a dissertation research mentor and enter one of nine Doctor of Philosophy majors.

The Doctor of Philosophy curriculum is not lock-step; students do not graduate as a class at the end of a specific semester. The average time to degree is approximately five years of full-time, year-round study; acceptable duration of the program is a minimum of three and maximum of seven years. The number and type of advanced (2nd year and beyond) or elective courses vary, and may include courses within the pharmacology program as well as courses in other disciplines.

In addition to specific course requirements, students must complete additional PhD Degree Requirements, including annual advisory committee meetings, individual development plans (IDP's) satisfactory performance on the comprehensive examination, development and approval of a research proposal, writing and approval of the doctoral dissertation, and satisfactory performance on the final oral examination (dissertation defense). See PhD Student Guide for additional requirements and details.

Program Information

Program Length: Maximum of 7 Years

CIP Code: 26.1001

Program Code: DPHIL_PHAR

Degree Requirements

Biomedical Sciences PhD Year One Core Curriculum: 33 Hours

Required Courses: 29 Hours

BIOM 8011 - Responsible Conduct of Research (1 Credit Hour)
 BIOM 8012 - Scientific Communications (1 Credit Hour)
 BIOM 8021 - Biochemistry and Gene Regulation (5 Credit Hours)
 BIOM 8022 - Molecular Cell Biology (5 Credit Hours)
 BIOM 8033 - Integrated Systems Biology (6 Credit Hours)
 BIOM 8040 - Introduction to Faculty Research (2 Credit Hours)
 BIOM 8050 - Introduction to Research I (2 Credit Hours)
 BIOM 8060 - Introduction to Research II (4 Credit Hours)
 STAT 7070 - Biomedical Statistics (3 Credit Hours)

Electives: 4 Hours

Select four credit hours from the following:

BIOM 8030 - Experimental Therapeutics (2 Credit Hours)
 BIOM 8080 - Neuroscience I (4 Credit Hours) *(Required for Neuroscience major)*
 BIOM 8085 - Fundamentals of Aging (2 Credit Hours)
 BIOM 8090 - Fundamentals of Genomic Medicine (2 Credit Hours) *(Required for Genomic Medicine major)*
 BIOM 8200 - Selected Topics (for Partial Course Enrollment) (1 to 6 Credit Hours)
 BIOM 8215 - Fundamentals of Oncology I (2 Credit Hours)
 BIOM 8230 - Biology of Proteins in Disease (2 Credit Hours)
 BIOM 8240 - Introduction to Immunology and Infectious Disease (2 Credit Hours)

Major Courses:

PHRM 8042 - Pharmacology and Therapeutics I (3 Credit Hours)
 PHRM 8043 - Pharmacology and Therapeutics II (3 Credit Hours)
 PHRM 8301 - Neuropharmacology (4 Credit Hours) *(required for students engaging in neuroscience projects)*
 or BIOM 8120 - Cardiovascular Physiology and Pharmacology (3 Credit Hours) *(required for students engaging in cardiovascular projects)*
 PHRM 9020 - Seminar in Pharmacology (1 Credit Hour) *(Must be taken every Fall and Spring semester until admission to candidacy and dissertation requirements are complete.)*
 PHRM 9210 - Investigation of a Problem (1 to 12 Credit Hours) *(Standard enrollment is 12 credit hours per semester. Upon entering the Pharmacology major, this course must be taken every semester until admission to candidacy requirements are complete.)*
 PHRM 9300 - Research (1 to 12 Credit Hours) *(Standard enrollment is 12 credit hours per semester. Must be taken every semester after admission to candidacy until dissertation requirements are met.)*

Note: An appropriate upper-level course may be substituted for BIOM 8120 or PHRM 8301 (e.g., for students not engaging in cardiovascular or neuroscience projects) with prior pre-approval from student's mentor, advisory committee, program director, The Graduate School (and through Office of the Registrar) per the official approval and course substitution process and form submission.

Electives: 8 Hours

BIOM 8120 - Cardiovascular Physiology and Pharmacology (3 Credit Hours) *
 or PHRM 8301 - Neuropharmacology (4 Credit Hours) *
 BIOM 8130 - Scientific Grant Writing (1 Credit Hour)
 PHRM 5003 - Pharmacology Tutorial (4 Credit Hours)

** BIOM 8120 and PHRM 8301 may be taken and counted as electives IF the course has been not taken as a required course above. These courses cannot be "double counted" to fulfill both required and*

elective requirements (e.g., if BIOM 8120 is taken to fulfill the required course, then PHRM 8031 can be taken as an elective).

Note: Upper-level courses in another discipline or biomedical science major not included on the pre-approved elective listing may be taken as an elective with formal, advanced approval from mentor, program director, The Graduate School (and Office of the Registrar) per the official approval and course substitution process and form submission.

Degree Total: 114-252 Hours

Doctor of Philosophy in Physiology

Program Overview

The physiology program integrates concepts and principles from all areas of medical science to understand function at the cell and molecular, tissue, organ systems and whole-animal levels. Faculty members have expertise in cardiovascular neural and endocrine physiology and collaborate extensively with faculty in other departments on campus. Students and faculty maintain a high national and international profile, with publications, awards, extramural funding and regular presentations at scientific meetings. We foster a spirit of collaboration that provides a virtually limitless ability to answer the most important questions in biomedicine.

augusta.edu/programs/physiology-phd

augusta.edu/mcg/phy/phys_graduate

Program Contact

Daria Ilatovskaya, PhD
706-721-7741
biomed@augusta.edu

Progression and Graduation Requirements

Students are admitted via a common admissions process to the Biomedical Sciences PhD program, not to a specific biomedical major. After completing the first-year common core coursework and laboratory rotations, students choose a dissertation research mentor and enter one of nine Doctor of Philosophy majors.

The Doctor of Philosophy curriculum is not lock-step; students do not graduate as a class at the end of a specific semester. The average time to degree is approximately five years of full-time, year-round study; acceptable duration of the program is a minimum of three and maximum of seven years. The number and type of advanced (2nd year and beyond) or elective courses vary and may include courses within the Physiology program as well as courses in other disciplines.

In addition to specific course requirements, students must complete additional PhD Degree Requirements, including annual advisory committee meetings, individual development plans (IDP's), satisfactory performance on the comprehensive examination, development and approval of a research proposal, writing and approval of the doctoral dissertation, and satisfactory performance on the final oral examination (dissertation defense). See PhD Student Guide for additional requirements and details.

Program Information

Program Length: Maximum of 7 Years
CIP Code: 26.0901
Program Code: DPHIL_PHYS

Degree Requirements

Biomedical Sciences PhD Year One Core Curriculum: 33 Hours

Required Courses: 29 Hours

BIOM 8011 - Responsible Conduct of Research (1 Credit Hour)
 BIOM 8012 - Scientific Communications (1 Credit Hour)
 BIOM 8021 - Biochemistry and Gene Regulation (5 Credit Hours)
 BIOM 8022 - Molecular Cell Biology (5 Credit Hours)
 BIOM 8033 - Integrated Systems Biology (6 Credit Hours)
 BIOM 8040 - Introduction to Faculty Research (2 Credit Hours)
 BIOM 8050 - Introduction to Research I (2 Credit Hours)
 BIOM 8060 - Introduction to Research II (4 Credit Hours)
 STAT 7070 - Biomedical Statistics (3 Credit Hours)

Electives: 4 Hours

Select four credit hours from the following:

BIOM 8030 - Experimental Therapeutics (2 Credit Hours)
 BIOM 8080 - Neuroscience I (4 Credit Hours) *(Required for Neuroscience major)*
 BIOM 8085 - Fundamentals of Aging (2 Credit Hours)
 BIOM 8090 - Fundamentals of Genomic Medicine (2 Credit Hours) *(Required for Genomic Medicine major)*
 BIOM 8200 - Selected Topics (for Partial Course Enrollment) (1 to 6 Credit Hours)
 BIOM 8215 - Fundamentals of Oncology I (2 Credit Hours)
 BIOM 8230 - Biology of Proteins in Disease (2 Credit Hours)
 BIOM 8240 - Introduction to Immunology and Infectious Disease (2 Credit Hours)

Major Courses:

BIOM 8130 - Scientific Grant Writing (1 Credit Hour)
 PSIO 9010 - Seminar in Physiology (1 Credit Hour) *(Upon entering the Physiology major, this course must be taken every Fall and Spring until admission to candidacy and dissertation requirements are complete.)*
 PSIO 9210 - Investigation of a Problem (1 to 12 Credit Hours) *(Upon entering the Physiology major, this course must be taken every semester until admission to candidacy requirements are complete.)*
 PSIO 9300 - Research (1 to 12 Credit Hours) *(Standard enrollment is 12 credit hours per semester. Must be taken every semester after admission to candidacy until dissertation requirements are met.)*

Electives: 4 Hours Minimum

Upper-level courses in another discipline or biomedical science major not included on the pre-approved elective listing may be taken as an elective with formal, advanced approval from mentor, program director, The Graduate School (and Office of the Registrar) per the official approval and course substitution process and form submission.

PSIO 8110 - Medical Physiology I (8 Credit Hours)
 PSIO 8310 - Principles of Medical Physiology (2 Credit Hours)
 PSIO 8315 - Teaching Practicum in Physiology (2 Credit Hours)
 PSIO 8320 - Medical GI Physiology (2 Credit Hours)
 PSIO 8330 - Medical Neurophysiology (3 Credit Hours)
 PSIO 8335 - Medical Pulmonary Physiology (2 Credit Hours)
 PSIO 8340 - Advanced Study of Physiology (2 Credit Hours)
 PSIO 8350 - Current Trends in Physiology (1 Credit Hour)
 PSIO 8370 - Medical Endocrine and Reproductive Physiology (2 Credit Hours)
 PSIO 8380 - Medical Cardiovascular Physiology (3 Credit Hours)
 PSIO 8390 - Medical Renal Physiology (2 Credit Hours)
 PSIO 8710 - Pathophysiology I (2 Credit Hours)
 PSIO 8720 - Pathophysiology II (2 Credit Hours)
 PSIO 8810 - Medical Physiology II (6 Credit Hours)

Degree Total: 114-252 Hours

Doctor of Philosophy in Vascular Biology

Program Overview

The vascular biology program is based in an interdisciplinary research center, the Vascular Biology Center, that includes core and associate faculty members from many clinical and basic science departments on campus. Research projects encompass studies ranging from the molecular and genetic level, to the regulation of cellular processes, to multi-cellular and organ system regulation, as well as to human studies. Research interests include topics related the permeability function of the retinal microvasculature, responses of endothelial and smooth muscle cells to injury, growth and proliferation of vascular cells, endothelial dysfunction in hypertension and cardiomyopathy, roles of vasoactive mediators in mammalian cell function, and signal transduction in vascular endothelial cells.

augusta.edu/gradstudies/biomed/prospective-students/mcg-phd-vascular-biology
augusta.edu/centers/vbc

Program Contact

Eric J. Belin de Chantemele, D.Sc
706 721 7805
ebelindechanteme@augusta.edu

Progression and Graduation Requirements

Students are admitted via a common admissions process to the Biomedical Sciences PhD program, not to a specific biomedical major. After completing the first-year common core coursework and laboratory rotations, students choose a dissertation research mentor and enter one of nine Doctor of Philosophy majors.

In addition to specific course requirements, students must complete additional PhD Degree Requirements, including satisfactory performance on the Comprehensive Examination, development of an approved research proposal, writing and obtaining approval of the doctoral dissertation, and satisfactory performance on the Final Oral Examination (dissertation defense). See PhD Student Guide for additional requirements and details.

The Doctor of Philosophy curriculum is not lock-step; students do not graduate as a class at the end of a specific semester. The average time to degree is approximately five years of full-time, year-round study; acceptable duration of the program is between three and seven years. The number and type of advanced (2nd year and beyond) or elective courses vary, and may include courses within the vascular biology program as well as courses in other disciplines.

Program Information

Program Length: 3-7 Years
CIP Code: 26.0499
Program Code: DPHIL_VBIO

Degree Requirements

Biomedical Sciences PhD Year One Core Curriculum: 33 Hours

Required Courses: 29 Hours

BIOM 8011 - Responsible Conduct of Research (1 Credit Hour)
BIOM 8012 - Scientific Communications (1 Credit Hour)
BIOM 8021 - Biochemistry and Gene Regulation (5 Credit Hours)
BIOM 8022 - Molecular Cell Biology (5 Credit Hours)

BIOM 8033 - Integrated Systems Biology (6 Credit Hours)
 BIOM 8040 - Introduction to Faculty Research (2 Credit Hours)
 BIOM 8050 - Introduction to Research I (2 Credit Hours)
 BIOM 8060 - Introduction to Research II (4 Credit Hours)
 STAT 7070 - Biomedical Statistics (3 Credit Hours)

Electives: 4 Hours

Select four credit hours from the following:

BIOM 8030 - Experimental Therapeutics (2 Credit Hours)
 BIOM 8080 - Neuroscience I (4 Credit Hours) *(Required for Neuroscience major)*
 BIOM 8085 - Fundamentals of Aging (2 Credit Hours)
 BIOM 8090 - Fundamentals of Genomic Medicine (2 Credit Hours) *(Required for Genomic Medicine major)*
 BIOM 8200 - Selected Topics (for Partial Course Enrollment) (1 to 6 Credit Hours)
 BIOM 8215 - Fundamentals of Oncology I (2 Credit Hours)
 BIOM 8230 - Biology of Proteins in Disease (2 Credit Hours)
 BIOM 8240 - Introduction to Immunology and Infectious Disease (2 Credit Hours)

Vascular Biology Major Courses:

VBIO 8010 - Methods in Cardiovascular Research (3 Credit Hours)
 VBIO 8020 - New Frontiers in Vascular Biology (2 Credit Hours)
 VBIO 9010 - Seminar in Vascular Biology (1 Credit Hour) *(Upon entering the Vascular Biology major, this course must be taken every semester until admission to candidacy and dissertation requirements are complete.)*
 VBIO 9020 - Vascular Biology Journal Club (1 Credit Hour) *(Upon entering the Vascular Biology major, this course must be taken every semester until admission to candidacy and dissertation requirements are complete.)*
 VBIO 9210 - Investigation of a Problem in Vascular Biology (1 to 12 Credit Hours) *(Standard enrollment is 12 credit hours per semester. Upon entering the Vascular Biology major, this course must be taken every semester until admission to candidacy requirements are complete.)*
 VBIO 9300 - Research in Vascular Biology (1 to 12 Credit Hours) *(Standard enrollment is 12 credit hours per semester. Research must be taken every semester after admission to candidacy until dissertation requirements are met.)*

Electives: 3 Hours Minimum

VBIO 8130 - Modern Drug Discovery and Development (3 Credit Hours)
 VBIO 8140 - Cell Signaling in Vascular Biology (2 Credit Hours)
 Advanced course in another discipline or biomedical science major (selections require approval from mentor and program director)

Degree Total: 114-252 Hours

Doctor of Physical Therapy

Doctor of Physical Therapy

Program Overview

Physical therapy is a dynamic profession with an established theoretical and scientific base and widespread clinical applications in the restoration, maintenance, and promotion of optimal physical function.

Physical therapists are health care professionals that diagnose and manage movement dysfunction and enhance physical and functional abilities. Physical therapists (PTs) treat individuals of all ages, from

newborns to the very oldest, who have medical problems or other health-related conditions that limit their abilities to move and perform functional activities in their daily lives.

An education in physical therapy allows individuals the opportunity to choose from a wide variety of career settings (including hospitals, private practices, educational institutions, work settings, nursing homes, and more). Physical therapists must be licensed in the state where they wish to practice. After completing an accredited doctoral physical therapy program, individuals must pass the National Physical Therapy Examination to become licensed.

Augusta University offers an 8-semester doctoral program in Physical Therapy, which includes 30 weeks of clinical experience.

augusta.edu/alliedhealth/physical-therapy

Program Contact

Dr. Dustin Cox

706-721-1518

ptadmissions@augusta.edu

Program Accreditation

The Doctor of Physical Therapy program at Augusta University is accredited by the Commission on Accreditation in Physical Therapy Education (CAPTE), 3030 Potomac Ave, Suite 100, Alexandria, Virginia 22305-3085.

Phone: 703-706-3245

Email: accreditation@apta.org

Admissions Information

See the College of Allied Health Sciences website at augusta.edu/alliedhealth/physical-therapy/admissions for specific admissions information.

In addition to specific academic requirements, candidates for admission to the Doctor of Physical Therapy program must have aptitude, abilities, and skills in the following five areas in order to meet the full requirements of the program's curriculum.

- Sufficient intellectual capacity to fulfill the curricular requirements of the program
- Ability to effectively communicate with patients, colleagues, instructors and other members of the healthcare community
- Physical ability to learn and implement the various technical skills required to prepare for the independent practice of physical therapy
- Sufficient emotional stability to withstand the stress, uncertainties and changing circumstances that characterize healthcare practice
- Social attributes and behaviors required for full use of intellectual abilities and the development of mature, sensitive and effective therapeutic relationships with patients and clients

Progression and Graduation Requirements

In addition to demonstrating personal characteristics appropriate for a health professions career, students must satisfy general and specific technical standards for this program. Review these requirements on the Physical Therapy admissions webpage at augusta.edu/alliedhealth/physical-therapy/admissions.

Program Information

Program Length: 8 semesters

CIP Code: 51.2308

Program Code: DPT_PHTP

Major Code: PHTP

Degree Requirements

CAHS 7500 - Clinical Anatomy (4 Credit Hours)
CAHS 7550 - Clinical Anatomy and Physiology II (4 Credit Hours)
PTHP 7105 - Clinical Physiology I (4 Credit Hours)
PTHP 7110 - Kinesiology for Physical Therapy Practice (3 Credit Hours)
PTHP 7115 - Foundational Skills in Physical Therapy I (4 Credit Hours)
PTHP 7120 - Personal and Professional Leadership Development (1 Credit Hour)
PTHP 7125 - Physical Therapy Seminar I (0 Credit Hours)
PTHP 7200 - The Musculoskeletal Movement System I (6 Credit Hours)
PTHP 7205 - Movement System Case Application I (1 Credit Hour)
PTHP 7210 - Foundational Skills in Physical Therapy II (2 Credit Hours)
PTHP 7215 - The Cardiovascular and Cardiopulmonary Movement Systems (3 Credit Hours)
PTHP 7220 - Seminar II (0 Credit Hours)
PTHP 7300 - The Musculoskeletal Movement System II (6 Credit Hours)
PTHP 7305 - Movement System Case Application II (1 Credit Hour)
PTHP 7310 - Health Promotion and Wellness in Physical Therapy (3 Credit Hours)
PTHP 7315 - Evidence-Based Practice I (2 Credit Hours)
PTHP 7320 - Physical Therapy Seminar III (0 Credit Hours)
PTHP 8005 - The Integumentary and Endocrine Movement Systems (3 Credit Hours)
PTHP 8010 - Motor Control and Movement Analysis (3 Credit Hours)
PTHP 8015 - Evidence-Based Practice II (1 Credit Hour)
PTHP 8020 - Leading in Physical Therapy (1 Credit Hour)
PTHP 8025 - Physical Therapy Clinical Experience I (8 Credit Hours)
PTHP 8030 - Physical Therapy Seminar IV (0 Credit Hours)
PTHP 8105 - The Nervous Movement System I (6 Credit Hours)
PTHP 8110 - Movement System Case Application III (1 Credit Hour)
PTHP 8115 - Interactions of Multiple Body Movement Systems (3 Credit Hours)
PTHP 8120 - The Musculoskeletal Movement System III (2 Credit Hours)
PTHP 8125 - Geriatric Considerations in Patient Management (2 Credit Hours)
PTHP 8230 - Evidence-Based Practice III (1 Credit Hour)
PTHP 8235 - Physical Therapy Seminar 5 (0 Credit Hours)
PTHP 8300 - The Nervous Movement System II (2 Credit Hours)
PTHP 8310 - Movement System Case Application IV (1 Credit Hour)
PTHP 8320 - Integrated Patient Management of Individuals with Acute and Critical Illness (3 Credit Hours)
PTHP 8330 - Pediatric Considerations in Patient Management (3 Credit Hours)
PTHP 8335 - Physical Therapy Practice Management (4 Credit Hours)
PTHP 8340 - Physical Therapy Seminar VI (0 Credit Hours)
PTHP 9000 - Physical Therapy Leadership Synthesis (1 Credit Hour)
PTHP 9005 - Physical Therapy Seminar VII (0 Credit Hours)
PTHP 9010 - Movement System Case Application V (1 Credit Hour)
PTHP 9015 - Physical Therapy Clinical Experience II (12 Credit Hours)
PTHP 9100 - Physical Therapy Clinical Experience III (12 Credit Hours)
PTHP 9105 - Physical Therapy Leadership Actualization (1 Credit Hour)

Degree Total: 115 Hours

Specialist Degrees

Specialist in Education

Specialist in Education with a Major in Advanced Educational Studies

Program Overview

The Education Specialist in Advanced Educational Studies program allows candidates to build upon existing knowledge and skills as a practitioner. Education specialist degree completers possess advanced knowledge and skills to develop and design curriculum, implement instructional methods that are data-driven and responsive, and assess instructional practices that facilitate student learning. Also, candidates gain the ability to use fundamental applied research methods informed by theory and inquiry to address everyday, practical educational problems.

augusta.edu/education/research-counseling-curriculum/advanced-educational-studies-eds

Program Contact

Rebecca Rohloff, PhD
coehd_eds_aes@augusta.edu

Timothy Hall
 Academic Advisor
timhall@augusta.edu

Admissions Information

This program requires a secondary admissions process. For information on admissions requirements, please visit the program admissions website at augusta.edu/gradschool/eds-advanced-studies-adm-reqs.

Progression and Graduation Requirements

- To graduate, students must earn an overall 2.8 GPA.

Program Information

Program Length: 3 Semesters
 CIP Code: 13.0301
 Program Code: 1EDS-ADES
 Major Code: ADES

Degree Requirements

Major Courses: 12 Hours

EDCI 7110 - Curriculum Studies (3 Credit Hours)
 EDUC 7007 - Critical Cultural Studies in Education (3 Credit Hours)
 EDUC 7021 - Educational Research (3 Credit Hours)

Plus one of the following:

EDUC 7004 - Philosophy of Education (3 Credit Hours)
 EDUC 7005 - History of American Education (3 Credit Hours)

EDUC 7006 - Comparative Education (3 Credit Hours)**Concentration Courses: 9 Hours**

Students select a concentration area that is currently on their teaching certificate:

- Art Education (P-12)
- Elementary Education (P-5)
- English Speakers of Other Languages (P-12)
- Health and Physical Education (P-12)
- Middle Grades Education (4-8)
- Music Education (P-12)
- Secondary Education (6-12) in the following subjects:
 - Biology, Chemistry, Earth Science, Economics, English, French, German, History, Mathematics, Physics, Political Science, Spanish, Science Education
- Special Education (P-12)

The concentration courses will focus assignments and projects on the student's current area of certification.

EDCI 7224 - Critical Content Literacy (3 Credit Hours)

EDCI 7364 - Improving Instruction (3 Credit Hours)

EDCI 7910 - Advanced Inquiry in Educational Studies (3 Credit Hours)

Electives: 9 Hours

Students work with advisors to select electives and may use these electives to add one of the following endorsements to their teaching certificate:

Department of Research, Counseling, and Curriculum

- Gifted Education
- Urban Education

Department of Teaching and Leading

- Reading
- English to Speakers of Other Languages (ESOL)
- Computer Science
- STEM

Electives must be selected in consultation with the advisor from the following:

- EDCI 6000-7000 level course (3 credit hours)
- EDUC 6000-7000 level course (3 credit hours)
 - Gifted Endorsement Electives
 - EDUC 6271 - Introduction to Gifted Education (3 Credit Hours)
 - EDUC 6272 - Assessment of Gifted Learners (3 Credit Hours)
 - EDUC 6273 - Curriculum and Program Design for Gifted Learners (3 Credit Hours)
 - Urban Endorsement Electives
 - EDUC 7010 - Critical Issues in Urban Education Policy and Practice (3 Credit Hours)
 - EDUC 7011 - Youth Identities in Urban School Contexts (3 Credit Hours)
 - EDUC 7012 - Critical Praxis in Urban Educational Contexts (3 Credit Hours)
- Other Department Electives
 - EDTD 6000-7000 level course (3 credit hours)
 - ENGL 6620 - English Linguistics (3 Credit Hours)
 - KNHS 6000-7000 level course (3 credit hours)
 - SPED 6000-7000 level course (3 credit hours)

Degree Total: 30 Hours

Specialist in Education with a Major in Educational Leadership

Program Overview

The Specialist in Education with a Major in Educational Leadership is an approved graduate program in Georgia that prepares educators for Tier Two Educational Leadership Certification. Aligned to the Professional Standards for Educational Leadership, the 30-hour programs are offered online. Coursework is delivered 100% online.

augusta.edu/education/teaching-leading

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Program Contact

Department of Teaching and Leading
706-737-1496
edleader@augusta.edu

Progression and Graduation Requirements

- Valid Georgia T-6, T-7, S-6, S-7 or comparable Level 6 Georgia certificate and valid Standard Professional Educational Leadership Tier One.
- Individualized Educational Professional Practice Plan must be completed.
- Student must complete a pre/post self-evaluation rubric.
- Candidate MUST receive program approval in order to register for the performance-based Assessment for School Leaders. Candidates are encouraged to take the assessment prior to completion of the respective program.
- Note: The Tier-I Section courses are only prerequisites within the Extended Ed.S. Program. To obtain a Tier-I Certification within the Extended Ed.S. Program, you must have taken, at a minimum, one more course in the Tier-II Section (excluding the Tier-II Clinical Practice Residency Course). This will make the 21 credit hours required for Tier-I Certification.
- To graduate, students must earn an overall 2.8 GPA.

Program Information

Program Length: 1 Year for the Ed.S./Tier-II Track II (30 credit hours) and 2 years for the Ed.S./Tier-I/Tier-II Track (48 credit hours)

CIP Code: 13.0401

Program Code: 1EDS-WLDR

Degree Requirements

Select one of the following tracks:

Ed.S./Tier Two Track: 30 Hours

EDLR 7351 - Tier II Clinical Residency for Educational Leaders - I (4 Credit Hours)
EDLR 7352 - Tier II Clinical Residency for Educational Leaders - II (4 Credit Hours)
EDLR 7353 - Tier II Clinical Residency for Educational Leaders - III (4 Credit Hours)
EDLR 7430 - Improving Instructional Capacity Through Change (3 Credit Hours)
EDLR 7470 - Managing Educational Operations to Support Teaching and Learning (3 Credit Hours)
EDLR 7570 - Policy and Issues in Educational Leadership (3 Credit Hours)
EDLR 7620 - Leading Diverse Communities to Support Teaching and Learning (3 Credit Hours)
EDUC 7021 - Educational Research (3 Credit Hours)

EDLR 7031 - Educational Program Evaluation (3 Credit Hours)

Degree Total - Ed.S./Tier-II Track: 30 Hours

Ed.S./Tier One and Tier Two Track: 48 Hours

EDLR 6430 - School Law (3 Credit Hours)

EDLR 6440 - Developing Professional Learning Communities (3 Credit Hours)

EDLR 6550 - Instructional Supervision for Improving P-12 Learning (3 Credit Hours)

EDLR 6640 - Developing Trends in Educational Leadership (3 Credit Hours)

EDLR 6720 - Leading School Operations and Resources (3 Credit Hours)

EDLR 6900 - Tier One Certification Clinical Residency I (1 Credit Hour)

EDLR 6901 - Tier One Certification Clinical Residency II (1 Credit Hour)

EDLR 6902 - Tier One Certification Clinical Residency III (1 Credit Hour)

EDLR 7351 - Tier II Clinical Residency for Educational Leaders - I (4 Credit Hours)

EDLR 7352 - Tier II Clinical Residency for Educational Leaders - II (4 Credit Hours)

EDLR 7353 - Tier II Clinical Residency for Educational Leaders - III (4 Credit Hours)

EDLR 7430 - Improving Instructional Capacity Through Change (3 Credit Hours)

EDLR 7470 - Managing Educational Operations to Support Teaching and Learning (3 Credit Hours)

EDLR 7570 - Policy and Issues in Educational Leadership (3 Credit Hours)

EDLR 7620 - Leading Diverse Communities to Support Teaching and Learning (3 Credit Hours)

EDUC 7021 - Educational Research (3 Credit Hours)

EDLR 7031 - Educational Program Evaluation (3 Credit Hours)

Degree Total - Ed.S./Tier-I/Tier-II Track: 48 Hours

Master's Degrees

Master of Arts

Master of Arts with a Major in Intelligence and Security Studies

Program Overview

The Master of Arts in Intelligence and Security Studies (MAISS) prepares students and industry leaders to address the intelligence and security challenges in an interconnected world.

The coursework is focused on inter and intrastate conflict, terrorism and counter-terrorism, and national, regional, and global strategic security and cybersecurity threats. The program prepares students for careers in the areas of strategic security policy, intelligence analysis, and for advancement in military, law enforcement, and academia.

The program seeks to expose military members, future decision makers and analysts, and students considering a PhD to the security challenges inherent in a rapidly changing world. Our program has a special emphasis on the causes and effects of interstate and intrastate conflict, the sources of terrorism, terrorism and counterterrorism strategies, and security issues that affect national, regional, and global security.

It is the responsibility of the student to maintain contact with the program coordinator to insure the proper selection and sequence of courses and completion of the thesis/capstone for the MAISS program.

augusta.edu/pamplin/maiss

Program Contact

Dr. Craig Albert

(706) 737-1710

maiss@augusta.edu

AU Online Admissions

706-770-6046

admissions@online.augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Program Information

Program Length: 2 Years

CIP Code: 45.1001

Program Code: 1MA-INSC

Degree Requirements

Major Courses: 18 Hours

SECR 6351 - Homeland Security (3 Credit Hours)

or SECR 6650 - National Security and Public Policy (3 Credit Hours)

SECR 6411 - Introduction to Intelligence Studies (3 Credit Hours)

or SECR 6980 - Introduction to Cyber Intelligence and Cybersecurity Policy (3 Credit Hours)

SECR 6600 - Research Design and Writing for Intelligence and Security Studies (3 Credit Hours)

SECR 6906 - Terrorism Studies (3 Credit Hours)

or SECR 6809 - Ethnic Conflict and Political Violence (3 Credit Hours)

or SECR 6810 - The Politics of Islam and International Security (3 Credit Hours)

SECR 6910 - International Relations Theory (3 Credit Hours)

SECR 6911 - Introduction to Security Studies (3 Credit Hours)

Electives: 12 Hours

Select from the following:

PADM 6020 - Geographic Information Systems for Public Management (3 Credit Hours)

PADM 6150 - Leadership and Ethics (3 Credit Hours)

SECR 6168 - Cross-Cultural Security and Psychology (3 Credit Hours)

SECR 6412 - Intelligence Collection (3 Credit Hours)

SECR 6413 - Open-Source Intelligence (3 Credit Hours)

SECR 6414 - Public Health and Medical Intelligence: Security and Civilian Principles and Applications (3 Credit Hours)

SECR 6415 - Intelligence Analysis (3 Credit Hours)

SECR 6650 - National Security and Public Policy (3 Credit Hours)

SECR 6809 - Ethnic Conflict and Political Violence (3 Credit Hours)

SECR 6810 - The Politics of Islam and International Security (3 Credit Hours)

SECR 6813 - Environmental Issues in International Security (3 Credit Hours)

SECR 6814 - Space and International Security (3 Credit Hours)

SECR 6815 - Weapons of Mass Destruction and International Security (3 Credit Hours)

SECR 6912 - Counterterrorism Studies (3 Credit Hours)

SECR 6913 - Critical Security Studies (3 Credit Hours)
SECR 6914 - Future Wars (3 Credit Hours)
SECR 6915 - The Economics of International Security (3 Credit Hours)
SECR 6917 - Democracy and Conflict (3 Credit Hours)
SECR 6918 - Stability and Peacekeeping Operations (3 Credit Hours)
SECR 6919 - The Psychology of Terrorism (3 Credit Hours)
SECR 6920 - Weaponizing Information: The History and Theory of Propaganda (3 Credit Hours)
SECR 6950 - Selected Topics in Intelligence and Security Studies (3 Credit Hours)
SECR 6980 - Introduction to Cyber Intelligence and Cybersecurity Policy (3 Credit Hours)
SECR 6981 - Cyber Conflict: History and Theory of Cyber War (3 Credit Hours)
SECR 6982 - Information Warfare (3 Credit Hours)
SECR 6983 - Hybrid Warfare (3 Credit Hours)
SECR 7000 - Directed Readings in Intelligence and Security Studies (0 to 6 Credit Hours)

Capstone/Thesis: 6 Credit Hours

Select one of the following options:

Option 1: Capstone

SECR 6997 - Capstone (0 to 6 Credit Hours)

Option 2: Thesis

SECR 6998 - Thesis I (3 Credit Hours)

SECR 6999 - Thesis II (3 Credit Hours)

Option 3: SECR Courses

SECR 6916 - The Causes and Prevention of War (3 Credit Hours)

SECR 6XXX or 7XXX (3 Credit Hours)

Degree Total: 36 Hours

Master of Arts with a Major in Intelligence and Security Studies with a Concentration in Social Influence

Program Overview

This plan of study is for a specific concentration within the Master of Arts in Intelligence and Security Studies. It is meant to teach the student how social influence and persuasion works, specifically focusing on different aspects of information warfare and data collection. The concentration teaches how strategic adversaries have targeted propaganda campaigns against the United States as well as cross-cultural comparisons. When possible, the courses will also focus on case-studies of US adversaries to understand strategic comparative advantage concerning social influence campaigns. This concentration is interdisciplinary and collaborative in nature, teaching the social science of influence campaigns combined with modules on communication, history, intelligence studies, and socio-psychological aspects of group behavior and decision-making. The concentration is aimed at understanding the human element of cyber-operations involving social influence including social media warfare.

augusta.edu/pamplin/maiss

Program Contact

Dr. Craig Albert

706-737-1710

maiss@augusta.edu

AU Online Admissions

706-770-6046

admissions@online.augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Program Information

Program Length: 2 Years

CIP Code: 45.1001

Program Code: 1MA-INSC

Degree Requirements

Major Courses: 18 Credit Hours

SECR 6411 - Introduction to Intelligence Studies (3 Credit Hours)
or SECR 6980 - Introduction to Cyber Intelligence and Cybersecurity Policy (3 Credit Hours)
SECR 6412 - Intelligence Collection (3 Credit Hours)
or SECR 6415 - Intelligence Analysis (3 Credit Hours)
or SECR 6981 - Cyber Conflict: History and Theory of Cyber War (3 Credit Hours)
SECR 6600 - Research Design and Writing for Intelligence and Security Studies (3 Credit Hours)
SECR 6906 - Terrorism Studies (3 Credit Hours)
or SECR 6351 - Homeland Security (3 Credit Hours)
SECR 6910 - International Relations Theory (3 Credit Hours)
SECR 6911 - Introduction to Security Studies (3 Credit Hours)

Concentration Courses: 12 Credit Hours

SECR 6168 - Cross-Cultural Security and Psychology (3 Credit Hours)
SECR 6413 - Open-Source Intelligence (3 Credit Hours)
SECR 6920 - Weaponizing Information: The History and Theory of Propaganda (3 Credit Hours)
SECR 6982 - Information Warfare (3 Credit Hours)

Capstone/Thesis: 6 Credit Hours

Select one of the following options:

Option 1

SECR 6997 - Capstone (0 to 6 Credit Hours)

Option 2

SECR 6998 - Thesis I (3 Credit Hours)

SECR 6999 - Thesis II (3 Credit Hours)

Option 3

SECR 6916 - The Causes and Prevention of War (3 Credit Hours)

Any other SECR course (3 Credit Hours) *(Courses not taken from Cyber/Intel above are recommended)*

Elective Courses

PADM 6020 - Geographic Information Systems for Public Management (3 Credit Hours)

PADM 6150 - Leadership and Ethics (3 Credit Hours)

SECR 6412 - Intelligence Collection (3 Credit Hours)

SECR 6414 - Public Health and Medical Intelligence: Security and Civilian Principles and Applications (3 Credit Hours)

SECR 6415 - Intelligence Analysis (3 Credit Hours)

SECR 6650 - National Security and Public Policy (3 Credit Hours)

SECR 6809 - Ethnic Conflict and Political Violence (3 Credit Hours)

SECR 6810 - The Politics of Islam and International Security (3 Credit Hours)
 SECR 6813 - Environmental Issues in International Security (3 Credit Hours)
 SECR 6814 - Space and International Security (3 Credit Hours)
 SECR 6815 - Weapons of Mass Destruction and International Security (3 Credit Hours)
 SECR 6912 - Counterterrorism Studies (3 Credit Hours)
 SECR 6913 - Critical Security Studies (3 Credit Hours)
 SECR 6914 - Future Wars (3 Credit Hours)
 SECR 6915 - The Economics of International Security (3 Credit Hours)
 SECR 6917 - Democracy and Conflict (3 Credit Hours)
 SECR 6918 - Stability and Peacekeeping Operations (3 Credit Hours)
 SECR 6919 - The Psychology of Terrorism (3 Credit Hours)
 SECR 6950 - Selected Topics in Intelligence and Security Studies (3 Credit Hours)
 SECR 6980 - Introduction to Cyber Intelligence and Cybersecurity Policy (3 Credit Hours)
 SECR 6981 - Cyber Conflict: History and Theory of Cyber War (3 Credit Hours)
 SECR 6983 - Hybrid Warfare (3 Credit Hours)
 SECR 7000 - Directed Readings in Intelligence and Security Studies (0 to 6 Credit Hours)

Degree Total: 36 Hours

Master of Arts with a Major in Intelligence and Security Studies with a Concentration in Technical Intelligence Analysis

Program Overview

The Technical Intelligence Analysis Concentration prepares students to analyze the full lifecycle of foreign and domestic intelligence threats using the most effective structured analytical techniques and data analysis tools. Skills learned include but are not limited to, open-source collection, social media intelligence, and data analytics. The concentration focuses on giving students the tools necessary to begin or enhance their careers in the United States Intelligence Community. Courses in this concentration rely on a practical approach to the curricula to better develop relevant skills; therefore, priority is given to using real-world case studies and curated data sets. Students will be able to apply these skills toward the production of innovative and cogent assessments to complex problems existing within the US geostrategic landscape. This concentration is fully online, asynchronous, and can be completed in one year. It is a 10-course, 30 credit-hour degree concentration offered by Augusta University Online.

augusta.edu/pamplin/maiss

augusta.edu/online/master-of-arts-intelligence-and-security-studies

Program Contact

Dr. Craig Albert

706-737-1710

maiss@augusta.edu

AU Online Admissions

706-770-6046

admissions@online.augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Program Information

Program Length: 2 Years

CIP Code: 45.1001

Program Code: 1MA-INSC

Major Code: INSC

Concentration Code: TIAN

Degree Requirements

Required Courses: 30 Hours

SECR 6601 - Data Analytics for Intelligence Analysis (3 Credit Hours)

SECR 6602 - Introduction to Machine Learning for Intelligence Analysis (3 Credit Hours)

SECR 6603 - Intro to Intelligence: Theory and Practice (3 Credit Hours)

SECR 6604 - Intelligence Analysis: Theory and Practice (3 Credit Hours)

SECR 6606 - Counterintelligence: Theory and Practice (3 Credit Hours)

SECR 6607 - Open-Source Intelligence: Theory and Practice (3 Credit Hours)

SECR 6611 - Social Media Network Analysis (3 Credit Hours)

SECR 6612 - Social Media Text Analysis (3 Credit Hours)

SECR 6910 - International Relations Theory (3 Credit Hours)

SECR 6911 - Introduction to Security Studies (3 Credit Hours)

Degree Total: 30 Hours

Master of Arts in Teaching

Master of Arts in Teaching with a Concentration in Elementary Education

Program Overview

The MAT is a graduate level initial teacher certification program. This program is designed for candidates that have obtained an undergraduate degree in a field outside of education. This program has an online option.

augusta.edu/education/teaching-leading/ma-teaching

Program Contact

Gordon Eisenman

706-737-1496

geisenman@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- Students must successfully pass BOTH Test I and Test II (001 & 002) of the GACE Content Assessments for Early Childhood prior to Student Teaching
- If the State Certification Exam is passed, content is deemed to be satisfactory. Areas of content weakness will be addressed as prerequisites as determined by the appropriate Pamplin College of Arts and Sciences department(s).
- MATH 5241 must be completed prior to MATH 5242

- Must complete Ethics 360 Exit Assessment
- To graduate, students must have an overall 2.8 GPA and earn a C or better in all courses toward the degree

Program Information

Program Length: 2 Years

CIP Code: 13.0101

Program Code: 1MAT-MAT

Major Code: MAT

Concentration Code: ELEM

Certification Requirements

- SPED 5002 - Instructional Strategies for Teaching Students with Disabilities in General Education Settings (3 Credit Hours)
- Successful completion of State Certification Exam (GACE II)

Degree Requirements

Major Courses: 15 Hours

EDTD 5364 - Planning for Instruction (3 Credit Hours)

EDTD 5381 - Assessment and Differentiation (3 Credit Hours)

EDTD 5491 - Classroom Management Techniques and Strategies (3 Credit Hours)

EDTD 5910 - MAT Culminating Residency (4 Credit Hours) (*GACE II Content Tests must be successfully completed as a prerequisite*)

EDTD 5940 - Foundations of Reading Seminar (2 Credit Hours)

Concentration Courses: 24 Hours

EDTD 5221 - Best Practices in Language Arts Education (3 Credit Hours)

EDTD 5231 - Best Practices in Social Science Education (3 Credit Hours)

EDTD 5241 - Best Practices in Mathematics Education (3 Credit Hours)

EDTD 5251 - Best Practices in Science Education (3 Credit Hours)

EDTD 5274 - Introduction to Literacy (3 Credit Hours)

EDTD 5275 - Introduction to Literacy Assessment (3 Credit Hours)

MATH 5241 - Numbers and Operations for Teachers (3 Credit Hours)

MATH 5242 - Geometry and Measurement for Teachers (3 Credit Hours)

Degree Total: 39 Hours

Master of Arts in Teaching with a Concentration in Middle Grades Education

Program Overview

The MAT is a graduate level initial teacher certification program. This program is designed for candidates that have obtained an undergraduate degree in a field outside of education.

augusta.edu/education/teaching-leading/ma-teaching

Program Contact

Gordon Eisenman

706-737-1496

geisenman@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- Students must successfully pass BOTH GACE Content Exams (011, 013, 014, or 015) prior to student teaching
- To graduate, students must have an overall 2.8 GPA and earn a C or better in all courses toward the degree

Program Information

Program Length: 2 Years

CIP Code: 13.0101

Program Code: 1MAT-MAT

Major Code: MAT

Concentration Code: MIDD

Certification Requirements:

- SPED 3002 - Teaching Students with Disabilities in the Inclusive Classroom (3 Credit Hours)
- Successful completion of State Certification Exams (GACE II) in one area of concentration:
 - (011) Middle Grades Language Arts
 - (013) Middle Grades Mathematics
 - (014) Middle Grades Science
 - (015) Middle Grades Social Studies

Degree Requirements

Major Courses: 15 Hours

EDTD 5364 - Planning for Instruction (3 Credit Hours)

EDTD 5381 - Assessment and Differentiation (3 Credit Hours)

EDTD 5491 - Classroom Management Techniques and Strategies (3 Credit Hours)

EDTD 5910 - MAT Culminating Residency (4 Credit Hours) (*GACE II Content Tests must be successfully completed as a prerequisite*)

EDTD 5940 - Foundations of Reading Seminar (2 Credit Hours)

Concentration Courses: 21 Hours

15 hours of undergraduate content in each concentration area are required, with at least nine of those hours at the junior (3000) level or higher. Areas of content weakness will be addressed as prerequisites. State Certification Exams (GACE II) in one content area must be passed prior to student teaching.

EDUC 5020 - Theories of Learning (3 Credit Hours)

EDTD 5225 - Reading and Writing Across the Curriculum (3 Credit Hours)

EDTD 5411 - Understanding and Teaching Early Adolescents (3 Credit Hours)

EDTD 5412 - Theory Into Practice in Middle Grades (3 Credit Hours)

EDTD 5432 - Teaching for Equity and Diversity (3 Credit Hours)

Elective (3 Credit Hours) (Elective must be a graduate course in a related field)

Elective (3 Credit Hours) (Elective must be a graduate course in a related field)

Content Pedagogy Course: 3 Hours

Select one of the following pedagogy courses based upon program concentrations:

EDTD 5222 - Best Practices in Language Arts Education for Middle/Secondary (3 Credit Hours)

EDTD 5232 - Best Practices in Social Science Education for Middle/Secondary Teachers (3 Credit Hours)

EDTD 5242 - Best Practices in Mathematics Education for Middle/Secondary Teachers (3 Credit Hours)

Degree Total: 39 Hours

Master of Arts in Teaching with a Concentration in Music Education

Program Overview

The MAT is a graduate level initial teacher certification program. This program is designed for candidates that have obtained an undergraduate degree in a field outside of education.

augusta.edu/education/teaching-leading/ma-teaching

Program Contact

Dr. Robert Saunders
706-667-4868

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- Must complete Ethics 360 Exit Assessment
- State Certification Exam (GACE II) must be passed with satisfactory score prior to entry into the MAT in Music Education
- To graduate, students must have an overall 2.8 GPA and earn a C or better in all courses toward the degree

Program Information

Program Length: 2 Years
CIP Code: 13.0101
Program Code: 1MAT-MAT
Major Code: MAT
Concentration Code: MUED

Certification Requirement

SPED 5002 - Instructional Strategies for Teaching Students with Disabilities in General Education Settings (3 Credit Hours)

Degree Requirements

State Certification Exam (GACE II) must be passed prior to entry into the MAT in Music Education.

Major Courses: 15 Hours

EDTD 5364 - Planning for Instruction (3 Credit Hours)
EDTD 5381 - Assessment and Differentiation (3 Credit Hours)
EDTD 5491 - Classroom Management Techniques and Strategies (3 Credit Hours)
EDTD 5910 - MAT Culminating Residency (4 Credit Hours)
EDTD 5940 - Foundations of Reading Seminar (2 Credit Hours)

Concentration Courses: 21 Hours

EDTD 5225 - Reading and Writing Across the Curriculum (3 Credit Hours)
EDTD 5432 - Teaching for Equity and Diversity (3 Credit Hours)

MUSI 6410 - Elementary and Middle School Methods (3 Credit Hours)
MUSI 6411 - Conducting and Methods of Secondary Instruments (3 Credit Hours)
MUSI 6412 - Conduction and Methods of Secondary Choral (3 Credit Hours)
MUSI 6413 - Foundations in Music Education (3 Credit Hours)
Music Elective (1 Credit Hour)
Music Elective (1 Credit Hour)
Music Elective (1 Credit Hour)

Elective: 3 Hours

Select an elective graduate course in a related field. Approval from the program coordinator is required prior to registration.

Elective (3 Credit Hours)

Degree Total: 39 Hours

Master of Arts in Teaching with a Concentration in Secondary Education

Program Overview

The MAT is a graduate level initial teacher certification program. This program is designed for candidates that have obtained an undergraduate degree in a field outside of education.

augusta.edu/education/teaching-leading/ma-teaching

Program Contact

Dr. Juan Walker
706-737-1496

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- Must complete Ethics 360 Exit Assessment
- State Certification Exam (GACE II) must be passed prior to entry into the MAT in Secondary Education
- To graduate, students must have an overall 2.8 GPA and earn a C or better in all courses toward the degree

Program Information

Program Length: 2 Years
CIP Code: 13.0101
Program Code: 1MAT-MAT
Major Code: MAT
Concentration Code: ENED (English); HIED (History); MABL (Biology); MACM (Chemistry); MAED (Mathematics); MAPH (Physics); MAPS (Political Science)

Certification Requirements

- SPED 5002 - Instructional Strategies for Teaching Students with Disabilities in General Education Settings (3 Credit Hours)

- Obtain passing score on State Certification Exam (GACE II)

Degree Requirements

Major Courses: 15 Hours

EDTD 5364 - Planning for Instruction (3 Credit Hours)
EDTD 5381 - Assessment and Differentiation (3 Credit Hours)
EDTD 5491 - Classroom Management Techniques and Strategies (3 Credit Hours)
EDTD 5910 - MAT Culminating Residency (4 Credit Hours)
EDTD 5940 - Foundations of Reading Seminar (2 Credit Hours)

Concentration Courses: 18 Hours

EDUC 5020 - Theories of Learning (3 Credit Hours)
EDTD 5101 - Secondary School Curriculum Design (3 Credit Hours)
EDTD 5102 - Secondary School Curriculum Theory (3 Credit Hours)
EDTD 5225 - Reading and Writing Across the Curriculum (3 Credit Hours)
EDTD 5432 - Teaching for Equity and Diversity (3 Credit Hours)

Content Pedagogy Course: 3 Hours

Select one of the following based on your content field:

EDTD 5222 - Best Practices in Language Arts Education for Middle/Secondary (3 Credit Hours)
EDTD 5232 - Best Practices in Social Science Education for Middle/Secondary Teachers (3 Credit Hours)
EDTD 5242 - Best Practices in Mathematics Education for Middle/Secondary Teachers (3 Credit Hours)
EDTD 5252 - Best Practices in Science Education for Middle/Secondary Teachers (3 Credit Hours)

Electives: 6 Hours

Select elective graduate courses in a related field. Approval of the program coordinator is required prior to registration.

Elective (3 Credit Hours)

Elective (3 Credit Hours)

Degree Total: 39 Hours

Master of Arts in Teaching with a Concentration in Special Education

Program Overview

The MAT is a graduate level initial teacher certification program. This program is designed for candidates that have obtained an undergraduate degree in a field outside of education. This is a fully online program.

augusta.edu/education/teaching-leading/ma-teaching

Program Contact

Dr. Jessica Simpson
706-729-2980

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- Must complete Ethics Exit Assessment
- Successful completion of Masters E-Portfolio in SPED 5013
- To graduate, students must have an overall 2.8 GPA and earn a C or better in all courses toward the degree

Program Information

Program Length: 2 Years

CIP Code: 13.0101

Program Code: 1MAT-MAT

Major Code: MAT

Concentration Code: SPGC

Certification Requirements

Required:

GACE SPED General Curriculum Assessments (081)

GACE SPED General Curriculum Assessments (082)

Although not required for certification, for employment purposes, these GACE tests are highly recommended:

GACE SPED Content – HQ (Math and Science) (087)

GACE SPED Content – HQ (Reading, LA, and Social Studies) (088)

Degree Requirements

15 hours of undergraduate content in one area of the following concentration areas of Mathematics, Language Arts, Science, or Social Studies are required. Areas of content weakness will be addressed as prerequisites.

EDTD 5940 - Foundations of Reading Seminar (2 Credit Hours)

MATH 5241 - Numbers and Operations for Teachers (3 Credit Hours)

SPED 5001 - Policies and Procedures in Special Education (3 Credit Hours)

SPED 5003 - Educational Assessment in Special Education (3 Credit Hours)

SPED 5004 - Collaboration and Consultation in Special Education (3 Credit Hours)

SPED 5005 - Educational Planning for Exceptional Students (3 Credit Hours)

SPED 5006 - Language Development and Communication Disorders (3 Credit Hours)

SPED 5008 - Assessment and Instruction in Literacy for Students with Mild Disabilities (3 Credit Hours)

SPED 5009 - Family and Community Engagement for Exceptional Children (3 Credit Hours)

SPED 5013 - SPED MAT Culminating Residency (4 Credit Hours) (*GACE SPED General Curriculum Assessments (081 & 082) must be passed before Student Teaching*)

SPED 5110 - Characteristics of Students with Mild Disabilities (3 Credit Hours)

SPED 5120 - Methods of Instruction for Students with Mild Disabilities (3 Credit Hours)

SPED 5130 - Classroom and Behavior Management (3 Credit Hours)

Degree Total: 39 Hours

Master of Arts in Teaching with a Concentration in World Language

Program Overview

The MAT is a graduate level initial teacher certification program. This program is designed for candidates that have obtained an undergraduate degree in a field outside of education.

augusta.edu/education/teaching-leading/ma-teaching

Program Contact

Dr. Juan Walker
706-737-1496

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- Must complete Ethics 360 Exit Assessment
- To graduate, students must have an overall 2.8 GPA and earn a C or better in all courses toward the degree

Program Information

Program Length: 2 Years
CIP Code: 13.0101
Program Code: 1MAT-MAT
Major Code: MAT
Concentration Code: WLNG

Certification Requirements

SPED 5002 - Instructional Strategies for Teaching Students with Disabilities in General Education Settings (3 Credit Hours)

Degree Requirements

State Certification Exam (GACE II) must be passed at the "Induction" level or "Professional" level before entry into the program.

EDUC 5020 - Theories of Learning (3 Credit Hours)
EDTD 5225 - Reading and Writing Across the Curriculum (3 Credit Hours)
EDTD 5364 - Planning for Instruction (3 Credit Hours)
EDTD 5381 - Assessment and Differentiation (3 Credit Hours)
EDTD 5432 - Teaching for Equity and Diversity (3 Credit Hours)
EDTD 5491 - Classroom Management Techniques and Strategies (3 Credit Hours)
EDTD 5910 - MAT Culminating Residency (4 Credit Hours)
EDTD 5940 - Foundations of Reading Seminar (2 Credit Hours)
Elective (3 Credit Hours)
Elective (3 Credit Hours)
Elective (3 Credit Hours)

Language Sequence

Select one of the following language sequences:

French

FREN 6801 - Methods and Materials for Teaching World Languages I (3 Credit Hours)
FREN 6802 - Methods and Materials for Teaching World Languages II (3 Credit Hours)

Spanish

SPAN 6801 - Methods and Materials for Teaching World Languages I (3 Credit Hours)
SPAN 6802 - Methods and Materials for Teaching World Languages II (3 Credit Hours)

Degree Total: 39 Hours

Master of Business Administration

Master of Business Administration

Program Overview

The Master of Business Administration (MBA) degree program will provide advanced business education beyond the baccalaureate level and prepare students to assume responsible management and professional positions in private and public organizations. The curriculum has been designed to provide breadth of exposure to business administration disciplines rather than specialization in any single discipline. To accommodate students who have part-time or full-time careers, Hull MBA courses are offered online or in the evening, with face-to-face and hybrid formats.

augusta.edu/hull/mba-program

Program Contact

Matt Brocato, Business Programs Coordinator
704-667-4542
HULLMBA@augusta.edu

Program Accreditation

The Hull College of Business is accredited by the Association to Advance Collegiate Schools of Business (AACSB).

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- Hull MBA students are to maintain a 2.8 GPA or higher to remain in good academic standing, but will require a 3.0 for graduation.
- All requirements for the Hull MBA degree must be completed within five consecutive years.
- A grade of C or better required in all courses.

Program Information

Program Length: 2 Years
CIP Code: 52.0201
Program Code: 1MBA
Major Code: MBA

Degree Requirements

ACCT 6300 - Accounting for Managers (3 Credit Hours)
ECON 6800 - National and International Economics for Management (3 Credit Hours)
FINC 6400 - Managerial Finance (3 Credit Hours)
MGMT 6500 - Organizational Behavior (3 Credit Hours)
MGMT 6510 - Managerial Leadership: Professional and Personal Development (3 Credit Hours)
MGMT 6580 - Strategic Management (3 Credit Hours)
MINF 6620 - Management of Information Technology (3 Credit Hours)
MKTG 6700 - Marketing Management (3 Credit Hours)
QUAN 6600 - Business Analytics for Managers (3 Credit Hours)
QUAN 6610 - Designing, Managing, and Improving Operations (3 Credit Hours)

Degree Total: 30 Hours

Master of Business Administration - Georgia WebMBA Program Overview

The online program delivers an AACSB International accredited, accelerated MBA degree with the same quality and service offered on campus.

This online Master of Business Administration (MBA) degree is offered through the Georgia WebMBA®, a consortium of AACSB-accredited schools. Emphasis is placed upon global business, human behavior, organizations, accounting, operations, marketing, finance, management information systems, and their impact on managerial decision making. The program focuses on the practical application of these tools, techniques, and concepts.

The WebMBA is a 30-hour program, requiring a student to complete 10 graduate courses. The program opens three cohorts in fall and spring with students taking two courses each semester for five consecutive semesters. This degree is 100% online.

The program is delivered by seven University System of Georgia schools, all fully accredited by AACSB International. It was developed by a group of faculty, directors, and deans in the late 1990s to provide access to an MBA for potential students who could not attend campus programs because of driving distance, work schedule, or family obligations. The Board of Regents of the University System of Georgia approved the pilot program in 2000. Permanent status was granted in 2002.

augusta.edu/hull/mba-program

Program Contact

Matt Brocato, Business Programs Coordinator
704-667-4542
HULLMBA@augusta.edu

Admissions Information

For more information on admissions, please see the Office of Admissions website.

Progression and Graduation Requirements

- The Georgia WebMBA graduation requirements mirror the requirements of the home institution. Therefore, the graduation requirements are the same as those for the Hull MBA face-to-face program at AU.
- Hull MBA students are to maintain a 2.8 GPA or higher to remain in good academic standing, but will require a 3.0 for graduation.
- All requirements for the Hull MBA degree must be completed within five consecutive years.
- A grade of C or better required in all courses.
- Additional progression requirements are listed under Additional Academic Policies in the WebMBA Student Handbook.
- Once students are admitted into one university, they cannot move to another university.
- Students in one cohort can take courses only in that cohort. Students admitted into one cohort cannot shift cohorts.
- Students who fail a course have options to redo the course, if a faculty member is willing to do a directed study, and if the home institution's MBA Director approves it and the school policy allows it, or if there is another appropriate venue.
- Students who cannot continue in the program (current cohort and team) and withdraw, and then seek to be re-admitted, must be re-admitted to the program under the guidelines of their home institution.

Students cannot transfer back into the program after their third consecutive semester; i.e., a student cannot withdraw during or at the end of the fourth semester, then rejoin for the fourth and/or fifth semester. Students rejoining the program must attend the orientation (paying the orientation fee again) and must work with a new team.

Degree Requirements

WMBA 1000 - WebMBA Orientation (0 Credit Hours)
 WMBA 6000 - Human Behavior in Organizations (3 Credit Hours)
 WMBA 6010 - Managerial Accounting (3 Credit Hours)
 WMBA 6030 - Global and International Business (3 Credit Hours)
 WMBA 6040 - Managerial Decision Analysis Using Business Intelligence (3 Credit Hours)
 WMBA 6050 - Strategic Marketing (3 Credit Hours)
 WMBA 6060 - Managerial Finance (3 Credit Hours)
 WMBA 6070 - Entrepreneurship (3 Credit Hours)
 WMBA 6080 - Management Information System (3 Credit Hours)
 WMBA 6100 - Operations and Supply Chain Management (3 Credit Hours)
 WMBA 6110 - Business Strategic Management (3 Credit Hours)

Degree Total: 30 Hours

Master of Business Administration with a Concentration in Healthcare Management

Program Overview

This program is designed for students pursuing a management role in the healthcare and health services industries, as well as students that already have a background in healthcare delivery, particularly clinical professionals. For example, physicians, nurses, pharmacists, dentists, and clinical technologists may be interested in the program as a path toward a more management-oriented role within their organization.

This program is ideal for students interested in advanced studies in healthcare management to advance students' knowledge and expertise in healthcare management theory and practice as well as prepare students for advanced careers in healthcare management, consulting, research and scholarship. After earning this degree, graduates are well-prepared to pursue a variety of positions in healthcare management and clinical practice management. Healthcare industry sectors include, but are not limited to, hospitals, private and public health sectors, physicians' offices, non-profit health organizations, and health insurance providers.

augusta.edu/hull/mba-program

Program Contact

Matt Brocato, Business Programs Coordinator
 704-667-4542
HULLMBA@augusta.edu

Program Accreditation

The Hull College of Business is accredited by the Association to Advance Collegiate Schools of Business (AACSB).

Admissions Information

For those with a bachelor's degree from an accredited university, the requirements will remain the same as those pursuing our traditional Master of Business Administration degree (i.e., transcripts, three letters of recommendation, and two years of professional business work experience; learn more about admissions requirements at augusta.edu/gradschool/mba-adm-reqs). For those already with or

concurrently enrolled in attaining advanced degrees (e.g., MD, DMD, PhD, PharmD, DNP, MPH), we will consider a waiver request for letters of recommendation and two years of professional business work experience requirements.

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- Hull MBA students are to maintain a 2.8 GPA or higher to remain in good academic standing, but will require a 3.0 for graduation.
- All requirements for the Hull MBA degree must be completed within 5 consecutive years.
- A grade of C or better required in all courses.

Program Information

Program Length: 1 Year

CIP Code: 52.0201

Program Code: 1MBA

Major Code: MBA

Concentration Code: HCMT

Degree Requirements

Major Courses: 18 Hours

FINC 6400 - Managerial Finance (3 Credit Hours)

MGMT 6510 - Managerial Leadership: Professional and Personal Development (3 Credit Hours)

MGMT 6580 - Strategic Management (3 Credit Hours)

MINF 6620 - Management of Information Technology (3 Credit Hours)

MKTG 6700 - Marketing Management (3 Credit Hours)

QUAN 6600 - Business Analytics for Managers (3 Credit Hours)

Concentration Courses: 12 Hours

ACCT 6350 - Accounting for Healthcare Managers (3 Credit Hours)

MGMT 6560 - Health Policy and Management: Delivery of Healthcare in the US (3 Credit Hours)

QUAN 6650 - Healthcare Operations Management (3 Credit Hours)

ECON 6850 - Health Economics (3 Credit Hours)

Degree Total: 30 Hours

Master of Clinical and Translational Science

Master of Clinical and Translational Science

Program Overview

The primary objective of the Master of Clinical and Translational Science program is to provide an educational environment in which students will learn how to apply the principles and methods of Clinical and Translational Science (CTS) through didactic curricula and participation in practical, collaborative, mentored research. Primary emphasis is placed on practical application of the scientific method, with less focus on theoretical issues.

The program will: (1) provide trainees with essential skills in CTS, including hypothesis generation, research design, data analysis, interpretation and dissemination of results, critical appraisal of scientific literature, grant preparation, human research protection, and research ethics; (2) help to establish new collaborative relationships at Augusta University among current basic science, clinical, and translational researchers; and (3) improve research productivity among junior faculty and other clinical researchers at Augusta University through their participation in mentored research, a requirement for all who complete the Master of Clinical and Translational Science.

augusta.edu/mcg/dphs/academic_programs/cts

Program Contact

Dr. Steven Coughlin

706-721-3785

scoughlin@augusta.edu

Admissions Information

For more information, please visit the Office of Admissions website.

Progression and Graduation Requirements

- A cumulative GPA of 2.8 or greater.
- Grade of C or better in all courses in the student's program of study.
- Successful completion of the Capstone Project.

Program Information

Program Length: 2 Years

CIP Code: 51.1401

Program Code: MCTS_CTS

Degree Requirements

Major Courses: 24 Hours

CTRS 7100 - Grant Writing for Clinical and Translational Science (2 Credit Hours)

CTRS 7900 - Capstone Project (1 to 3 Credit Hours)

MPHC 8011 - Ethical Conduct in Research (1 Credit Hour)

STAT 7010 - Biostatistics I (3 Credit Hours)

STAT 7020 - Biostatistics II (3 Credit Hours)

STAT 7130 - Introduction to Epidemiology (3 Credit Hours)

STAT 7240 - Introduction to Clinical Trials (3 Credit Hours)

STAT 7260 - Design Analysis and Observational Studies (3 Credit Hours)

STAT 7370 - Intermediate Epidemiology (3 Credit Hours)

Elective Courses: 6 Hours

Select from the following:

CTRS 7210 - Methods for Decision Making in Clinical Practice (3 Credit Hours)

CTRS 7220 - Economic Approaches to Clinical Decision Making (3 Credit Hours)

DATS 7510 - Programming for Data Analysis (3 Credit Hours)

DATS 7530 - Computing for Data Science (3 Credit Hours)

DATS 7760 - Data and Visual Analytics (3 Credit Hours)

DATS 7860 - Statistical and Machine Learning for Big Data (3 Credit Hours)

EPID 7380 - Chronic Disease Epidemiology (3 Credit Hours)

EPID 7390 - Infectious Disease Epidemiology: Theory and Methods (3 Credit Hours)

MPHM 8280 - Research Methods in Public Health (3 Credit Hours)

STAT 7350 - Epidemic Investigation (3 Credit Hours)

Degree Total: 30 Hours

Master of Education

Master of Education with a Major in Counselor Education and a Concentration in Clinical Mental Health Counseling

Program Overview

The Counselor Education Master of Education (M.Ed.) degree graduate program at Augusta University prepares students for professional careers as either counselors in K-12 educational settings or in community mental health and private practice settings. The school counseling program prepares students to become eligible for professional certification in school counseling according to the Georgia Professional Standards Commission (GaPSC). The Clinical Mental Health Counseling program prepares students to become eligible for licensure as professional counselors according to the Georgia Board of Professional Counselors, Social Workers, and Marriage & Family Therapists. Early in the program, students are assisted by faculty advisors as needed in determining which specialty area will most closely align with their career goals. Many courses require outside field experiences, coordinated by the faculty, to help students gain a sense of professional responsibilities and expectations in the field. The student body is quite diverse, and the program is committed to increasing and supporting diverse student enrollment in order to be representative of the surrounding community. Both the School Counseling and Clinical Mental Health Counseling concentrations are accredited by the Council for the Accreditation of Counseling and Related Educational Programs (CACREP).

The counselor education program is designed to meet the needs of both traditional and non-traditional students. The program operates on a cohort system that requires enrollment in specific courses. However, with advisor approval, students are able to enroll in courses according to their abilities, circumstances, and pace, as long as the program is successfully completed within seven years from the acceptance date. Courses are generally offered on campus during evening hours to accommodate those who may already be working as teachers or in other professional career areas. It is not required, however, that applicants have a teaching certificate or work experience for acceptance into the program. Individuals with at least some work or educational experience may be considered more highly, but it is not required. Both the school counseling and the clinical mental health counseling concentration areas also require intensive practicum and internship experiences near the end of the course of study. For future school counselors, the practicum and internship placements are completed in school settings at the elementary or secondary levels. For those specializing in clinical mental health counseling, internships are held at local hospitals, mental health centers, and other community agencies. In addition, the program will offer field experiences in the Counselor Education Training Center (CETC) located on the Summerville Campus, beginning Summer 2026.

All full-time counselor education program faculty hold doctoral degrees and have professional experience in their particular subject areas. Faculty hold professional licensure (LPC) and certifications from national or state certification organizations. Also, faculty are meaningfully involved in the counseling profession as active members or leaders in organizations including but not limited to the American Counseling Association (ACA), the Association for Counselor Education and Supervision (ACES), Georgia American Counseling Association (GA ACA), Georgia School Counselor Association (GSCA), South Carolina School Counselor Association (SCSCA), and/or the South Carolina Counseling Association (SCCA). Faculty members frequently present at regional and national conferences, quite often in collaboration with counseling students, reporting on descriptive or experimental research conducted during the program.

augusta.edu/education/research

Program Contact

Dr. Richard Deaner
706-737-1497
rdeaner@augusta.edu

Program Accreditation

College of Education programs leading to teacher certification or educational leader certification are accredited by the Georgia Professional Standards Commission. The M.Ed. in Counselor Education is accredited for the school counseling and clinical mental health concentrations by the Council for Accreditation of Counseling and Related Educational Programs (CACREP).

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

To graduate, students must have an overall 2.8 GPA.

Program Information

Program Length: 2.5 Years, Full-Time
CIP Code: 13.1101
Program Code: 1MED-COUNSEL

Degree Requirements

Foundation Courses: 6 Hours

COUN 6640 - Comprehensive Assessment in Counseling (3 Credit Hours)
COUN 6650 - Research and Evaluation in Counseling (3 Credit Hours)
or EDUC 6021 - Introduction to Educational Research (3 Credit Hours)

Counselor Education Core Courses: 27 Hours

COUN 6620 - Human Growth and Development for Counselors (3 Credit Hours)
COUN 6630 - Professional Orientation and Ethics (3 Credit Hours)
COUN 6660 - Communication Skills in Counseling (3 Credit Hours)
COUN 6670 - Group Counseling (3 Credit Hours)
COUN 6680 - Theories and Techniques of Counseling (3 Credit Hours)
COUN 6720 - Career Development Theories and Practice (3 Credit Hours)
COUN 6760 - Diversity Sensitivity in Counseling (3 Credit Hours)
COUN 6770 - Crisis Intervention Counseling (3 Credit Hours)
COUN 6890 - Practicum in Clinical Mental Health Counseling (3 Credit Hours)

CMHC Specialized Courses: 21 Hours

COUN 6700 - Couples and Family Counseling (3 Credit Hours)
COUN 6790 - Clinical Mental Health Counseling (3 Credit Hours)
COUN 6800 - Diagnosis and Psychopathology in Counseling (3 Credit Hours)
COUN 6840 - Introduction to Addictions Counseling (3 Credit Hours)
COUN 6850 - Treatment Planning and Intervention in Counseling (3 Credit Hours)
COUN 6910 - Internship I in Clinical Mental Health Counseling (3 Credit Hours)
COUN 6930 - Internship II in Clinical Mental Health Counseling (3 Credit Hours) (Capstone)

CMHC Electives: 6 Hours

Select two of the following in collaboration with an advisor:

COUN 6860 - Counseling Children and Adolescents (3 Credit Hours)
 COUN 6870 - Gender and Sexuality Issues in Counseling (3 Credit Hours)
 COUN 6950 - Problems and Issues in the Practice of Counseling (1 to 3 Credit Hours)
 PSYC 6143 - Behavior Pathology (3 Credit Hours)
 PSYC 6182 - Clinical and Addictive Psychopharmacology (3 Credit Hours)

Degree Total: 60 Hours

Master of Education with a Major in Counselor Education with a Concentration in School Counseling Program Overview

The Counselor Education Master of Education (MEd) degree graduate program at Augusta University prepares students for professional careers as either school counselors in K-12 educational settings or counselors in community mental health and private practice settings. The school counseling program prepares students to become eligible for professional certification in school counseling according to the Georgia Professional Standards Commission (GaPSC). The clinical mental health counseling program prepares students to become eligible for licensure as professional counselors according to the Georgia Board of Professional Counselors, Social Workers, and Marriage & Family Therapists. Early in the program, students are assisted by faculty advisors as needed in determining which specialty area will most closely align with their career goals. Many courses require outside field experiences, coordinated by the faculty, to help students gain a sense of professional responsibilities and expectations in the field. The student body is quite diverse, and the program is committed to increasing and supporting diverse student enrollment in order to be representative of the surrounding community. Both the school counseling and clinical mental health counseling concentrations are accredited by the Council for the Accreditation of Counseling and Related Educational Programs (CACREP).

The counselor education program is designed to meet the needs of both traditional and non-traditional students. The program operates on a cohort system that requires enrollment in specific courses each semester. However, with advisor approval, students are able to enroll in courses according to their abilities, circumstances, and pace as long as the program is successfully completed within seven years from the acceptance date. Courses are generally offered on campus during evening hours to accommodate those who may already be working as school teachers or in other professional career areas. It is not required, however, that applicants have a teaching certificate or work experience for acceptance into the program. Individuals with at least some work or educational experience may be considered more highly, but it is not required. Both the school counseling and the clinical mental health counseling concentration areas also require intensive practicum and internship experiences near the end of the course of study. For future school counselors, the practicum and internship placements are completed in school settings at the elementary or secondary levels. For those specializing in clinical mental health counseling, internships are held at local hospitals, mental health centers, and other community agencies.

All full-time counselor education program faculty hold doctoral degrees and have professional experience in their particular subject areas. Faculty hold professional licensure (LPC) and certifications from the national or state certification organizations. Also, faculty are meaningfully involved in the counseling profession as active members or leaders in organizations including but not limited to the American Counseling Association (ACA), the Association for Counselor Education and Supervision (ACES), Georgia American Counseling Association (GA ACA), Georgia School Counselor Association (GSCA), South Carolina School Counselor Association (SCSCA), and/or the South Carolina Counseling Association (SCCA). Faculty members frequently present at regional and national conferences, quite often in collaboration with counseling students, reporting on descriptive or experimental research conducted during the program.

augusta.edu/education/research

Program Contact

Jordon Beasley
706-737-1497
jbeasley@augusta.edu

Program Accreditation

College of Education programs leading to teacher certification or educational leader certification are accredited by the Georgia Professional Standards Commission. The MEd in Counselor Education is accredited for the School Counseling and Clinical Mental Health concentrations by the Council for Accreditation of Counseling and Related Educational Programs (CACREP).

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

To graduate, students must have an overall 2.8 GPA.

Program Information

Program Length: 2.5 Years, Full-Time
CIP Code: 13.1101
Program Code: 1MED-COUNSEL

Degree Requirements

Counselor Core Courses: 33 Hours

COUN 6620 - Human Growth and Development for Counselors (3 Credit Hours)
COUN 6630 - Professional Orientation and Ethics (3 Credit Hours)
COUN 6640 - Comprehensive Assessment in Counseling (3 Credit Hours)
COUN 6650 - Research and Evaluation in Counseling (3 Credit Hours)
COUN 6660 - Communication Skills in Counseling (3 Credit Hours)
COUN 6670 - Group Counseling (3 Credit Hours)
COUN 6680 - Theories and Techniques of Counseling (3 Credit Hours)
COUN 6720 - Career Development Theories and Practice (3 Credit Hours)
COUN 6760 - Diversity Sensitivity in Counseling (3 Credit Hours)
COUN 6770 - Crisis Intervention Counseling (3 Credit Hours)
COUN 6880 - Practicum in School Counseling (3 Credit Hours)

School Counseling Specialized Courses: 27 Hours

COUN 6780 - School Counseling (3 Credit Hours)
COUN 6820 - Administration and Consultation for School Counselors (3 Credit Hours)
COUN 6830 - Advanced Topics in School Counseling (3 Credit Hours)
COUN 6860 - Counseling Children and Adolescents (3 Credit Hours)
COUN 6900 - Internship I in School Counseling (3 Credit Hours)
COUN 6920 - Internship II in School Counseling (3 Credit Hours)

School Counseling Electives: 6-9 Hours

Select from the following:

COUN 6700 - Couples and Family Counseling (3 Credit Hours)
COUN 6800 - Diagnosis and Psychopathology in Counseling (3 Credit Hours)
COUN 6840 - Introduction to Addictions Counseling (3 Credit Hours)
COUN 6850 - Treatment Planning and Intervention in Counseling (3 Credit Hours)
COUN 6870 - Gender and Sexuality Issues in Counseling (3 Credit Hours)

COUN 6930 - Internship II in Clinical Mental Health Counseling (3 Credit Hours)
 COUN 6950 - Problems and Issues in the Practice of Counseling (1 to 3 Credit Hours)
 EDTD 5491 - Classroom Management Techniques and Strategies (3 Credit Hours)
 EDTD 6610 - Foundations of Effective PBIS (3 Credit Hours)
 EDUC 7010 - Critical Issues in Urban Education Policy and Practice (3 Credit Hours)
 EDUC 7011 - Youth Identities in Urban School Contexts (3 Credit Hours)
 EDUC 7012 - Critical Praxis in Urban Educational Contexts (3 Credit Hours)
 SPED 5009 - Family and Community Engagement for Exceptional Children (3 Credit Hours)

Degree Total: 60 Hours

Master of Education with a Major in Instruction

Program Overview

The Master of Education in Instruction degree at Augusta University is designed for educators who hold a valid teaching license, and who are interested in enhancing their professional practice through the study of advanced professional knowledge related to teaching, managing, and learning in P-12 schools.

The program is grounded on the National Board for Professional Teaching Standards five core propositions:

- Teachers are committed to students and their learning.
- Teachers know the subjects they teach and how to teach those subjects to students.
- Teachers are responsible for managing and monitoring student learning.
- Teachers think systematically about their practice and learn from experience.
- Teachers are members of learning communities.

The program is aligned with and addresses the Georgia Department of Education's TAPS performance standards and the teacher evaluation system. The M.Ed. in Instruction is dedicated to:

- Empowering teachers to take control of their own professional development.
- Improving teaching practices leading to improved K-12 student learning.
- Integrating theory, research, and classroom data with advanced practical teaching strategies for classroom implementation.
- Additionally, this program is dedicated to improving teaching practices in the areas of:
 - Teaching and learning strategies
 - Classroom management
 - Instructional technology
 - Teaching diverse learners in the local context
 - Designing and implementing relevant classroom assessments
 - Using data to inform and improve practice

Concentrations are available in:

- Elementary Education
- Middle Grades Education
- Secondary Education
- Special Education
- P-12 in Art Education
- P-12 in Health and Physical Education
- P-12 in Music Education
- P-12 in Drama Education
- General Education

This fully online program consists of 30 credit hours offered through Augusta University Online. Applicants must hold a valid teaching certification. All field assignments and content coursework will reflect existing certification areas. Georgia educators must hold a valid, level 4 or higher Induction,

Professional, Advanced Professional, or Lead Professional teaching certificate, leadership certificate, service field certificate, or life certificate for program admission.

augusta.edu/online/med-instruction

Program Contact

AU Online Admissions

706-770-6046

admissions@online.augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

Students must graduate in good standing with a 2.8 GPA and earn a C or better in all courses.

Program Information

Program Length: 1.5 Years

CIP Code: 13.0301

Program Code: 1MED-INSW

Degree Requirements

Core Courses: 15 Hours

EDUC 6021 - Introduction to Educational Research (3 Credit Hours)

EDTD 6410 - Applied Research in Curriculum and Instruction (3 Credit Hours)

EDTD 6416 - Advanced Instructional Technology (3 Credit Hours)

EDTD 6432 - Diversity in Education (3 Credit Hours)

SPED 6500 - Advanced Studies in Special Education (3 Credit Hours)

Concentration Courses: 15 Hours

Select a concentration. Students must complete all content in their certification/content field.

Elementary Education

EDTD 6100 - Research in Content Area Instruction (3 Credit Hours)

EDTD 6110 - Curriculum in Theory and Practice (3 Credit Hours)

EDTD 6381 - Assessment and Differentiation (3 Credit Hours)

EDTD 6471 - Issues in Early Childhood Education (3 Credit Hours)

EDTD 6491 - Advanced Instructional Management (3 Credit Hours)

Middle Grades

EDTD 6100 - Research in Content Area Instruction (3 Credit Hours)

EDTD 6110 - Curriculum in Theory and Practice (3 Credit Hours)

EDTD 6381 - Assessment and Differentiation (3 Credit Hours)

EDTD 6461 - Critical Issues in Education (3 Credit Hours)

EDTD 6491 - Advanced Instructional Management (3 Credit Hours)

Secondary Education

EDTD 6100 - Research in Content Area Instruction (3 Credit Hours)

EDTD 6110 - Curriculum in Theory and Practice (3 Credit Hours)

EDTD 6381 - Assessment and Differentiation (3 Credit Hours)

EDTD 6471 - Issues in Early Childhood Education (3 Credit Hours)

EDTD 6491 - Advanced Instructional Management (3 Credit Hours)

Special Education

EDTD 6110 - Curriculum in Theory and Practice (3 Credit Hours)
EDTD 6381 - Assessment and Differentiation (3 Credit Hours)
EDTD 6491 - Advanced Instructional Management (3 Credit Hours)
SPED 6026 - Introduction to Theory and Practices for Teaching Students with Disabilities (3 Credit Hours)
SPED 6028 - Advanced Assessment in Special Education (3 Credit Hours)

P-12 in Art Education

EDTD 6110 - Curriculum in Theory and Practice (3 Credit Hours)
EDTD 6381 - Assessment and Differentiation (3 Credit Hours)
EDTD 6461 - Critical Issues in Education (3 Credit Hours)
EDTD 6471 - Issues in Early Childhood Education (3 Credit Hours)
EDTD 6491 - Advanced Instructional Management (3 Credit Hours)

P-12 in Health and Physical Education

EDTD 6110 - Curriculum in Theory and Practice (3 Credit Hours)
EDTD 6381 - Assessment and Differentiation (3 Credit Hours)
EDTD 6461 - Critical Issues in Education (3 Credit Hours)
EDTD 6471 - Issues in Early Childhood Education (3 Credit Hours)
EDTD 6491 - Advanced Instructional Management (3 Credit Hours)

P-12 in Music Education

EDTD 6110 - Curriculum in Theory and Practice (3 Credit Hours)
EDTD 6381 - Assessment and Differentiation (3 Credit Hours)
EDTD 6461 - Critical Issues in Education (3 Credit Hours)
EDTD 6471 - Issues in Early Childhood Education (3 Credit Hours)
EDTD 6491 - Advanced Instructional Management (3 Credit Hours)

P-12 in Drama Education

EDTD 6110 - Curriculum in Theory and Practice (3 Credit Hours)
EDTD 6381 - Assessment and Differentiation (3 Credit Hours)
EDTD 6461 - Critical Issues in Education (3 Credit Hours)
EDTD 6471 - Issues in Early Childhood Education (3 Credit Hours)
EDTD 6491 - Advanced Instructional Management (3 Credit Hours)

General Education

EDTD 6100 - Research in Content Area Instruction (3 Credit Hours)
EDTD 6110 - Curriculum in Theory and Practice (3 Credit Hours)
EDTD 6381 - Assessment and Differentiation (3 Credit Hours)
EDTD 6461 - Critical Issues in Education (3 Credit Hours)
EDTD 6491 - Advanced Instructional Management (3 Credit Hours)

Degree Total: 30 Hours

Master of Education with a Major in Leadership with a Concentration in School Administration

Program Overview

The graduate program in leadership is a performance-based program that is aligned with the Georgia Professional Standards Commission (PSC) standards. Information on educational leadership certification rules, as stipulated by the Georgia PSC, is available on the GAPSC website at www.gapsc.com.

Candidates seeking certification in school leadership are responsible for ensuring the MEd in Leadership is appropriate in their respective states.

augusta.edu/education/teaching-leading

Program Contact

Dr. Renee Neal
706-737-1496

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- Opportunities for observing highly skilled leaders for growth are documented at all levels (i.e., P-5, 6-8, 9-12, Central Office Administrator).
- The candidate has a coach (with a current L5 certificate) to supervise the three residency classes.
- The candidate has developed an e-portfolio demonstrating knowledge, skills, and application of Educational Leadership Standards and complete the required field experience hours.
- The candidate must have attempted the Educational Leadership GACE (Test # 301 before October 1, 2020; Test # 311 after October 1, 2020) prior to completion of the MEd program and must pass the assessment to obtain an Educational Leadership Tier I certificate.
- The candidate must attempt the Georgia Ethics for Educational Leadership Assessment- Program Exit (Test #380) prior to completion of the M.Ed. program and must pass the assessment to obtain an educational Leadership Tier I Certificate.
- To graduate, students must have an overall 2.8 GPA.

Program Information

Program Length: 2 Years
CIP Code: 13.0301
Program Code: 1MED-INSW

Degree Requirements

Common M.Ed. Core: 21 Hours

EDLR 6400 - Fundamentals of Leadership and Administration (3 Credit Hours)
EDLR 6440 - Developing Professional Learning Communities (3 Credit Hours)
EDLR 6550 - Instructional Supervision for Improving P-12 Learning (3 Credit Hours)
EDLR 6650 - Grants Writing: Resources for P-12 Learning (3 Credit Hours)
EDLR 6740 - Leading the Learning Environment (3 Credit Hours)
EDUC 6021 - Introduction to Educational Research (3 Credit Hours)
EDUC 6040 - Tests and Measurement (3 Credit Hours)

Educational Leadership Concentration: 12 Hours

EDLR 6430 - School Law (3 Credit Hours)
EDLR 6640 - Developing Trends in Educational Leadership (3 Credit Hours)
EDLR 6720 - Leading School Operations and Resources (3 Credit Hours)
EDLR 6730 - Leading Culture and Diversity in Schools (3 Credit Hours)

Educational Leadership Practicum: 3 Hours

EDLR 6900 - Tier One Certification Clinical Residency I (1 Credit Hour)
EDLR 6901 - Tier One Certification Clinical Residency II (1 Credit Hour)
EDLR 6902 - Tier One Certification Clinical Residency III (1 Credit Hour)

Degree Total: 36 Hours

Master of Health Science

Master of Health Science in Clinical Laboratory Science

Program Overview

This is an entry-level degree and, upon graduation, the student would be eligible to sit for the national certification examination for Medical Laboratory Scientist (MLS), administered by the American Society for Clinical Pathology (ASCP). The program is five semesters long and culminates in a research or capstone project. This program will also offer courses in evidence-based practice, education, management, epidemiology, and statistics. This degree will prepare the student for practice in research, management, and education as well as practice as a clinical laboratory scientist.

For the distance/WEB students, laboratories are conducted at a satellite laboratory in the Atlanta area or at the clinical affiliates. The clinical internships are conducted at affiliated clinical sites. Internet students are encouraged to identify possible internship sites convenient to them. The Program of Clinical Laboratory Science will contact these sites to explore a clinical affiliation. The program requires computer capability and Internet connectivity.

augusta.edu/alliedhealth/allied-health-professions/clinical-laboratory-science

Program Contact

Jan Bane
706-721-4176
CLSPProgram@augusta.edu

Program Accreditation

National Accrediting Agency for Clinical Laboratory Science
5600 N. River Road
Suite 720
Rosemont, IL 60018-5119

Admissions Information

Please see the Office of Admissions website for specific admissions information.

Progression and Graduation Requirements

In addition to demonstrating personal characteristics appropriate for a health professions career, students must satisfy general and specific technical standards for this program as posted on the website.

Program Information

Program Length: 2 Years
CIP Code: 51.1005
Program Code: MHSCLS_CLS
Major Code: MCLS

Degree Requirements

Required Courses: 56 Hours

CAHS 6501 - Evidence-Based Practice (2 Credit Hours)

CAHS 6503 - Research Process (3 Credit Hours)
 CAHS 6524 - Project Development (2 Credit Hours)
 CAHS 7300 - Professional Issues and Ethics (1 Credit Hour)
 CAHS 7523 - Research Project (3 to 6 Credit Hours)
 CLSC 6220 - Introduction to Clinical Laboratory Science Practice (3 Credit Hours)
 CLSC 6440 - Clinical Microbiology (4 Credit Hours)
 CLSC 6445 - Clinical Microbiology Laboratory (2 Credit Hours)
 CLSC 6640 - Clinical Biochemistry (4 Credit Hours)
 CLSC 6645 - Clinical Biochemistry Laboratory (2 Credit Hours)
 CLSC 6740 - Clinical Immunohematology (4 Credit Hours)
 CLSC 6745 - Clinical Immunohematology Laboratory (2 Credit Hours)
 CLSC 6840 - Clinical Hematology (4 Credit Hours)
 CLSC 6845 - Clinical Hematology Laboratory (2 Credit Hours)
 CLSC 7540 - Clinical Immunology (4 Credit Hours)
 CLSC 7903 - Clinical Laboratory Science Review (3 Credit Hours)
 CLSC 7940 - Clinical Molecular Methods (3 Credit Hours)
 CLSC 7945 - Clinical Molecular Methods Laboratory (2 Credit Hours)
 MLIR 7320 - Principles of Education and Management (3 Credit Hours)
 STAT 6300 - Introduction to Epidemiology and Biostatistics (3 Credit Hours)

Internship Rotations: 18 Hours

CLSC 7680 - Clinical Biochemistry/Immunology Internship (5 Credit Hours)
 CLSC 7990 - Clinical Molecular Methods Internship (4 Credit Hours)

Plus select 9 hours from the following:

CLSC 7480 - Clinical Microbiology Internship (3 Credit Hours)
 CLSC 7780 - Clinical Immunohematology Internship (3 Credit Hours)
 CLSC 7880 - Clinical Hematology Internship (3 Credit Hours)

Degree Total: 74 Hours

Master of Health Science in Occupational Therapy

Program Overview

Occupational therapy is a dynamic health care profession that promotes engagement in meaningful daily and routine occupations, those activities that give meaning and purpose to our lives. Occupations commonly addressed through occupational therapy include self-care activities, work or school tasks, driving, leisure, home maintenance and community activities. Occupational therapists work with clients, families, groups, and populations to promote health and wellness, prevent illness or injury, develop or restore functional and adaptation skills, facilitate social engagement, and create accessible and supportive environments. Occupational therapists work in a variety of settings including, but not limited to, hospitals, inpatient rehabilitation facilities, outpatient clinics, skilled nursing facilities, homes, school systems, and community programs.

augusta.edu/alliedhealth/occupational-therapy

Program Contact

Dr. Pamalyn Kearney
 706-721-3641
studyot@augusta.edu

Program Accreditation and Graduate Certification

The Occupational Therapy program is accredited by the Accreditation Council for Occupational Therapy Education (ACOTE). Graduates of accredited programs may take the national certification examination

for occupational therapists administered by the National Board for Certification in Occupational Therapy, Inc. (NBCOT).

For additional information, contact:

Accreditation Council for Occupational Therapy
Education (ACOTE)
c/o Accreditation Department
American Occupational Therapy Association (AOTA)
7501 Wisconsin Avenue, Suite 510E
Bethesda, MD 20814
Phone number: 301-652-6611
Email: accred@aota.org
www.acoteonline.org

National Board of Certification in Occupational
Therapy (NBCOT)
One Bank Street
Suite 300
Gaithersburg, MD 20878
301-990-7979
Email: info@nbcot.org
www.nbcot.org

Admissions Information

See the Department of Occupational Therapy website for specific admissions information and prerequisites.

Progression and Graduation Requirements

The Department of Occupational Therapy does not accept any grade below a C (70%) in general coursework and Level I Fieldwork coursework. The Department of Occupational Therapy does not accept any grade below a B (80%) in intervention coursework and Level II Fieldwork coursework. Students must complete 89 hours of curriculum coursework -- including fieldwork experiences -- to graduate from the program.

Program Information

Program Length: 2 Years
CIP Code: 51.2306
Program Code: MHSOT_OTHP
Major Code: OTHP

Degree Requirements

CAHS 7450 - Human Gross Anatomy for Occupational Therapists (6 Credit Hours)
CAHS 7705 - Neuroscience Applications (3 Credit Hours)
OTHP 6000 - Fieldwork I A (1 Credit Hour)
OTHP 6001 - Fieldwork I B (1 Credit Hour)
OTHP 6002 - Fieldwork I C (2 Credit Hours)
OTHP 6003 - Fieldwork I D (2 Credit Hours)
OTHP 6100 - Foundations of Occupational Therapy (3 Credit Hours)
OTHP 6105 - Assessment Process & Documentation (3 Credit Hours)
OTHP 6106 - Development of Lifespan Occupations (3 Credit Hours)
OTHP 6203 - Occupational Adaptations and Assistive Technology (3 Credit Hours)
OTHP 6205 - Applied Kinesiology (4 Credit Hours)
OTHP 6310 - Conditions in Occupational Therapy (3 Credit Hours)
OTHP 6501 - Introduction to Evidence-Based Practice and Research Process (1 Credit Hour)
OTHP 6505 - Research Process (2 Credit Hours)
OTHP 6510 - Evidence-Based Practice (3 Credit Hours)
OTHP 6515 - Research Seminar I (2 Credit Hours)
OTHP 6520 - Research Seminar II (2 Credit Hours)
OTHP 6600 - Mental Health & Psychosocial Evaluation & Intervention (3 Credit Hours)
OTHP 6602 - Adult Evaluation and Intervention II (3 Credit Hours)
OTHP 6604 - Pediatric Evaluation and Intervention (4 Credit Hours)
OTHP 6606 - Adult Evaluation and Intervention I (5 Credit Hours)

OTHP 6609 - Community, Societal & Population Models of Practice (3 Credit Hours)
OTHP 6706 - Future Directions in Occupational Therapy (2 Credit Hours)
OTHP 6708 - Professional Issues and Service Management (3 Credit Hours)
OTHP 6710 - Professional Development and Competencies (1 Credit Hour)
OTHP 6854 - School Systems (3 Credit Hours)
OTHP 7009 - Fieldwork II Experience A (9 Credit Hours)
OTHP 7010 - Fieldwork II Experience B (9 Credit Hours)

Degree Total: 89 Hours

Master of Physician Assistant

Master of Physician Assistant

Program Overview

Established in 1972, the Physician Assistant program offers a comprehensive education that allows graduates to become employed in many specialty areas. Our program emphasizes classroom and clinical practical experience, with the heaviest emphasis on clinical work with patients. Upon completion of our program, students earn a master's degree in physician assistant.

augusta.edu/alliedhealth/physician-assistant

Program Contact

Elizabeth Coleman, Program Director
paprogram@augusta.edu

Program Accreditation

Accreditation Review Committee on Education for the Physician Assistant (ARC-PA)
Sharon Luke, Executive Director
3325 Paddocks Pkwy, Suite 345
Suwanee, GA 30024

Admissions Information

Please see the Master of Physician Assistant website for specific admissions information.

Progression and Graduation Requirements

- In addition to demonstrating personal characteristics appropriate for a health professions career, students must satisfy general and specific technical standards for this program.
- All students must successfully pass the Summative Evaluation as part of the graduation requirements.

Program Information

Program Length: 2 Years
CIP Code: 51.0912
Program Code: MPA_PHAS
Major Code: PHAS

Degree Requirements

CAHS 7400 - Human Gross Anatomy (6 Credit Hours)
PHAS 5011 - Principles of Professional Practices (1 Credit Hour)
PHAS 5015 - Medical Communications (1 Credit Hour)

PHAS 5020 - Genetics (1 Credit Hour)
 PHAS 5115 - Physical Assessment (3 Credit Hours)
 PHAS 5125 - Principles of Pharmacology for the Clinician (1 Credit Hour)
 PHAS 5131 - Orthopedics (3 Credit Hours)
 PHAS 5132 - Dermatology (2 Credit Hours)
 PHAS 5133 - Ophthalmology/Otolaryngology (2 Credit Hours)
 PHAS 5134 - Infectious Diseases (2 Credit Hours)
 PHAS 5135 - EKG Interpretation (1 Credit Hour)
 PHAS 5137 - Diagnostic Methods and Pathology (2 Credit Hours)
 PHAS 5138 - Anatomy, Pathophysiology, and Genetic Mechanism of Disease I (1 credit hour)
 PHAS 5139 - Professional Practices I (1 credit hour)
 PHAS 5140 - Clinical Skills Integration and Application I (1 Credit Hour)
 PHAS 5200 - Essentials of Psychiatry (2 Credit Hours)
 PHAS 5215 - Pharmacotherapeutics I (2 Credit Hours)
 PHAS 5221 - Cardiology (3 Credit Hours)
 PHAS 5222 - Pulmonology (3 Credit Hours)
 PHAS 5223 - Nephrology/Urology (2 Credit Hours)
 PHAS 5224 - Gastroenterology (2 Credit Hours)
 PHAS 5227 - Hematology and Oncology (2 Credit Hours)
 PHAS 5228 - Anatomy, Pathophysiology, and Genetic Mechanism of Disease II (1 credit hour)
 PHAS 5229 - Professional Practices II (1 credit hour)
 PHAS 5230 - Clinical Skills Integration and Application II (1 Credit Hour)
 PHAS 5300 - Pharmacotherapeutics II (3 Credit Hours)
 PHAS 5311 - Pediatrics (2 Credit Hours)
 PHAS 5312 - Obstetrics and Gynecology (2 Credit Hours)
 PHAS 5313 - Endocrinology (2 Credit Hours)
 PHAS 5314 - Neurology (3 Credit Hours)
 PHAS 5315 - Anatomy, Pathophysiology, and Genetic Mechanism of Disease III (1 Credit Hour)
 PHAS 5316 - Critical Care (1 Credit Hour)
 PHAS 5317 - Professional Practices III (1 Credit Hour)
 PHAS 5320 - Emergency Medicine (2 Credit Hours)
 PHAS 5330 - Surgery (2 Credit Hours)
 PHAS 5340 - Clinical Skills Integration and Application III (1 Credit Hour)
 PHAS 5360 - Evidence-Based Medicine and Medical Writing (1 Credit Hour)
 PHAS 5400 - Pharmacotherapeutics III (3 Credit Hours)
 PHAS 6020 - Surgery Practicum (4 Credit Hours)
 PHAS 6027 - Adult Medicine Practicum (4 Credit Hours)
 PHAS 6028 - Adult Medicine Practicum II (4 Credit Hours)
 PHAS 6035 - Family Medicine Practicum (4 Credit Hours)
 PHAS 6040 - Emergency Medicine Practicum (4 Credit Hours)
 PHAS 6050 - Pediatric Practicum (4 Credit Hours)
 PHAS 6060 - Psychiatric and Addiction Medicine Practicum (4 Credit Hours)
 PHAS 6061 - Senior Thesis and PA Professional Practice I (1 credit hour)
 PHAS 6070 - Women's Health Practicum (4 Credit Hours)
 PHAS 6071 - Senior Thesis and PA Professional Practice II (1 Credit Hour)
 PHAS 6081 - Senior Thesis and PA Professional Practice III (4 Credit Hours)
 PHAS 6090 - Elective Clinical Practicum (4 Credit Hours)
 PHAS 6120 - Teaching, Leadership, and Clinical Elective Practicum (4 Credit Hours)
 PHAS 7120 - Human Physiology for the Clinician (5 Credit Hours)

Degree Total: 122 Hours

Master of Public Administration

Master of Public Administration

Program Overview

The Master of Public Administration (MPA) at Augusta University is the preferred degree for professionals working in government and the nonprofit sector.

Accredited by the Network of Public Policy, Affairs, and Administration (NASPAA), the MPA degree is a versatile degree that allows students to advance their careers in numerous fields in the public sector, such as managing cybersecurity, economic development, criminal justice, city-county management, emergency management, and many others.

Classes are scheduled to better accommodate the working professionals in our program and our faculty includes traditional academics, "pracademics" (academics with career experience in government or nonprofit organizations), and working professionals to offer you practical experience.

The fully online 36 credit hour program is offered through Augusta University Online. Along with earning their traditional MPA, students can pursue a Post-Baccalaureate Certificate in Nonprofit Leadership. Students wishing to expand their knowledge of criminal justice may pursue a concentration in criminal justice as part of their MPA degree program: Master of Public Administration with a Concentration in Criminal Justice.

augusta.edu/pamplin/mpa

augusta.edu/online/master-of-public-administration

Program Accreditation

This program is accredited by the Network of Schools of Public Policy, Affairs, and Administration (NASPAA).

Program Contact

Dr. Wesley Meares

(706) 737-1710

socsci@augusta.edu

AU Online Admissions

706-770-6046

admissions@online.augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Program Information

Program Length: 2 Years

CIP Code: 44.0401

Program Code: 1MPA-MPA

Degree Requirements

Required Courses: 21 Hours

(core curriculum of seven courses)

- PADM 6000 - Survey of Public Administration (3 Credit Hours)
- PADM 6050 - Constitutional and Administrative Law (3 Credit Hours)
- PADM 6150 - Leadership and Ethics (3 Credit Hours)
- PADM 6300 - Public Budgeting (3 Credit Hours)
- PADM 6600 - Analytical Tools for Decision Makers (3 Credit Hours)
- PADM 6650 - Public Policy Analysis (3 Credit Hours)
- PADM 6750 - Program Evaluation (3 Credit Hours)

Electives: 15 Hours

- PADM 6020 - Geographic Information Systems for Public Management (3 Credit Hours)
- PADM 6030 - Grant Writing and Administration (3 Credit Hours)
- PADM 6250 - Introduction to Urban Planning (3 Credit Hours)
- PADM 6301 - Financial Management for Nonprofit Organizations (3 Credit Hours)
- PADM 6302 - Nonprofit Management (3 Credit Hours)
- PADM 6350 - Emergency Management (3 Credit Hours)
- PADM 6351 - Introduction to Homeland Security (3 Credit Hours)
- PADM 6400 - Community Development (3 Credit Hours)
- PADM 6430 - Social Deviance (3 Credit Hours)
- PADM 6432 - Juvenile Delinquency and Justice (3 Credit Hours)
- PADM 6435 - Crime and Public Policy (3 Credit Hours)
- PADM 6436 - Intimate Partner Violence (3 Credit Hours)
- PADM 6500 - Research Methods in Public Administration (3 Credit Hours)
- PADM 6550 - Human Services Administration (3 Credit Hours)
- PADM 6700 - Urban Government Administration (3 Credit Hours)
- PADM 6900 - Graduate Internship (3 Credit Hours)
- PADM 6950 - Selected Topics (1 to 3 Credit Hours)
- PADM 7000 - Directed Reading (1 to 3 Credit Hours)

Degree Total: 36 Hours

Master of Public Administration with a Concentration in Criminal Justice

Program Overview

The Master of Public Administration (MPA) at Augusta University is the preferred degree for professionals working in government and the nonprofit sector.

Accredited by the Network of Public Policy, Affairs, and Administration (NASPAA), the MPA degree is a versatile degree that allows students to advance their careers in numerous fields in the public sector, such as managing cybersecurity, economic development, criminal justice, city-county management, emergency management, and many others.

Classes are scheduled to better accommodate the working professionals in the program. Faculty include traditional academics, "pracademics" (academics with career experience in government or non-profit organizations), and working professionals to offer practical experience.

This fully online program consists of 36 credit hours offered through Augusta University Online. Be advised that students pursuing the Criminal Justice concentration cannot earn the Post-Baccalaureate Certificate in Nonprofit Leadership alongside their MPA without additional courses.

augusta.edu/pamplin/mpa

augusta.edu/online/master-of-public-administration

Program Contact

Dr. Wesley Meares
(706) 737-1710
socsci@augusta.edu

AU Online Admissions

706-770-6046
admissions@online.augusta.edu

Program Accreditation

This program is accredited by the Network of Schools of Public Policy, Affairs, and Administration (NASPAA).

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Program Information

Program Length: 2 Years
CIP Code: 44.0401
Program Code: 1MPA-MPA

Degree Requirements

Required Courses: 27 Hours

The core curriculum consists of nine courses.

PADM 6000 - Survey of Public Administration (3 Credit Hours)
PADM 6050 - Constitutional and Administrative Law (3 Credit Hours)
PADM 6150 - Leadership and Ethics (3 Credit Hours)
PADM 6300 - Public Budgeting (3 Credit Hours)
PADM 6430 - Social Deviance (3 Credit Hours)
 or CRJU 6430 - Social Deviance (3 Credit Hours)
 or PADM 6436 - Intimate Partner Violence (3 Credit Hours)
 or CRJU 6436 - Intimate Partner Violence (3 Credit Hours)
PADM 6435 - Crime and Public Policy (3 Credit Hours)
PADM 6600 - Analytical Tools for Decision Makers (3 Credit Hours)
PADM 6650 - Public Policy Analysis (3 Credit Hours)
PADM 6750 - Program Evaluation (3 Credit Hours)

Electives: 9 Hours

Select from the following:

PADM 6020 - Geographic Information Systems for Public Management (3 Credit Hours)
PADM 6030 - Grant Writing and Administration (3 Credit Hours)
PADM 6250 - Introduction to Urban Planning (3 Credit Hours)
PADM 6301 - Financial Management for Nonprofit Organizations (3 Credit Hours)
PADM 6302 - Nonprofit Management (3 Credit Hours)
PADM 6350 - Emergency Management (3 Credit Hours)
PADM 6351 - Introduction to Homeland Security (3 Credit Hours)
PADM 6400 - Community Development (3 Credit Hours)
PADM 6430 - Social Deviance (3 Credit Hours) (if not taken as a core course)
PADM 6432 - Juvenile Delinquency and Justice (3 Credit Hours)

PADM 6436 - Intimate Partner Violence (3 Credit Hours) (if not taken as a core course)
 PADM 6500 - Research Methods in Public Administration (3 Credit Hours)
 PADM 6550 - Human Services Administration (3 Credit Hours)
 PADM 6700 - Urban Government Administration (3 Credit Hours)
 PADM 6900 - Graduate Internship (3 Credit Hours)
 PADM 6950 - Selected Topics (1 to 3 Credit Hours)
 PADM 7000 - Directed Reading (1 to 3 Credit Hours)

Degree Total: 36 Hours

Master of Public Health

Master of Public Health with a Concentration in Health Informatics

Program Overview

The Master of Public Health (MPH) program is a two-year program offering core public health courses with concentrations in Health Management, Health Informatics, and Social and Behavioral Sciences. The Program also includes a public health internship and a Capstone research experience. This comprehensive educational experience is designed to prepare leaders with critical thinking, problem solving, and information management skills needed to improve healthcare delivery and promote public health.

An MPH degree presents tremendous value to “clinicians” as well as “non-clinical professionals,” with undergraduate preparation in any field. Clinicians are prepared to be leaders in evidence-based quality improvement, patient-centered care, and community health. They are equipped with research skills to critically evaluate clinical literature and promote evidence in diverse areas such as health services organization. Non-clinical professionals are prepared with knowledge and skills from multiple disciplines to create and manage information systems, improve healthcare delivery and thereby promote community health.

The MPH program is offered through Augusta University Online (AUO) and can be completed in two years. It is designed to support the working professional in pursuit of a graduate degree. Graduates are prepared to be leaders in healthcare organizations, public health agencies, the pharmaceutical and information technology industries, and research institutes.

Master of Public Health with concentration in Health Informatics prepares professionals with requisite knowledge and skills to create, analyze, and manage information system to improve health delivery.

augusta.edu/online/master-public-health

Program Contact

Dr. Sarah Wackerbarth, MPH Program Director
 Kim Dyches, Program Coordinator
 706-723-4608
KIDYCHES@augusta.edu

AU Online Admissions
 706-770-6046
admissions@online.augusta.edu

Admissions Information

See the Office of Admissions website at augusta.edu/admissions for specific admissions information.

Note to International Applicants: The MPH program delivers approximately 90 percent of its content via online courses. The remaining 10 percent is delivered as on-campus courses which require the student to attend classes at the Health Science Campus. At this time, the MPH program does not offer sufficient on-campus coursework for students with F-1 or J-1 student status to meet all study requirements. The university will not issue a Certification of Eligibility for F-2 Academic Students (Form I-20) or J-1 Exchange Visitors, Student Category (Form DS-2019) for MPH program enrollment.

Program Accreditation

The Master of Public Health (MPH) program is accredited by the Council on Education for Public Health (CEPH).

Progression and Graduation Requirements

- Any student whose cumulative GPA for a degree program drops below 2.8 will be placed on academic probation. While on probation, the student must earn a minimum 3.0 GPA each semester until the cumulative GPA raises to at least 2.8. Students who fail to obtain at least a 3.0 GPA each semester while on probation will be considered for an academic dismissal from The Graduate School.
- Graduation requires the successful completion of 45 credit hours within a maximum of five years.
- STAT 7010 is the prerequisite for MPHM 8280.
- The Internship course MPHC 8722 should be taken after at least 12 credit hours of coursework is completed, but prior to the graduating semester. The Internship site MOU needs to be established before the internship can take place. Students are required to work on identifying their internship site one semester prior to the semester in which the internship will start.
- The Capstone course MPHC 8999 should be taken at the last semester of the student's program of study.

Program Information

Program Length: 2 Years

CIP Code: 51.2201

Program Code: MPH_HINF

Degree Requirements

MPH Core Courses: 21 Hours

EPID 7130 - Introduction to Epidemiology (3 Credit Hours)
 MPHC 7101 - Health Management and Policy (3 Credit Hours)
 MPHC 8600 - Fundamentals of Health Promotion (3 Credit Hours)
 MPHC 8700 - Introduction to Environmental Health (3 Credit Hours)
 MPHM 7210 - Health Care Performance Improvement (3 Credit Hours)
 MPHM 8280 - Research Methods in Public Health (3 Credit Hours)
 STAT 7010 - Biostatistics I (3 Credit Hours)

Health Informatics Concentration Courses: 9 Hours

MPHI 8000 - Computerized Health Information Systems (3 Credit Hours)
 MPHI 8001 - Public Health Informatics (3 Credit Hours)
 MPHI 8400 - Health Data Management and Knowledge Discovery (3 Credit Hours)

Electives: 9 Hours

Select three of the following:

MPHC 7209 - Health Law and Ethics (3 Credit Hours)
 MPHM 7102 - Human Resource Management (3 Credit Hours)
 MPHM 7104 - Healthcare Financial Management (3 Credit Hours)

MPHM 8220 - Strategic Management of Healthcare Organizations (3 Credit Hours)
MPHS 8200 - Integration Social and Behavioral Theory into Public Health (3 Credit Hours)
MPHS 8300 - Social Determinants of Health and Health Disparities (3 Credit Hours)
MPHS 8400 - Social Behavioral Change at Individual, Household, and Community Levels (3 Credit Hours)

Research and Practice: 6 Hours

MPHC 8011 - Ethical Conduct in Research (1 Credit Hour)
MPHC 8722 - Internship (2 or 5 Credit Hours)
MPHC 8999 - Capstone Course (3 Credit Hours)

Degree Total: 45 Hours

Master of Public Health with a Concentration in Health Management

Program Overview

The Master of Public Health (MPH) program is a two-year program offering core public health courses with concentrations in Health Management, Health Informatics, and Social and Behavioral Sciences. The program also includes a public health internship and a capstone research experience. This comprehensive educational experience is designed to prepare leaders with critical thinking, problem-solving, and information management skills needed to improve health care delivery and promote public health.

An MPH degree presents tremendous value to “clinicians” as well as “non-clinical professionals,” with undergraduate preparation in any field. Clinicians are prepared to be leaders in evidence-based quality improvement, patient-centered care, and community health. They are equipped with research skills to critically evaluate clinical literature and promote evidence in diverse areas such as health services organization. Non-clinical professionals are prepared with knowledge and skills from multiple disciplines to create and manage information systems, improve healthcare delivery and thereby promote community health.

The MPH program is offered online through Augusta University Online (AUO) and can be completed in two years. It is designed to support the working professional in pursuit of a graduate degree.

The MPH with a concentration in Health Management focuses on the management, financial planning, and proper functioning of health care organizations. Students learn to develop, implement, and evaluate policies and management strategies. Graduates stand out to employers with a skill set that makes them ready to understand organizational cultures, improve management of health care organizations, and influence public health policy.

augusta.edu/online/master-public-health

Program Contact

Dr. Sarah Wackerbarth, MPH Program Director
Kim Dyches, Program Coordinator
706-723-4608
KIDYCHES@augusta.edu

AU Online Admissions
706-770-6046
admissions@online.augusta.edu

Program Accreditation

The Master of Public Health (MPH) program is accredited by the Council on Education for Public Health (CEPH).

Admissions Information

See the Office of Admissions website at augusta.edu/admissions for specific admissions information.

Note to International Applicants: The MPH program delivers approximately 90 percent of its content via online courses. The remaining 10 percent is delivered as on-campus courses which require the student to attend classes at the Health Science Campus. At this time, the MPH program does not offer sufficient on-campus coursework for students with F–1 or J–1 student status to meet all study requirements. The university will not issue a Certification of Eligibility for F–2 Academic Students (Form I–20) or J–1 Exchange Visitors, Student Category (Form DS–2019) for MPH program enrollment.

Progression and Graduation Requirements

- Any student whose cumulative GPA for a degree program drops below 2.8 will be placed on academic probation. While on probation, the student must earn a minimum 3.0 GPA each semester until the cumulative GPA raises to at least 2.8. Students who fail to obtain at least a 3.0 GPA each semester while on probation will be considered for an academic dismissal from The Graduate School.
- Graduation requires the successful completion of 45 credit hours within a maximum of five years.
- STAT 7010 is the prerequisite for MPHM 8280.
- The Internship course MPHC 8722 should be taken after at least 12 credit hours of coursework is completed, but prior to the graduating semester. The Internship site MOU needs to be established before the internship can take place. Students are required to work on identifying their internship site one semester prior to the semester in which the internship will start.
- The Capstone course MPHC 8999 should be taken at the last semester of the student's program of study.

Program Information

Program Length: 2 Years

CIP Code: 51.2201

Program Code: MPH_HINF

Major Code: PUBH

Concentration Code: HMGT

Degree Requirements

MPH Core Courses: 21 Hours

EPID 7130 - Introduction to Epidemiology (3 Credit Hours)

MPHC 7101 - Health Management and Policy (3 Credit Hours)

MPHC 8600 - Fundamentals of Health Promotion (3 Credit Hours)

MPHC 8700 - Introduction to Environmental Health (3 Credit Hours)

MPHM 7210 - Health Care Performance Improvement (3 Credit Hours)

MPHM 8280 - Research Methods in Public Health (3 Credit Hours)

STAT 7010 - Biostatistics I (3 Credit Hours)

Health Management Concentration Courses: 9 Hours

MPHM 7102 - Human Resource Management (3 Credit Hours)

MPHM 7104 - Healthcare Financial Management (3 Credit Hours)

MPHM 8220 - Strategic Management of Healthcare Organizations (3 Credit Hours)

Elective Courses: 9 Hours

Select three of the following:

MPHC 7209 - Health Law and Ethics (3 Credit Hours)

MPHI 8000 - Computerized Health Information Systems (3 Credit Hours)
 MPHI 8001 - Public Health Informatics (3 Credit Hours)
 MPHI 8400 - Health Data Management and Knowledge Discovery (3 Credit Hours)
 MPHS 8200 - Integration Social and Behavioral Theory into Public Health (3 Credit Hours)
 MPHS 8300 - Social Determinants of Health and Health Disparities (3 Credit Hours)
 MPHS 8400 - Social Behavioral Change at Individual, Household, and Community Levels (3 Credit Hours)

Research and Practice: 6 Hours

MPHC 8011 - Ethical Conduct in Research (1 Credit Hour)
 MPHC 8722 - Internship (2 or 5 Credit Hours)
 MPHC 8999 - Capstone Course (3 Credit Hours)

Degree Total: 45 Hours

Master of Public Health with a Concentration in Social and Behavioral Sciences

Program Overview

The Master of Public Health (MPH) Program is a two-year program offering core public health courses with concentrations in Health Management, Health Informatics, and Social and Behavioral Sciences. The Program also includes a public health internship and a capstone research experience. This comprehensive educational experience is designed to prepare leaders with critical thinking, problem-solving, and information management skills needed to improve healthcare delivery and promote public health.

An MPH degree presents tremendous value to "clinicians" as well as "non-clinical professionals," with undergraduate preparation in any field. Clinicians are prepared to be leaders in evidence-based quality improvement, patient-centered care, and community health. They are equipped with research skills to critically evaluate clinical literature and promote evidence in diverse areas such as health services organizations. Non-clinical professionals are prepared with knowledge and skills from multiple disciplines to create and manage information systems, improve health care delivery, and thereby promote community health.

The MPH Program is offered online through Augusta University Online (AUO) and can be completed in two years. It is designed to support the working professional pursuing a graduate degree. Graduates are prepared to be leaders in healthcare organizations, public health agencies, the pharmaceutical and information technology industries, and research institutes.

The Social and Behavioral Sciences in public health address the behavioral, social, and cultural factors related to individual, population, and health disparities over the life course. Research and practice in this area contributes to the development, administration, and evaluation of programs and policies in public health and health systems aimed at promoting and sustaining healthy environments and healthy lives for individuals and populations.

augusta.edu/online/master-public-health

Program Contact

Dr. Sarah Wackerbarth, MPH Program Director
 Kim Dyches, Program Coordinator
 706-723-4608
 KIDYCHES@augusta.edu

AU Online Admissions
706-770-6046
admissions@online.augusta.edu

Program Accreditation

The Master of Public Health (MPH) program is accredited by the Council on Education for Public Health (CEPH).

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Note to International Applicants: The MPH program delivers approximately 90 percent of its content via online courses. The remaining 10 percent is delivered as on-campus courses which require the student to attend classes at the Health Science Campus. At this time, the MPH program does not offer sufficient on-campus coursework for students with F-1 or J-1 student status to meet all study requirements. The university will not issue a Certification of Eligibility for F-2 Academic Students (Form I-20) or J-1 Exchange Visitors, Student Category (Form DS-2019) for MPH program enrollment.

Progression and Graduation Requirements

- Any student whose cumulative GPA for a degree program drops below 2.8 will be placed on academic probation. While on probation, the student must earn a minimum 3.0 GPA each semester until the cumulative GPA raises to at least 2.8. Students who fail to obtain at least a 3.0 GPA each semester while on probation will be considered for an academic dismissal from The Graduate School.
- Graduation requires the successful completion of 45 credit hours within a maximum of five years.
- STAT 7010 is the prerequisite for MPHM 8280.
- The Internship course MPHC 8722 should be taken after at least 12 credit hours of coursework is completed, but prior to the graduating semester. The Internship site MOU needs to be established before the internship can take place. Students are required to work on identifying their internship site one semester prior to the semester in which the internship will start.
- The Capstone course MPHC 8999 should be taken at the last semester of the student's program of study.

Program Information

Program Length: 2-5 Years
CIP Code: 51.2201
Program Code: MPH_HINF
Major Code: PUBH
Concentration Code: SOCS

Degree Requirements

MPH Core Courses: 21 Hours

EPID 7130 - Introduction to Epidemiology (3 Credit Hours)
MPHC 7101 - Health Management and Policy (3 Credit Hours)
MPHC 8600 - Fundamentals of Health Promotion (3 Credit Hours)
MPHC 8700 - Introduction to Environmental Health (3 Credit Hours)
MPHM 7210 - Health Care Performance Improvement (3 Credit Hours)
MPHM 8280 - Research Methods in Public Health (3 Credit Hours)
STAT 7010 - Biostatistics I (3 Credit Hours)

Social and Behavioral Sciences Concentration Courses: 9 Hours

MPHS 8200 - Integration Social and Behavioral Theory into Public Health (3 Credit Hours)
MPHS 8300 - Social Determinants of Health and Health Disparities (3 Credit Hours)

MPHS 8400 - Social Behavioral Change at Individual, Household, and Community Levels (3 Credit Hours)

Electives: 9 Hours

Select three of the following:

MPHC 7209 - Health Law and Ethics (3 Credit Hours)

MPHI 8000 - Computerized Health Information Systems (3 Credit Hours)

MPHI 8001 - Public Health Informatics (3 Credit Hours)

MPHI 8400 - Health Data Management and Knowledge Discovery (3 Credit Hours)

MPHM 7102 - Human Resource Management (3 Credit Hours)

MPHM 7104 - Healthcare Financial Management (3 Credit Hours)

MPHM 8220 - Strategic Management of Healthcare Organizations (3 Credit Hours)

Research and Practice Courses: 6 Hours

MPHC 8011 - Ethical Conduct in Research (1 Credit Hour)

MPHC 8722 - Internship (2 or 5 Credit Hours)

MPHC 8999 - Capstone Course (3 Credit Hours)

Degree Total: 45 Hours

Master of Science

Master of Science with a Major in Allied Health with a Concentration in Nutrition

Program Overview

The MS-Dietetic Internship Program is a 21-month program accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND). The program has a medical nutrition therapy (clinical) concentration that maximizes the unique variety of medical and healthcare facilities in the Augusta area.

augusta.edu/alliedhealth/nutrition-dietetics

Program Contact

Nicole Moore

706-721-2320

nutrition@augusta.edu

Admissions Information

See the program website above for specific admissions information.

Progression and Graduation Requirements

In order to complete the program, all graduate student interns must complete 45 credit hours, achieve a letter grade of B or higher on all graduate courses, and complete a capstone project. Graduate students must complete 1152 hours of supervised practice, achieve all ACEND competencies, and score 80% or higher on supervised practice performance evaluations, projects, assignments, and other activities assigned by the preceptors and/or program director. Students are also required to complete 30 volunteer hours in the first year and 20 volunteer hours in the second year. Graduate student interns meeting the above criteria will also receive an ACEND Verification Statement signed by the director. Graduate student interns (graduates) will then be eligible to take the Registered Dietitian Nutritionist Exam.

Program Information

Program Length: 2 Years

CIP Code: 51.0999

Program Code: MS_AHSC

Major Code: AHSC

Concentration Code: CLNT

Degree Requirements

CAHS 6501 - Evidence-Based Practice (2 Credit Hours)

CAHS 7100 - Pathophysiology for Allied Health Professionals (3 Credit Hours)

CAHS 7200 - Capstone Project (2 Credit Hours)

FDNS 6500 - Special Topics in Nutrition and Foods (1 Credit Hour)

FDNS 7200 - Advanced Nutrition- Macronutrients (3 Credit Hours)

FDNS 7210 - Advanced Nutrition- Micronutrients (3 Credit Hours)

FDNS 7300 - Advanced Nutritional Status Assessment Techniques Lab (2 Credit Hours)

FDNS 7350 - Nutrition for Older Adults (2 Credit Hours)

FDNS 7380 - Maternal, Infant, and Child Nutrition (2 Credit Hours)

FDNS 7400 - Advanced Medical Nutrition Therapy (4 Credit Hours)

FDNS 7500 - Obesity: Prevention, Treatment, and Management (2 Credit Hours)

FDNS 7650 - Food, Culture, and Sustainability (2 Credit Hours)

FDNS 7800 - Nutrition Independent Study (2 Credit Hours)

FDNS 7850 - Dietetic Internship (3 Credit Hours) *(taken for a total of 9 hours)*

FDNS 7900 - Nutritional Genomics (3 Credit Hours)

STAT 6300 - Introduction to Epidemiology and Biostatistics (3 Credit Hours)

Degree Total: 45 Hours

Master of Science with a Major in Biological and Computational Mathematics

Program Overview

The MS program in Biological and Computational Mathematics is a two-year program consisting of 36 hours of courses. Graduates of the program will be well-equipped to use a variety of methods to construct mathematical models in order to solve real-world problems, especially those problems of an interdisciplinary nature. The expertise of the faculty involved includes many applications in the biomedical fields. The nature and breadth of the curriculum allows students to enter jobs in industry or to enter PhD programs in Applied Mathematics. The program includes a strong experiential component in the form of seminars as well as a graduate project course where students have the opportunity to conduct original research in applied mathematics.

augusta.edu/scimath/mathgrad

Program Contact

Dr. Neal Smith

706-737-1672

mathematics_ms@augusta.edu

Admissions Information

For specific admissions information, please visit the Office of Admissions website.

Progression and Graduation Requirements

- The program requires 36 hours of graduate coursework, typically completed over four semesters.

- Students must maintain a cumulative 3.0 GPA in all graduate coursework.
- Comprehensive examinations spanning three courses of study in the program must be completed. Courses used for the comprehensive exam must be approved by the department's graduate committee.

Program Information

Program Length: 2 Years

CIP Code: 27.0199

Program Code: 1MS-BCMA-MS

Major Code: BCMA

Degree Requirements

Major Courses: 24 Hours

MATH 6011 - Real Analysis I (3 Credit Hours)

MATH 6200 - Applied Partial Differential Equations (3 Credit Hours)

MATH 6350 - Numerical Analysis (3 Credit Hours)

MATH 6580 - Computational Linear Algebra (3 Credit Hours)

MATH 6610 - Mathematical Models (3 Credit Hours)

MATH 6630 - Topics in Mathematical Biology (3 Credit Hours)

Graduate Project/Thesis: 3-6 Hours

Select one of the following options:

Option 1 - Graduate Project: 3 Hours

MATH 6990 - Graduate Project (3 Credit Hours)

Option 2 - Thesis: Up to 6 Hours

MATH 6999 - Master's Thesis (2 to 3 Credit Hours)

Option 3 - Approved Interdisciplinary Course: 3 Hours

Select one of the following:

MPHI 8001 - Public Health Informatics (3 Credit Hours)

QUAN 6610 - Designing, Managing, and Improving Operations (3 Credit Hours)

STAT 7010 - Biostatistics I (3 Credit Hours)

STAT 7020 - Biostatistics II (3 Credit Hours)

STAT 7070 - Biomedical Statistics (3 Credit Hours)

STAT 7110 - Statistical Models and Methods (3 Credit Hours)

STAT 7130 - Introduction to Epidemiology (3 Credit Hours)

STAT 7650 - Introduction to Stochastic Processes (3 Credit Hours)

Electives: 12-15 Hours

Select from the following:

MATH 6120 - Statistical Theory I (3 Credit Hours)

MATH 6130 - Statistical Theory II (3 Credit Hours)

MATH 6220 - Dynamical Systems (3 Credit Hours)

MATH 6360 - Numerical Partial Differential Equations (3 Credit Hours)

MATH 6400 - Combinatorial Mathematics (3 Credit Hours)

MATH 6420 - Introduction to the Theory of Graphs (3 Credit Hours)

MATH 6440 - Applied Discrete Mathematics (3 Credit Hours)

MATH 6620 - Optimization (3 Credit Hours)

MATH 6640 - Stochastic Differential Equations and Applications (3 Credit Hours)

MATH 6940 - Graduate Teaching Seminar (1 Credit Hour)

MATH 6960 - Graduate Seminar (3 Credit Hours)

MATH 6965 - Research Seminar (3 Credit Hours)

MATH 6980 - Special Topics (3 Credit Hours)

MATH 6990 - Graduate Project (3 Credit Hours) (May be repeated a second time for an additional 3 hours if there is ongoing work which is likely to yield a peer-reviewed publication.)

MATH 6999 - Master's Thesis (2 to 3 Credit Hours)

Degree Total: 36 Hours

Master of Science with a Major in Biomolecular Science

Program Overview

The Master of Science in Biomolecular Science is a two-year, 36 credit-hour graduate program that provides education and training for careers in pharmaceutical, biotechnology, biomedical, and chemical industries or for entry into doctoral research or professional degree programs. Students develop transferable skills of data analysis, problem solving, critical evaluation of scientific literature, oral and written communication, experimental methods, and interdisciplinary knowledge of the biological systems and responses to bioactive compounds at a physiological, cellular, and molecular level. With a requirement to complete a mentored research project, the program prepares students to investigate a wide range of biomedical-related topics including study of the mechanism of disease and development of new drugs. Students will choose as a focus area of their studies either the cell and molecular biology concentration or the medicinal chemistry concentration.

augusta.edu/scimath

Program Contact

Angela Spencer, PhD

706-667-4512

anspencer@augusta.edu

Admissions Information

For more information, visit Office of Admissions website at augusta.edu/admissions.

Program Information

Program Length: 2 Years

CIP Code: 26.0299

Program Code: 1MS-BISC

Degree Requirements

Major Courses: 12 Hours

BIOL 6170 - Techniques in Biomolecular Science (3 Credit Hours)

or CHEM 6170 - Techniques in Biomolecular Science (3 Credit Hours)

BIOL 6620 - Principles of Medicinal Chemistry (3 Credit Hours)

or CHEM 6620 - Principles of Medicinal Chemistry (3 Credit Hours)

or BIOL 6623 - Principles of Medicinal Chemistry Advanced Topics (1 Credit Hour)

and BIOL 6990 - Biological Research (1 to 9 Credit Hours) (*taken for 2 credit hours*)

or CHEM 6623 - Principles of Medicinal Chemistry Advanced Topics (1 Credit Hour)

and CHEM 6990 - Master's Research (1 to 9 Credit Hours) (*taken for 2 credit hours*)

BIOL 6720 - Principles of Pharmacology (3 Credit Hours)

or CHEM 6720 - Principles of Pharmacology (3 Credit Hours)

or BIOL 6723 - Pharmacology - Advanced Topics (1 Credit Hour)

and [BIOL 6990 - Biological Research (1 to 9 Credit Hours) (*taken for 2 credit hours*)

or CHEM 6990 - Master's Research (1 to 9 Credit Hours)] (*taken for 2 credit hours*)

BIOL 6970 - Introduction to Research (2 Credit Hours)
 or CHEM 6970 - Introduction to Research (2 Credit Hours)
 BIOM 8011 - Responsible Conduct of Research (1 Credit Hour)

Concentration Courses: 24 Hours

Select one of the following concentrations.

Cell and Molecular Biology Concentration

BIOL 6980 - Research Proposal Development (3 Credit Hours)
 BIOL 6990 - Biological Research (1 to 9 Credit Hours) *(taken for 15 credit hours)*
 STAT 7010 - Biostatistics I (3 Credit Hours)

Plus select one of the following options:

BIOL 6680 - Pathophysiology (3 Credit Hours)
 BIOL 6683 - Pathophysiology - Advanced Topics (1 Credit Hour) and BIOL 6990 - Biological Research (1 to 9 Credit Hours)
 BIOL 6700 - Advanced Cell Biology (3 Credit Hours)
 BIOL 6780 - Molecular Carcinogenesis (3 Credit Hours)
 BIOL 6783 - Molecular Carcinogenesis - Advanced Topics (1 Credit Hour) and BIOL 6990 - Biological Research (1 to 9 Credit Hours) *(taken for 2 credit hours)*

Medicinal Chemistry Concentration

CHEM 6450 - Advanced Organic Chemistry- Synthesis (3 Credit Hours)
 or CHEM 6453 - Advanced Organic Chemistry- Synthesis Advanced Topics (1 Credit Hour)
 and CHEM 6990 - Master's Research (1 to 9 Credit Hours) *(taken for 2 credit hours)*
 CHEM 6610 - Rational Drug Design (3 Credit Hours)
 or CHEM 6613 - Rational Drug Design Advanced Topics (1 Credit Hour)
 and CHEM 6990 - Master's Research (1 to 9 Credit Hours) *(taken for 2 credit hours)*
 CHEM 6980 - Research Proposal Development (3 Credit Hours)
 CHEM 6990 - Master's Research (1 to 9 Credit Hours) *(taken for 15 credit hours)*

Degree Total: 36 Hours

Master of Science with a Major in Biostatistics

Program Overview

The Master of Science (MS) in Biostatistics provides individuals with rigorous training in statistical methodology in order to prepare them for careers as biostatisticians to collaborate with and provide statistical support to scientists and research in biomedical, health sciences, and other related areas of research. The MS program provides an intensive exposure to the wide range of methodologies and techniques needed to function and excel as a biostatistician, with expertise in designing data collection for experiments, observational studies, and clinical trials, extracting information stored in various forms, and analyzing, reporting and presenting the findings.

augusta.edu/mcg/dphs/academic_programs/ms-biostatistics

Program Contact

Dr. Santu Ghosh
 706-721-0804
gradstudies@augusta.edu

Progression and Graduation Requirements

- No summer courses are required. Enrolling in STAT 8890 is optional.

- Consulting Project or Thesis Research proposal due one week before midterm of fall.

Program Information

Program Length: 2 Years

CIP Code: 26.1102

Program Code: MS_BIOS

Degree Requirements

Required Courses: 27 Hours

DATS 7510 - Programming for Data Analysis (3 Credit Hours)
 STAT 7110 - Statistical Models and Methods (3 Credit Hours)
 STAT 7520 - Statistical Theory I (3 Credit Hours)
 STAT 7620 - Statistical Theory II (3 Credit Hours)
 STAT 7630 - Applied Linear Models (3 Credit Hours)
 STAT 7640 - Generalized Linear Models I (3 Credit Hours)
 STAT 7720 - Survival Analysis (3 Credit Hours)
 STAT 7870 - Biostatistical Consulting in Research (3 Credit Hours)
 STAT 7910 - Biostatistical Consulting Project (1 to 12 Credit Hours)
 or STAT 7920 - Thesis Research (1 to 12 Credit Hours): 3 Credit Hours

Elective Courses: 9 Hours

Select three of the following:

DATS 7860 - Statistical and Machine Learning for Big Data (3 Credit Hours)
 DATS 8170 - Advanced Computational Methods (3 Credit Hours)
 STAT 7130 - Introduction to Epidemiology (3 Credit Hours)
 STAT 7240 - Introduction to Clinical Trials (3 Credit Hours)
 STAT 7260 - Design Analysis and Observational Studies (3 Credit Hours)
 STAT 7350 - Epidemic Investigation (3 Credit Hours)
 STAT 7360 - Systematic Reviews (3 Credit Hours)
 STAT 7370 - Intermediate Epidemiology (3 Credit Hours)
 STAT 7650 - Introduction to Stochastic Processes (3 Credit Hours)
 STAT 7750 - Introduction to Genetic Analysis (3 Credit Hours)
 STAT 7850 - Omics Data Analysis (3 Credit Hours)
 STAT 7880 - Special Topics (1 to 3 Credit Hours)
 STAT 8150 - Advanced Genomic Data Analysis (3 Credit Hours)
 STAT 8160 - Analysis of Clustered and Correlated Data (3 Credit Hours)
 STAT 8231 - Nonparametric and Robust Statistical Methods (3 Credit Hours)
 STAT 8270 - Computational Genomics and Proteomics (3 Credit Hours)
 STAT 9120 - Theory of Linear Models (3 Credit Hours)
 STAT 9140 - Generalized Linear Models II (3 Credit Hours)
 STAT 9220 - Advanced Statistical Inference (3 Credit Hours)
 STAT 9240 - Bayesian Inference (3 Credit Hours)
 STAT 9280 - Advanced Special Topics (1 to 3 Credit Hours)

Degree Total: 36 Hours

Master of Science with a Major in Computer Science

Program Overview

The Master of Science in Computer Science (MS-CS) is a 30-credit program that may be completed either full-time or on a part-time basis. The program will provide students with graduate level coverage of algorithms, theory, systems, and an advanced topics course in cybersecurity. The electives will be chosen from courses on programming languages, cyber-physical systems, formal methods, machine learning,

networked and distributed systems, and bioinformatics. The degree will have a thesis-based program and course based (non-thesis) version.

Augusta University's program will train graduate students to become capable of applying mainstream computer science knowledge to formulating and solving problems ranging from problems that are solved by routine applications of computer science to problems that require advancing the state-of-the-art in the discipline.

augusta.edu/ccs/programs

Program Contact

Dr. Gursimran Walia
706-721-1100

ccs@augusta.edu

Admissions Requirements

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- Satisfactory progress toward a MS-CS degree requires that a student maintain a cumulative grade point average (GPA) of at least 3.0 for all courses attempted.
- Failure to earn a minimum 3.0 GPA in any given semester results in immediate dismissal from the program.
- A minimum grade of B must be earned for each MS-CS course.
- All requirements for the MS-CS degree must be completed within five consecutive years.

Program Information

Program Length: 2 Years

CIP Code: 11.0101

Program Code: 1MS-MCOS

Major Code: MCOS

Degree Requirements

Required Courses: 9 Hours

CSCI 7100 - Algorithm Analysis (3 Credit Hours)

CSCI 7300 - Programming Languages (3 Credit Hours)

CSCI 7340 - Machine Learning (3 Credit Hours)

Non-Thesis/Thesis Tracks: 21 Hours

Select one of the following track options:

Non-Thesis Track

Electives: 21 Hours

Select 21 hours from the following, with approval from the program director:

CSCI 6XXX - Computer Science Elective (3 Credit Hours)

CSCI 7XXX - Computer Science Elective (3 Credit Hours)

CYBR 6XXX - Cyber Studies Elective (3 Credit Hours)

CYBR 7XXX - Cyber Studies Elective (3 Credit Hours)

Thesis Track

Required Courses: 9 Hours

CSCI 6900 - Introduction to Research (3 Credit Hours)

CSCI 6910 - Master's Thesis Research (1 to 9 Credit Hours) *(taken twice for a total of 6 credit hours)*

Electives: 12 Hours

Select 12 hours from the following, in consultation with advisor:

CSCI 6XXX - Computer Science Elective (3 Credit Hours)

CSCI 7XXX - Computer Science Elective (3 Credit Hours)

CYBR 6XXX - Cyber Studies Elective (3 Credit Hours)

CYBR 7XXX - Cyber Studies Elective (3 Credit Hours)

Degree Total: 30 Hours

Master of Science with a Major in Data Science

Program Overview

The Master of Science (MS) degree with a Major in Data Science provides individuals with rigorous training in data science methods in order to empower aspiring students with innovative data science methods to address complex problems facing the society and well-being of humankind. The program will give students a strong foundation and expertise in quantitative methods, machine learning tools and data management skills for optimally visualizing, summarizing and analyzing large and complex data.

augusta.edu/programs/data-science-ms

Program Contact

Dr. Hongyan Xu

706-721-3278

gradstudies@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Program Information

Program Length: 1 Calendar Year or 2 Academic Years

CIP Code: 30.7001

Program Code: MS_DSCI

Degree Requirements

Core Courses: 21 Hours

STAT 7110 - Statistical Models and Methods (3 Credit Hours)

DATS 7510 - Programming for Data Analysis (3 Credit Hours)

DATS 7530 - Computing for Data Science (3 Credit Hours)

STAT 7630 - Applied Linear Models (3 Credit Hours)

STAT 7670 - Modern Methods of Multivariate Analysis (3 Credit Hours)

DATS 7760 - Data and Visual Analytics (3 Credit Hours)

DATS 7860 - Statistical and Machine Learning for Big Data (3 Credit Hours)

Electives: 9 hours

Select one group from the three elective groups:

I. Cybersecurity Electives Courses: 9 Hours

AIST 6359 - Legal Issues in Information Security (3 Credit Hours)

AIST 6510 - Information Systems Security I (3 Credit Hours)

AIST 6515 - Information Systems Security II (3 Credit Hours)

II. Genomics Elective Courses: 9 Hours

STAT 7750 - Introduction to Genetic Analysis (3 Credit Hours)

STAT 7850 - Omics Data Analysis (3 Credit Hours)

STAT 8150 - Advanced Genomic Data Analysis (3 Credit Hours)

III. Combination Electives: 9 to 10 Hours

Select a combination of electives from I and II, or other graduate level courses (totaling 9 or 10 hours) from other Augusta University graduate programs with permission of the Program Director.

Capstone Project: 6 Hours

DATS 7900 - Capstone Project in Data Science (3 to 6 Credit Hours)

Degree Total: 36 Hours

Master of Science with a Major in Information Security Management

Program Overview

The Master of Science with a Major in Information Security Management (ISM) is a 30-hour master's program consisting of three core courses, a choice of a technical or managerial track, and two crosscutting courses. Students have the flexibility of choosing a track and still taking several courses from the other track. The managerial track is grounded in the eight domains of information security as articulated for the Certified Information Systems Security Professional (CISSP).

augusta.edu/ccs/ms-ism

Program Contact

Dr. James Smith

706-721-1110

ccs@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

Satisfactory progress toward a degree requires that a student maintain a cumulative grade point average (GPA) of at least 3.0 for all courses attempted. A minimum grade of C must be earned for each course and students must have a 3.0 cumulative GPA at the time of graduation. All requirements for the ISM degree must be completed within five consecutive years.

Any student whose cumulative GPA falls below 3.0 is placed on academic probation. While on probation, the student must earn a minimum of 3.0 each grading period until the cumulative GPA is raised to at least 3.0. Students who fail to earn at least a 3.0 during a semester they are on probation shall be recommended for academic dismissal from The Graduate School.

Where circumstances warrant, a student being considered for dismissal under the provisions of this policy may be permitted to continue as a student on probation. Failure to earn 3.0 GPA or higher in a semester when a student is on their second approved probation will result in a second and final dismissal from the program.

Program Information

Program Length: 5 Years

CIP Code: 11.1003

Program Code: 1MS-ISM

Major Code: ISM

Degree Requirements

Core Courses: 9 Hours

AIST 6515 - Information Systems Security II (3 Credit Hours)

AIST 6510 - Information Systems Security I (3 Credit Hours)

CYBR 5600 - Networking and Cybersecurity (3 Credit Hours)

Track Courses: 15 Hours

Select one of the following tracks:

Technical Track: 15 Hours

Technical Track Required Courses: 6 Hours

CSCI 5170 - Computer Organization (3 Credit Hours)

CSCI 5371 - Low-Level Programming (3 Credit Hours)

Technical Track Elective Courses: 9 Hours

Select 3 of the following courses:

AIST 5450 - Accelerated Introduction to Python (3 Credit Hours)

CSCI 6100 - Cyber-physical Systems (3 Credit Hours)

CSCI 6531 - Malware Analysis and Reverse Engineering (3 Credit Hours)

CSCI 6532 - Hardware and Embedded Systems (3 Credit Hours)

CSCI 6540 - Digital Forensics and Machine Learning (3 Credit Hours)

CSCI 7950 - Selected Topics (3 Credit Hours)

CSCI 7954 - Advanced Topics in Cybersecurity (3 Credit Hours)

CYBR 6250 - Scripting and Automation for Cybersecurity (3 Credit Hours)

CYBR 6400 - Digital Forensics (3 Credit Hours)

CYBR 7000 - Cryptography (3 Credit Hours)

CYBR 7100 - Ethical Hacking and Penetration Testing (3 Credit Hours)

CYBR 7300 - Network Security (3 Credit Hours)

CYBR 7500 - Cloud and Edge Security (3 Credit Hours)

CYBR 7550 - IoT Security (3 Credit Hours)

Management Track: 15 Hours

Management Track Required Courses: 6 Hours

AIST 6353 - Human Factors in Information Security (3 Credit Hours)

AIST 6359 - Legal Issues in Information Security (3 Credit Hours)

Management Track Elective Courses: 9 Hours

Select 3 of the following courses:

AIST 6355 - Information Security Policy Development (3 Credit Hours)

AIST 6357 - Information Risk Management (3 Credit Hours)

AIST 6361 - Principles of Incident Response and Disaster Recovery (3 Credit Hours)

AIST 6363 - Cloud Computing Security (3 Credit Hours)

AIST 6369 - Information Security and the Global Cyber Threat Environment (3 Credit Hours)

AIST 6950 - Selected Topics in Information Security Management (3 Credit Hours)

Electives: 6 Hours

Select two additional courses not already taken from either the Technical or Management Track electives lists.

Degree Total: 30 Hours

Master of Science with a Major in Kinesiology

Program Overview

The Master of Science in Kinesiology (MSK) is designed to advance students' knowledge and experience in exercise science, health, physical activity and sports coaching. The degree is comprised of two distinct tracks/options: non-thesis (comprehensive exams and internship) and thesis (research paper and oral presentation/defense). The non-thesis track is offered 100% online and does not require students to be physically present on the Augusta University campus in order to complete the degree program. The thesis track is offered primarily online; however, it does require students to be physically present on the Augusta University campus for two semesters (typically the last two semesters of the degree program) to complete the applied research courses and related face-to face work.

The MSK degree provides the knowledge and experience to students who have a related degree (e.g., BS Ed. in Health and Physical Education, BS in exercise science, exercise physiology, health science, allied health, etc.) to enhance their professional expertise. Programs of study will be based upon student career goals and aspirations with emphasis on exercise science-based topics at the advanced level, advanced quantitative and qualitative research classes and other areas of specialization (such as sports coaching) in relation to their academics and experience.

augusta.edu/education/kinesiology/kinesiology-ms

Program Contact

Dr. Maleah Winkler

706-737-1468

awinkler@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- Comprehensive Written Examinations:** Students interested in the sports coaching certificate program and practical hands-on experience would benefit more from the non-thesis option. Students on the non-thesis track will complete comprehensive written exams at the end of their final semester in the program. These exams will be administered by the MSK Graduate Program Director in consultation with the student and selected faculty members in the Department of Kinesiology. Three classes from the core program area of the degree will be selected for the examinations. The test-bank of questions associated with the three core classes will be shared with each student around midterm of their final semester. Questions generated from the test-bank for each exam will be open-ended in nature, with an emphasis on critical thinking and practical application. A pre-determined two-hour window will be strictly adhered to for completion of each of the three exams via the online platform. A total of no more than six hours will be given to complete the comprehensive exams in their entirety. After completion of each exam, the selected faculty member(s) will be asked to evaluate whether the responses to the exam questions demonstrate the required level of expertise to confer completion of the degree. Each exam will be pass/fail in nature, with the student having to pass all three sections of the comprehensive exams to complete the Degree Requirements. In the event that a student fails any part of the comprehensive exams, the MSK Graduate Program Director, in consultation with the relevant faculty member(s), will debrief the student, clarify the area(s) of weakness to be addressed by the student, and schedule another pre-determined window to modify and improve the submission via the online platform. This process and the subsequent re-evaluation and grading will take no more than one week to complete. If a student fails the re-take, (s)he must register for at least three credit

hours in the next semester and re-apply to take it again then.

- **Thesis and Oral Presentation:** Students interested in pursuing a doctoral degree would benefit more from completing the thesis track in preparation for dissertation research. In order to complete the thesis, students must work directly with a faculty member in the Department of Kinesiology to facilitate the completion of the written document. This will require students to be physically present on campus for two semesters (typically the last two semesters of the degree program) to complete the applied research courses and related face-to-face work. The remaining courses required to complete the thesis track will be offered 100% online.
- Students selecting the thesis track will present their research and defend it to their committee as their final requirement for graduation. The MSK Graduate Program Director will oversee the selection and appointment of the thesis committee that will be comprised of a minimum of two faculty members from the Department of Kinesiology, with the MSK Graduate Program Director being one of them. The faculty member with expertise and research interests most closely aligned to the student's research area and methodology will be appointed the chair of the committee. After completion of the oral presentation, the committee will evaluate and deliberate about whether the research paper and presentation demonstrate the required level of expertise to confer completion of the degree. In the event that the thesis does not meet the necessary standard to confer degree completion, the student will be given one week to make the suggested modifications and improvements to satisfy the committee.
- **GPA Requirement:** To graduate, students must earn an overall 2.8 GPA.

Program Information

Program Length: 2 Years

CIP Code: 31.0505

Program Code: 1MS-KINW

Degree Requirements

Select one of the following options:

Non-Thesis Option

Research Core: 6 Hours

EDUC 6021 - Introduction to Educational Research (3 Credit Hours)

KNHS 6413 - Statistics and Evaluation in Kinesiology (3 Credit Hours)

Program Area: 15 Hours

KNHS 6311 - Behavioral Aspects of Physical Activity (3 Credit Hours)

KNHS 6339 - Trends and Issues in Kinesiology and Health Sciences (3 Credit Hours)

KNHS 6411 - Motor Control and Learning (3 Credit Hours)

KNHS 6431 - Advanced Application of Nutrition in Health and Human Performance (3 Credit Hours)

KNHS 6432 - Physiological Responses to Exercise (3 Credit Hours)

Electives: 12 Hours

Select from the following:

KNHS 6312 - Cardiovascular Response to Exercise (3 Credit Hours)

KNHS 6313 - Principles of Strength and Conditioning (3 Credit Hours)

KNHS 6314 - Biomechanics (3 Credit Hours)

KNHS 6352 - Athletic Injuries, Care, and Prevention (3 Credit Hours) *

KNHS 6353 - Taking the Athlete to the Next Level (3 Credit Hours) *

KNHS 6354 - Foundations and Ethics of Sports Coaching (3 Credit Hours)

KNHS 6430 - Advanced Health and Wellness (3 Credit Hours)

KNHS 6950 - Selected Topics (1 to 3 Credit Hours)

Any approved electives designed to meet the career interests of the student

** Post-Baccalaureate Certificate in Sports Coaching courses*

Internship: 3 Hours

KNHS 6400 - Internship in Kinesiology and Health Science (3 Credit Hours)

Thesis Option

Research Core: 6 Hours

EDUC 6021 - Introduction to Educational Research (3 Credit Hours)

KNHS 6413 - Statistics and Evaluation in Kinesiology (3 Credit Hours)

Program Area: 15 Hours

KNHS 6311 - Behavioral Aspects of Physical Activity (3 Credit Hours)

KNHS 6339 - Trends and Issues in Kinesiology and Health Sciences (3 Credit Hours)

KNHS 6411 - Motor Control and Learning (3 Credit Hours)

KNHS 6431 - Advanced Application of Nutrition in Health and Human Performance (3 Credit Hours)

Electives: 9 Hours

Select from the following:

KNHS 6312 - Cardiovascular Response to Exercise (3 Credit Hours)

KNHS 6313 - Principles of Strength and Conditioning (3 Credit Hours)

KNHS 6314 - Biomechanics (3 Credit Hours)

KNHS 6331 - Organization and Administration of Physical Education and Athletic Programs (3 Credit Hours)

KNHS 6352 - Athletic Injuries, Care, and Prevention (3 Credit Hours) *

KNHS 6353 - Taking the Athlete to the Next Level (3 Credit Hours) *

KNHS 6354 - Foundations and Ethics of Sports Coaching (3 Credit Hours)

KNHS 6430 - Advanced Health and Wellness (3 Credit Hours)

KNHS 6950 - Selected Topics (1 to 3 Credit Hours)

Any approved electives designed to meet the career interests of the student

** Post-Baccalaureate Certificate in Sports Coaching courses*

Thesis: 6 Hours

KNHS 6442 - Applied Research Project (3 Credit Hours)

KNHS 6442 - Applied Research Project (3 Credit Hours)

Degree Total: 36 Hours

Master of Science with a Major in Medical Physiology

Program Overview

The Master of Science (MS) in Medical Physiology program is directed toward individuals who wish to improve their academic credentials, and develop a solid foundation in physiology, before applying to medical school or other professional schools in the healthcare field. Physiology is the fundamental basis of medicine and a critical component of all healthcare professional school programs. This program provides a strong foundation and depth of knowledge in human physiology, which students can build upon as they matriculate into professional school programs. The unique curriculum in this program is designed to demonstrate academic strength in graduate-level, rigorous STEM courses, which can strengthen a student's application to professional schools.

The program totals 30 credit hours and is designed to be completed in two semesters. Coursework consists of a series of core classes in physiology, pathophysiology, anatomy, and histology, followed by electives consisting of more advanced coursework in physiology or a laboratory research elective.

augusta.edu/programs/medical-physiology-ms

Program Contact

Ruchi Patel, PhD
rpatel8@augusta.edu

Karen Wiles, PhD
kawiles@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- The requirements for satisfactory progression in the program and graduation will be consistent with the Graduate Student Handbook guidelines, as laid out by The Graduate School.
- Satisfactory progress toward the MS in Medical Physiology requires that a student maintain a cumulative grade point average (GPA) of at least 2.8 for all courses attempted. A minimum grade of C or satisfactory in courses graded S/U (where S = satisfactory, U = unsatisfactory) must be earned for each non-repeatable course applying toward a graduate degree, and a 2.8 cumulative GPA in all courses attempted toward the degree is required for graduation. For repeatable S/U courses only, students may be allowed up to one U grade.
- Any student whose cumulative GPA falls below 2.8 is placed on academic probation. While on probation, the student must earn a minimum of 3.0 each grading period until the cumulative GPA is raised to at least 2.8. Students who fail to earn at least 3.0 each period while on probation shall be recommended for academic dismissal from the program.
- The minimum requirement for an MS in Medical Physiology degree is two (2) full academic semesters. All coursework and other requirements must be completed within five (5) consecutive years from the date of enrollment. Leaves of absence (withdrawals) do not extend the five-year limit.
- The Graduate School requires a cumulative GPA of at least 2.8 to graduate. Students cannot graduate with a D or F grade in any course and must re-take the course to earn at least a C grade or higher. Students cannot graduate with a U grade in any non-repeatable S/U course and likewise must re-take the course to earn an S grade.

Program Information

Program Length: 1 Year
CIP Code: 260901
Program Code: MS_MEDP

Degree Requirements

Required Courses: 24 Hours

PSIO 6110 - Medical Physiology I (8 Credit Hours)
PSIO 6410 - Medical Anatomy (2 Credit Hours)
PSIO 6510 - Medical Histology (2 Credit Hours)
PSIO 6610 - Seminar in Physiology (1 Credit Hour) (*taken twice; once in Fall, once in Spring*)
PSIO 6710 - Pathophysiology I (2 Credit Hours)
PSIO 6720 - Pathophysiology II (2 Credit Hours)
PSIO 6810 - Medical Physiology II (6 Credit Hours)

Electives: 6 Hours

Select either the Advanced Coursework or Research Elective option:

Advanced Coursework Electives

PSIO 7210 - Advanced Renal Physiology (2 Credit Hours)

PSIO 7310 - Advanced Cardiovascular Physiology (2 Credit Hours)

PSIO 7510 - Advanced Cell and Molecular Physiology (2 Credit Hours)

Research Elective

PSIO 7410 - Independent Research (6 Credit Hours)

Degree Total: 30 Hours

Master of Science with a Major in Psychology with a Concentration in Applied Experimental

Program Overview

This track prepares students to work as a research assistant or associate immediately after graduation. Graduates of this track typically work under the direction of doctoral level researchers coordinating large research projects. Students gain intensive research experiences through a first year research practicum with a faculty mentor and 450 hours of research internship. It is a 40 hour program completed over five semesters. Some students also use this degree to teach psychology at the college level and teaching internships are an option.

augusta.edu/pamplin/psychology/graduate

Program Contact

Dr. Sabina Widner

706-667-4613

swidner@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Program Information

Program Length: 2 Years

CIP Code: 42.0101

Program Code: 1MS-PSYCH

Degree Requirements**Research Foundations: 14 Hours**

PSYC 6121 - Research Methods I (3 Credit Hours)

PSYC 6122 - Research Methods II (3 Credit Hours)

PSYC 6921 - Research Methods Lab I (1 Credit Hour)

PSYC 6922 - Research Methods Laboratory II (1 Credit Hour)

PSYC 6930 - Research Practicum I (3 Credit Hours)

PSYC 6931 - Research Practicum II (3 Credit Hours)

Social/Cultural/Systemic Basis of Behavior: 3 Hours

PSYC 6173 - Social Psychology and Human Diversity (3 Credit Hours)

Learned Bases of Behavior: 3 Hours

Select one of the following courses:

PSYC 6130 - Developmental Psychology (3 Credit Hours)

PSYC 6165 - Learning Principles and Applications (3 Credit Hours)
PSYC 6168 - Cognitive Psychology (3 Credit Hours)

Biological Bases of Behavior: 3 Hours

Select one of the following courses:

PSYC 6181 - Behavioral Neuroscience (3 Credit Hours)
PSYC 6182 - Clinical and Addictive Psychopharmacology (3 Credit Hours)

Professional Foundations: 1 Hour

PSYC 6190 - Professional Foundations (1 Credit Hour)

Assessment Foundations: 4 Hours

PSYC 6126 - Cognitive Assessment (3 Credit Hours)
PSYC 6926 - Cognitive Assessment Practicum (1 Credit Hour)

Internship: 6 Hours

Choose one of the following courses:

PSYC 6940 - Industrial-Organization Internship (1 to 3 Credit Hours)
PSYC 6970 - Teaching Internship (1 to 9 Credit Hours)
PSYC 6980 - Research Internship (1 to 9 Credit Hours)

Free Electives: 6 Hours

Select from the following:

PSYC 6115 - History and Systems of Psychology (3 Credit Hours)
PSYC 6127 - Personality Assessment (3 Credit Hours)
PSYC 6130 - Developmental Psychology (3 Credit Hours)
PSYC 6143 - Behavior Pathology (3 Credit Hours)
PSYC 6147 - Seminar in Group Process (3 Credit Hours)
PSYC 6165 - Learning Principles and Applications (3 Credit Hours)
PSYC 6168 - Cognitive Psychology (3 Credit Hours)
PSYC 6181 - Behavioral Neuroscience (3 Credit Hours)
PSYC 6182 - Clinical and Addictive Psychopharmacology (3 Credit Hours)
PSYC 6950 - Special Topics (1 to 3 Credit Hours)
Up to three hours of an approved non-psychology graduate course

Degree Total: 40 Hours

Master of Science with a Major in Psychology with a Concentration in Clinical/Counseling

Program Overview

This track is geared toward meeting the academic requirements for the Licensed Professional Counselor license in Georgia. It is a 60-hour program and requires 600 hours of clinical internship. The program is based on a cohort model with all students beginning in fall semester.

augusta.edu/pamplin/psychology/graduate

Program Accreditation

The clinical track is accredited by the Masters in Psychology & Counseling Accreditation Council (MPCAC).

Program Contact

Dr. Sabina Widner

706-667-4613

swidner@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Program Information

Program Length: 2 Years

CIP Code: 42.0101

Program Code: 1MS-PSYCH

Degree Requirements

Select one of the following tracks:

Non-Thesis Track: 60 Hours

Research Foundations: 8 Hours

PSYC 6121 - Research Methods I (3 Credit Hours)

PSYC 6122 - Research Methods II (3 Credit Hours)

PSYC 6921 - Research Methods Lab I (1 Credit Hour)

PSYC 6922 - Research Methods Laboratory II (1 Credit Hour)

Assessment Foundations: 8 Hours

PSYC 6126 - Cognitive Assessment (3 Credit Hours)

PSYC 6127 - Personality Assessment (3 Credit Hours)

PSYC 6926 - Cognitive Assessment Practicum (1 Credit Hour)

PSYC 6927 - Personality Assessment Practicum (1 Credit Hour)

Therapy Foundations: 17 Hours

PSYC 6143 - Behavior Pathology (3 Credit Hours)

PSYC 6145 - Therapeutic Interventions I (3 Credit Hours)

PSYC 6146 - Therapeutic Interventions II (3 Credit Hours)

PSYC 6147 - Seminar in Group Process (3 Credit Hours)

PSYC 6149 - Career Counseling (3 Credit Hours)

PSYC 6945 - Therapeutic Intervention Practicum I (1 Credit Hour)

PSYC 6946 - Therapeutic Intervention Practicum II (1 Credit Hour)

Social/Cultural/Systemic Basis of Behavior: 6 Hours

PSYC 6173 - Social Psychology and Human Diversity (3 Credit Hours)

PSYC 6175 - Diversity Issues in Counseling (3 Credit Hours)

Learned Bases of Behavior: 3 Hours

Choose from the following courses:

PSYC 6130 - Developmental Psychology (3 Credit Hours)

PSYC 6165 - Learning Principles and Applications (3 Credit Hours)

PSYC 6168 - Cognitive Psychology (3 Credit Hours)

Biological Bases of Behavior: 3 Hours

Choose one of the following courses:

PSYC 6181 - Behavioral Neuroscience (3 Credit Hours)

PSYC 6182 - Clinical and Addictive Psychopharmacology (3 Credit Hours)

Professional Foundations: 4 Hours

PSYC 6190 - Professional Foundations (1 Credit Hour)

PSYC 6191 - Ethical Issues in Counseling and Psychology (3 Credit Hours)

Free Electives: 3 Hours

Select one course from the list below:

PSYC 6115 - History and Systems of Psychology (3 Credit Hours)
PSYC 6130 - Developmental Psychology (3 Credit Hours)
PSYC 6165 - Learning Principles and Applications (3 Credit Hours)
PSYC 6168 - Cognitive Psychology (3 Credit Hours)
PSYC 6181 - Behavioral Neuroscience (3 Credit Hours)
PSYC 6182 - Clinical and Addictive Psychopharmacology (3 Credit Hours)
PSYC 6950 - Special Topics (1 to 3 Credit Hours)

Internship Requirements: 1-9 Hours

PSYC 6960 - Clinical Internship (1 to 9 Credit Hours)

Additional internship hours may be selected from:

PSYC 6940 - Industrial-Organization Internship (1 to 3 Credit Hours)
PSYC 6970 - Teaching Internship (1 to 9 Credit Hours)
PSYC 6980 - Research Internship (1 to 9 Credit Hours)

Thesis Track: 60 Hours

Research Foundations: 8 Hours

PSYC 6121 - Research Methods I (3 Credit Hours)
PSYC 6122 - Research Methods II (3 Credit Hours)
PSYC 6921 - Research Methods Lab I (1 Credit Hour)
PSYC 6922 - Research Methods Laboratory II (1 Credit Hour)

Assessment Foundations: 8 Hours

PSYC 6126 - Cognitive Assessment (3 Credit Hours)
PSYC 6127 - Personality Assessment (3 Credit Hours)
PSYC 6926 - Cognitive Assessment Practicum (1 Credit Hour)
PSYC 6927 - Personality Assessment Practicum (1 Credit Hour)

Therapy Foundations: 17 Hours

PSYC 6143 - Behavior Pathology (3 Credit Hours)
PSYC 6145 - Therapeutic Interventions I (3 Credit Hours)
PSYC 6146 - Therapeutic Interventions II (3 Credit Hours)
PSYC 6147 - Seminar in Group Process (3 Credit Hours)
PSYC 6149 - Career Counseling (3 Credit Hours)
PSYC 6945 - Therapeutic Intervention Practicum I (1 Credit Hour)
PSYC 6946 - Therapeutic Intervention Practicum II (1 Credit Hour)

Social/Cultural/Systemic Basis of Behavior: 6 Hours

PSYC 6173 - Social Psychology and Human Diversity (3 Credit Hours)
PSYC 6175 - Diversity Issues in Counseling (3 Credit Hours)

Learned Bases of Behavior: 3 Hours

Choose one of the following:

PSYC 6130 - Developmental Psychology (3 Credit Hours)
PSYC 6165 - Learning Principles and Applications (3 Credit Hours)
PSYC 6168 - Cognitive Psychology (3 Credit Hours)

Biological Bases of Behavior: 3 Hours

Choose one of the following courses:

PSYC 6181 - Behavioral Neuroscience (3 Credit Hours)
PSYC 6182 - Clinical and Addictive Psychopharmacology (3 Credit Hours)

Professional Foundations: 4 Hours

PSYC 6190 - Professional Foundations (1 Credit Hour)

PSYC 6191 - Ethical Issues in Counseling and Psychology (3 Credit Hours)

Internship Requirements: 1-9 Hours

PSYC 6960 - Clinical Internship (1 to 9 Credit Hours)

Additional internship hours may be selected from:

PSYC 6940 - Industrial-Organization Internship (1 to 3 Credit Hours)

PSYC 6970 - Teaching Internship (1 to 9 Credit Hours)

PSYC 6980 - Research Internship (1 to 9 Credit Hours)

Thesis Requirements: 1-3 Hours

PSYC 6990 - Thesis Research (1 to 3 Credit Hours)

Degree Total: 60 Hours

Master of Science with a Major in Psychology with a Concentration in General Experimental Program Overview

This track is a traditional doctoral preparatory track and requires an independent research thesis. Students gain intensive research experiences through a first-year research practicum and a second-year research internship. It is a 41-hour program completed over five semesters.

augusta.edu/pamplin/psychology/graduate

Program Contact

Dr. Sabina Widner

706-667-4613

swidner@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Program Information

Program Length: 2 Years

CIP Code: 42.0101

Program Code: 1MS-PSYCH

Degree Requirements**Research Foundations: 14 Hours**

PSYC 6121 - Research Methods I (3 Credit Hours)

PSYC 6122 - Research Methods II (3 Credit Hours)

PSYC 6921 - Research Methods Lab I (1 Credit Hour)

PSYC 6922 - Research Methods Laboratory II (1 Credit Hour)

PSYC 6930 - Research Practicum I (3 Credit Hours)

PSYC 6931 - Research Practicum II (3 Credit Hours)

Social/Cultural/Systemic Basis of Behavior: 3 Hours

PSYC 6173 - Social Psychology and Human Diversity (3 Credit Hours)

Learned Bases of Behavior: 3 Hours

Select one of the following courses:

PSYC 6130 - Developmental Psychology (3 Credit Hours)

PSYC 6165 - Learning Principles and Applications (3 Credit Hours)

PSYC 6168 - Cognitive Psychology (3 Credit Hours)

Biological Bases of Behavior: 3 Hours

Select one of the following courses:

PSYC 6181 - Behavioral Neuroscience (3 Credit Hours)

PSYC 6182 - Clinical and Addictive Psychopharmacology (3 Credit Hours)

Professional Foundations: 1 Hour

PSYC 6190 - Professional Foundations (1 Credit Hour)

Thesis: 9 Hours

PSYC 6990 - Thesis Research (1 to 3 Credit Hours)

Internship: 2 Hours

PSYC 6980 - Research Internship (1 to 9 Credit Hours)

Free Electives: 6 Hours

Select from the following:

PSYC 6115 - History and Systems of Psychology (3 Credit Hours)

PSYC 6126 - Cognitive Assessment (3 Credit Hours)

PSYC 6127 - Personality Assessment (3 Credit Hours)

PSYC 6130 - Developmental Psychology (3 Credit Hours)

PSYC 6143 - Behavior Pathology (3 Credit Hours)

PSYC 6147 - Seminar in Group Process (3 Credit Hours)

PSYC 6165 - Learning Principles and Applications (3 Credit Hours)

PSYC 6168 - Cognitive Psychology (3 Credit Hours)

PSYC 6181 - Behavioral Neuroscience (3 Credit Hours)

PSYC 6182 - Clinical and Addictive Psychopharmacology (3 Credit Hours)

PSYC 6191 - Ethical Issues in Counseling and Psychology (3 Credit Hours)

PSYC 6950 - Special Topics (1 to 3 Credit Hours)

Up to 3 hours of an approved non-psychology graduate course

Degree Total: 41 Hours

Master of Science in Clinical Dental Research

Master of Science in Clinical Dental Research

Program Overview

This 2-year program is designed to provide students with the skills and tools to design and analyze clinical dental research. Emphasis is placed on biostatistics, study design, various study types and their indications, ethics, epidemiology, clinical trials, and more. Investigation of clinical dental problems centers around previously published examples of various study designs. Presentations of research and scholarly

works are presented by guest lecturers from various institutions. Upon graduation, graduates will matriculate the clinical dental research as experts within clinical dental research processes.

augusta.edu/dentalmedicine

Program Contact

Dr. Todd Schoenbaum
706-721-7330

DCG_ADVANCEDEDUCATION@augusta.edu

Admissions Information

- Minimum of a DMD/DDS degree from a CODA accredited college or university. To be used to satisfy degree requirement, evaluation of foreign educational transcripts must show degree(s) earned that are the U.S. equivalency of degree(s) required by the program.
- Official transcripts are required from all universities and colleges ever attended. In the case of transcripts from international colleges/universities, an official course-by-course transcript evaluation will be accepted in lieu of an official transcript. Official electronic transcripts should be emailed from the issuing institution to Augusta University's Office of Graduate Admissions Operations at graduateadmissions@augusta.edu. Alternatively, Augusta University will accept official transcripts in the original, unopened, sealed and stamped/signed envelope mailed from the issuing institution directly to: Augusta University, Office of Graduate Admissions Operations, Summerville Campus, Benet House, 1120 15th Street, Augusta, GA 30912.
- Recommendations (which include a reference form and letter of recommendation) from three individuals are required. Referees should be individuals qualified to critically assess the applicant's prior academic (usually college professors), employment, research and/or clinical experience (clinical or research supervisor/manager) and qualifications (as applicable) as well as the applicant's potential as a graduate student in the field/program selected. Recommendations must be submitted online only. Within the application, provide the names and current email addresses for the individuals you have asked to serve as your recommenders. Once you have completed the recommendation section within the application, each recommender will receive an email notification directing them to the online site where they can complete their recommendation.
- Passing score on the Integrated National Dental Board Exam (INDBE) or GRE score of 290. Either score must be within the last 5 years. Official scores are required.
- English proficiency exam scores are required for applicants whose first language is not English and who do not qualify for an English proficiency exam waiver.

For information on admissions requirements, visit The Graduate School website.

Progression and Graduation Requirements

Students must:

- Maintain a GPA above a 3.0 or will be put on academic probation
- Cannot receive below a "C" in any course
- Complete CITI training for Group 1, Group 7, and Good Clinical Practices
- Establish an account on IRBNet.org
- Complete all coursework in a master's degree program within 3 years, calculated from the start of the first course that counts toward the degree.
 - Students who have not completed degree requirements at the end of 3 years may not be able to count courses older than 5 years toward their degree. Instead, they may be required to take additional program courses to complete the required number within 2 years.
 - If more than a year lapses between a student's courses, the student is considered to have withdrawn from the program. Such students must reapply, and they are subject to the admission and program requirements in force at the time of their new application. Acceptance is not guaranteed even for students previously admitted, and courses taken prior to the

interruption of studies might not count toward degree requirements depending on the admissions committee's decision.

Program Information

- Program Length: 2 Years
- CIP Code: 51.0599 - Advanced/Graduate Dentistry and Oral Sciences, Other.

Degree Requirements

BIOM 8011 - Responsible Conduct of Research (1 Credit Hour)
 BIOM 8130 - Scientific Grant Writing (1 Credit Hour)
 DRES 8111 - Clinical Dental Research Journal Club I (1 Credit Hour) *(taken for 5 credit hours)*
 DRES 8170 - Dental Clinician-Scientist Seminar Series I (1 Credit Hour) *(taken for 4 credit hours)*
 DRES 8210 - Research Project Development (1 Credit Hour)
 DRES 8300 - Mentored Thesis Research I (1 Credit Hour) *(taken for 4 credit hours)*
 STAT 7010 - Biostatistics I (3 Credit Hours)
 STAT 7020 - Biostatistics II (3 Credit Hours)
 STAT 7060 - Research Design and Statistics (1 Credit Hour)
 STAT 7130 - Introduction to Epidemiology (3 Credit Hours)
 STAT 7240 - Introduction to Clinical Trials (3 Credit Hours)
 STAT 7360 - Systematic Reviews (3 Credit Hours)

Degree Total: 32 Hours

Master of Science in Epidemiology

Master of Science in Epidemiology

Program Overview

The Master of Science (MS) in Epidemiology is a degree program for students who want to gain additional theoretical and applied knowledge, as well as the skills and credentials they need to advance in their career tracks. This program is designed to provide students with a solid foundation in epidemiology. Specifically, there is an emphasis on developing answerable clinical and research questions, generating testable hypotheses and applying sound study designs for research projects. This program is suitable for both recent college graduates and professionals working in academia or in a clinical setting, or at healthcare companies, health departments, federal agencies, hospitals, pharmaceutical companies, or in various other healthcare settings.

The MS in Epidemiology focuses on recruiting and training students who would like to increase their applied epidemiology knowledge, build research methodology and analytical skill sets, and earn an advanced degree, without disrupting their career. Therefore, the primary target population include physicians, healthcare administrators, project directors, and other healthcare professionals.

The program requires 36 total credit hours, including 5 research capstone course credit hours. The program should take four semesters to complete and is delivered in an online format.

Program Contact

Dr. Steven Coughlin
 706-721-3785
scoughlin@augusta.edu

Program Information

Program Length: 2 Years

CIP Code: 26.1309

Program Code: MSEPD_EPID

Degree Requirements**Major Courses: 24 Hours**

EPID 7040 - Epidemiology Capstone Project (2 to 5 Credit Hours)

EPID 7130 - Introduction to Epidemiology (3 Credit Hours)

EPID 7370 - Intermediate Epidemiology (3 Credit Hours)

EPID 7390 - Infectious Disease Epidemiology: Theory and Methods (3 Credit Hours)

MPHC 8011 - Ethical Conduct in Research (1 Credit Hour)

STAT 7010 - Biostatistics I (3 Credit Hours)

STAT 7020 - Biostatistics II (3 Credit Hours)

STAT 7260 - Design Analysis and Observational Studies (3 Credit Hours)

Elective Courses: 12 Hours*Select from the following:*

EPID 7380 - Chronic Disease Epidemiology (3 Credit Hours)

DATS 7510 - Programming for Data Analysis (3 Credit Hours)

MPHI 8001 - Public Health Informatics (3 Credit Hours)

PADM 6020 - Geographic Information Systems for Public Management (3 Credit Hours)

PADM 6650 - Public Policy Analysis (3 Credit Hours)

STAT 7350 - Epidemic Investigation (3 Credit Hours)

Degree Total: 36 Hours

Master of Science in Medical Illustration

Master of Science in Medical Illustration

Program Overview

Medical illustration is an interdisciplinary field—a creative combination of the visual arts, the health sciences, education, and communications. Historically, its roots were fully evident by the Renaissance, as seen in the work of research anatomists and educators such as Andreas Vesalius and in the artwork of the great figurative artists such as Leonardo DaVinci. Today, medical illustration involves the conceptualization, planning, design, production, implementation, and evaluation of visual solutions for complex communication and education problems in the life and health sciences. Medical illustration incorporates various media and techniques—from 2D artwork to 3D animation, from anatomical drawing to instructional games, and from molecular modeling to medical sculpture. Medical Illustrators are specially trained artist-scientists who produce visual solutions for complex communication or education issues in the health care industry. In short, medical illustrators visualize better health. Entry into this unique field requires a talent for the graphic arts and visual storytelling as well as an affinity for science.

The Medical Illustration graduate program is housed in the Department of Medical Illustration in the College of Allied Health Sciences.

augusta.edu/alliedhealth/medical-illustration

Program Accreditation

The program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP). It is one of only four such accredited graduate programs in the country.

Program Contact

LaDonna Butler
706-721-3266
medart@augusta.edu

Admissions Information

See the Office of Admissions website at augusta.edu/admissions for specific admissions information.

Progression and Graduation Requirements

- Students must earn a grade of C or higher in all courses taken to remain in the program.
- Students must complete 63 hours of curriculum coursework as well as pass the departmental comprehensive exam to graduate from the program.

Program Information

Program Length: 21 Months
CIP Code: 51.2703
Program Code: MSIL_MILL
Major Code: MILL

Degree Requirements

ANAT 8050 - Graduate Histology (5 Credit Hours)
MILL 6650 - Medical Illustration Techniques IA (3 Credit Hours)
MILL 6651 - Medical Illustration Techniques I B (3 Credit Hours)
MILL 6670 - Electronic Media I (3 Credit Hours)
MILL 6671 - Electronic Media II (3 Credit Hours)
MILL 6780 - Surgical Techniques (2 Credit Hours)
MILL 7010 - Human Gross Anatomy for Medical Illustration, Part I (4 Credit Hours)
MILL 7011 - Human Gross Anatomy for Medical Illustration, Part II (3 Credit Hours)
MILL 7040 - Neuroanatomy for Medical Illustration (4 Credit Hours)
MILL 7650 - Surgical Observation and Sketching I (3 Credit Hours)
MILL 7651 - Surgical Observation and Sketching II (1 Credit Hour)
MILL 7660 - Medical Illustration Techniques IIA (3 Credit Hours)
MILL 7661 - Medical Illustration Techniques IIB (3 Credit Hours)
MILL 7670 - Multimedia I (3 Credit Hours)
MILL 7671 - Multimedia II (3 Credit Hours)
MILL 8020 - Business and Resource Management I (2 Credit Hours)
MILL 8021 - Business and Resource Management II (3 Credit Hours)
MILL 9210 - Investigation of a Problem (1 to 4 Credit Hours)
MILL 9211 - Investigation of a Problem II (2 Credit Hours)
MILL 9250 - Master's Project (1 to 4 Credit Hours)
PATH 6010 - Pathology for Medical Illustrators I (3 Credit Hours)
PATH 6011 - Pathology for Medical Illustrators II (2 Credit Hours)

Degree Total: 63 Hours

Master of Science in Nursing

Master of Science in Nursing with a Major in Clinical Nurse Leader (Prelicensure)

Program Overview

The Clinical Nurse Leader program (CNL) prepares nurses to be clinical leaders with the skills to thrive in the current and future health care system while striving to improve client outcomes and reduce health care costs. The program is a second-degree, accelerated nursing program integrating didactic and clinical instruction for individuals with a baccalaureate or higher degree in a non-nursing field. Students are prepared for the registered nurse licensure examination and graduate with a Master of Science in Nursing degree. The CNL is a generalist (not an advanced-practice nurse) with nursing knowledge, comprehension of the infrastructure of the health care system, clinical decision-making skills, resource management strategies and the ability to manage complex information. The CNL program has partnered with several healthcare institutions to support the program's educational efforts and provide possible career opportunities following graduation. The program and partnerships will enhance the role development of the CNL through the engagement of highly skilled clinicians, outcomes-based practice and quality improvement strategies while providing high-quality patient care in the surrounding communities throughout Georgia.

augusta.edu/nursing/msn

Program Accreditation

The CNL program has been fully approved by the Georgia Board of Regents and the Georgia Board of Nursing and accredited by the Commission on Collegiate Nursing Education (CCNE).

Program Contact

Dr. Jennifer Broxton
Program Manager: Jean Marie Smith
706-721-9767
cnl@augusta.edu

Program Information

Program Length: 16 Months
CIP Code: 51.3801
Program Code: MSN_CNL

Degree Requirements

NURS 6100 - Pathophysiology (3 Credit Hours)
NURS 6200 - Advanced Pharmacology and Nutrition (4 Credit Hours)
NURS 6400 - Evidence-Based Practice in Nursing and Healthcare (3 Credit Hours)
NURS 6600 - Healthcare Delivery Models and Economic Policy (2 to 3 Credit Hours)
NURS 6700 - Nursing Therapeutics and Professional Nursing (6 Credit Hours)
NURS 7001 - Nursing Practice through Clinical Reasoning I (5 Credit Hours)
NURS 7100 - Integrated Healthcare: Population Health (3 Credit Hours)
NURS 7215 - Nursing Practice through Clinical Reasoning II (5 Credit Hours)
NURS 7300 - Integrated Healthcare Mental Health (3 Credit Hours)
NURS 7400 - Integrated Healthcare Women Children and Family Health (4 Credit Hours)
NURS 7500 - Leading Teams to Promote Quality and Safety (2 Credit Hours)
NURS 7600 - Nursing Management of Complex Health Alterations Across the Lifespan (4 Credit Hours)
NURS 7801 - Synthesis of Clinical Nurse Leader Role in Practice (9 Credit Hours)
NURS 7900 - Professionalism and Transition to Nursing Practice (3 Credit Hours)

STAT 6300 - Introduction to Epidemiology and Biostatistics (3 Credit Hours)

Degree Total: 60 Hours

Clinical Total: 1065 Hours

Master of Science in Oral Biology

Master of Science in Oral Biology

Program Overview

Our close-knit, interdisciplinary faculty allows research training that emphasizes an integrative approach and includes expertise in molecular, cellular, bioengineering, and in vivo research methodologies. The Master of Science (MS) in Oral Biology program was founded with the idea that its faculty would have dual degrees in clinical dentistry and basic science. Thus, many faculty hold dental and PhD degrees in basic biomedical science disciplines. Topics covered in the Oral Biology MS program include: wound healing and tissue regeneration; hard tissue biology; fluoride metabolism; muscle anatomy and physiology; taste; facial pain (including causes and management); management of complex dental patients; dental pharmacology; oral immunology; oral microbiology; molecular pathology; regulation of cell growth; and craniofacial development.

augusta.edu/programs/oral-biology-ms

Program Contact

Linah Shahoumi, BDS, MS, PhD
706-721-2991

Progression and Graduation Requirements

The MS in Oral Biology curriculum is comprised of 36 total credit hours, which can be accomplished in a minimum of five semesters or maximum of 15 semesters.

Program Information

Program Length: 2 Years
CIP Code: 51.0503
Program Code: MSOB_OBIO

Degree Requirements

OBMP 8001 - Topics in Oral Biology 1 (2 Credit Hours)
OBMP 8002 - Topics in Oral Biology 2 (2 Credit Hours)
OBMP 8003 - Topics in Oral Biology 3 (2 Credit Hours)
OBMP 8004 - Topics in Oral Biology 4 (2 Credit Hours)
OBMP 8640 - Research Proposal Development (2 Credit Hours)
OBMP 9010 - Graduate Oral Biology Seminar (1 Credit Hour) (*Must be taken every spring until degree completion*)
OBMP 9100 - Journal Club in Oral Biology (1 Credit Hour) (*Must be taken every fall until degree completion*)
OBMP 9210 - Investigation of a Problem (1 to 12 Credit Hours)
OBMP 9300 - Research (1 to 16 Credit Hours)

Degree Total: 36 Hours Minimum

Dual Degrees

A dual degree program gives you the distinction of graduating with two degrees—usually in less time than it would take to earn each one individually.

Doctor of Dental Medicine and Master of Business Administration

Program Overview

The concurrent DMD-MBA Degree Program allows students to be dually enrolled in both DMD and MBA courses simultaneously. Developed through a partnership between the Dental College of Georgia and The Hull College of Business, our mission is to foster future leaders in dentistry who are skilled in the practices of dentistry and business management. Students must complete at least two semesters of the DMD program before enrolling into concurrent MBA coursework.

augusta.edu/dentalmedicine/academics

augusta.edu/hull/mba

Program Contact

Dr. Kim Capehart
kcapehart@augusta.edu

Matt Brocato
Coordinator of Business Programs
704-667-4542
HULLMBA@augusta.edu

Dr. Patricia Cameron
pcameron@augusta.edu

Progression and Graduation Requirements

The MBA degree is awarded upon completion of both Degree Requirements. The DMD may be awarded on completion so as not to delay licensure.

Degree Requirements

See the individual listings for the Master of Business Administration and the Doctor of Dental Medicine.

Doctor of Medicine and Doctor of Philosophy

Program Overview

The University System of Georgia MD/PhD Program trains students in the research and clinical skills that will enable graduates to translate research findings into clinical outcomes. The synergy created between the outstanding clinical environment of the Medical College of Georgia at Augusta University and an uncommon breadth and depth of nationally ranked PhD programs is what makes this a truly unique educational experience.

This seven- to eight-year program prepares a diverse group of students who have a passion for medical research and a dedication to serving others for rewarding careers in biomedical research or in academic medicine.

Our highly personalized program was founded in 1995 and our graduates have become faculty members and are pursuing academic careers at The Mayo Clinic, Emory University, Yale University and the National Institutes of Health. Others are completing residencies or fellowships at the Cleveland Clinic, Yale University, Stanford University, Emory Healthcare, Johns Hopkins Hospital, Augusta University Health and other prestigious institutions.

Unlike many MD/PhD programs, which adhere to a fixed entry schedule, our curriculum offers greater flexibility, allowing students to enter at various stages of their medical education.

Located in a region famous for its hospitality, you will enjoy a warm and welcoming atmosphere which fosters interaction among physicians, professors, researchers and students.

augusta.edu/mcg/mdphd

Program Contact

David Stepp, PhD
Aleesha Waller, MEd
706-667-4072
mdphd@augusta.edu

Doctor of Medicine and Master of Business Administration

Program Overview

The MD/MBA Dual Degree Program provides medical students with advanced business education and prepares them to assume responsible management and professional positions in private practice, corporate healthcare industry such as hospital management (i.e., Chief Medical Officer), HMOs, or academic medicine. Students enter residency with enhanced competencies, improved professional networks, and increased employment opportunities.

augusta.edu/mcg
augusta.edu/hull/mba

Program Contacts

Christopher Fly, MD
cfly@augusta.edu

Matt Brocato
706-667-4542
HULLMBA@augusta.edu

Patricia L. Cameron, PhD
pcameron@augusta.edu

Admissions Information

To apply and continue in the MD/MBA Dual Degree Program, MD students must be in good academic standing per MCG MD standards. MD students must then apply and be accepted by the MBA program which includes the submission and approval of a program of study.

Prior to applying to the MD/MBA Dual Degree Program, students must have submitted a letter of intent by April 15th of their first year in the MD program. Students must apply to the MD/MBA Dual Degree Program MCG by April 30th of their second year in the MD program with the understanding that

acceptance and enrollment in the MBA program is contingent upon approval of The Medical College of Georgia, The Hull College of Business, and The Graduate School.

Progression and Graduation Requirements

The MD-MBA Dual Degree Program includes both a period of time in which students enroll in the MD program only and then enroll in courses in the MD and MBA programs concurrently. Students accepted into the Dual Degree program will start their MBA program toward the end of their first two years of the MD program. In the standard plan of study/schema, the MBA program courses will be spread over two years. The expectation is that the MD-MBA Dual Degree Program will be completed within four years from the start of the MD program.

Students must complete all Degree Requirements of each program before Augusta University can confer separately these two degrees upon the students.

Degree Requirements

A standard plan of study/schema has been developed for the MD-MBA Dual Degree Program. The MBA program is delivered 90% in person/on campus and 10% online/asynchronous (one course). As part of the application process, students will review the plan of study/schema with the MD program to carefully select clerkships and electives to best accommodate the MBA courses. The plan of study/schema will be reviewed and approved by the MBA program representative, MD program representative, and The Graduate School. Students must complete all Degree Requirements for both the MD and MBA programs.

See the individual listings for the Doctor of Medicine (Athens Campus), Doctor of Medicine (Main Campus), and Master of Business Administration (MBA).

Doctor of Medicine and Master of Public Health Program Overview

The MD/MPH Dual Degree Program provides medical students with advanced education in public health and preventative medicine and prepare them to assume responsible management and professional positions in public health units or in academic medicine. These additional skills benefit the people of Georgia and elsewhere by staffing the physician workforce with well-trained providers who bring additional valuable skills to their practices. Students enter residency with enhanced competencies, improved professional networks, and increased employment opportunities.

augusta.edu/mcg

Program Contact

Christopher Fly, MD
cfly@augusta.edu

Jie Chen, PhD
jiechen@augusta.edu

Patricia L. Cameron, PhD
pcameron@augusta.edu

Program Accreditation

LCME for the Medical College of Georgia's Dual Degree Programs

Admissions Information

Students applying to the MD/MPH Dual Degree Program must be currently enrolled MD students in good standing (academically and professionally) with the Medical College of Georgia as determined by the

MCG Deanery. Students must submit all required application materials and documentation including the approved application, a copy of their JagTrax, and a signed program of study/schema. Admission requirements for the MPH are posted online and include a minimum overall GPA of 2.8 at the Baccalaureate level, a bachelor's degree, and official transcripts. Requirements for letters of recommendation, English proficiency exam scores, and interviews are waived for medical students.

Detailed information on admissions requirements, can be found on The Graduate School's website at augusta.edu/gradschool.

Progression and Graduation Requirements

Currently enrolled (Augusta University) MD students must apply to and be accepted into the MPH program. MD students must submit their letter of intent by March 30 of their first year in the MD program, and must submit a dual degree application by March 30 of their second year in the MD program with the understanding that acceptance and enrollment in the MPH program are contingent upon approval of The Medical College of Georgia, The School of Public Health, and The Graduate School.

Both MD and MPH degrees are awarded at the same time if both degree requirements are completed. The MPH degree will not be awarded prior to completion of the MD degree. If the requirements for the MD degree are completed before the MPH, then the MD is conferred, and the MPH degree will be conferred when those requirements are completed.

Program Information

CIP Code: 51.1201

Degree Requirements

See the individual listings for the Master of Public Health concentrations and for the Doctor of Medicine degree program.

Doctor of Philosophy and Master of Business Administration

Program Overview

This is a dual degree program permitting biomedical science PhD students to enroll in and obtain their PhD and MBA degrees concurrently. The PhD-MBA program is designed to provide biomedical science PhD students with advanced business education and prepare them to assume responsible management and professional positions in private and public organizations. Business administration and its areas of specialization are of particular benefit to biomedical research students with an interest in pursuing a position in industry, pharmaceutical companies, administration and as a principal investigator of their own laboratory. Students will enter the workforce with enhanced competencies, improved professional networks and increased employment opportunities.

augusta.edu/gradschool
augusta.edu/hull/mba

Program Contacts

Patricia L. Cameron, PhD
 706-721-3278
biomed@augusta.edu

Matt Brocato
 706-667-4542
HullMBA@augusta.edu

Progression and Graduation Requirements

Currently enrolled (Augusta University) biomedical science PhD students must apply to and be accepted into the MBA program. Students enrolled in the Biomedical Science PhD program are eligible for the PhD/MBA dual degree program enrollment once they have entered candidacy for the PhD program but no later than the 10th semester of enrollment in the PhD program (Fall of 4th year in PhD program). Students must fulfill all degree requirements for both programs. As part of the dual degree program, students are able to enroll in PhD and MBA courses concurrently. During the application process, a plan of study is developed, and every effort is made to ensure that MBA coursework is completed within two years (six semesters) after the student achieves PhD candidacy. Continuance in the MBA program is contingent upon making satisfactory and timely progress towards both the MBA and PhD degree.

The PhD program is not a lockstep program but requires a minimum of three years and maximum of seven years of study. On average, students complete the PhD program in five years. For most students, the MBA program requirements will be spread over a minimum of two years (six semesters). Since students start their MBA program after they have entered PhD candidacy (typically at the end of year three), it is anticipated the combined PhD-MBA program will take a minimum of five years from start of PhD program. The maximum time for completion of the dual degree program is seven years.

Students must apply to graduate for both degrees at the same time, if the MBA degree is completed before or at the same time as the PhD degree. In this case, students will receive a PhD and an MBA degree simultaneously. Students may apply to graduate from the PhD degree first, if the PhD degree is completed before the MBA degree and the MBA degree would not be granted at the same time as the PhD degree.

Degree Requirements

See the individual listings for the Master of Business Administration (MBA) and the Doctor of Philosophy degree programs with a major in one of the following:

- Doctor of Philosophy in Biochemistry and Cancer Biology
- Doctor of Philosophy in Cellular Biology and Anatomy
- Doctor of Philosophy in Genomic Medicine
- Doctor of Philosophy in Molecular Medicine
- Doctor of Philosophy in Neuroscience
- Doctor of Philosophy in Oral Biology and Maxillofacial Pathology
- Doctor of Philosophy in Pharmacology
- Doctor of Philosophy in Physiology
- Doctor of Philosophy in Vascular Biology

Master of Science to Doctor of Medicine

Program Overview

The MD-Biomedical Sciences MS dual-degree program is designed to provide Augusta University Medical students with the opportunity to enhance their medical training with biomedical science research training. Eight biomedical science majors with multiple electives are available depending on the research interest of the student. Students are expected to identify a MS research faculty mentor prior to being accepted into the MS program.

For more information on the program and the admission process contact: Renee Page, MD, Associate Dean of Curriculum MCG, Patricia L. Cameron, PhD, Vice Dean of The Graduate School.

Graduate Certificates

Certificate: Post-Baccalaureate

Post-Baccalaureate Certificate in Computer Science Endorsement

Program Overview

The Computer Science Endorsement Certificate is a nine-hour graduate program leading to a P-12 Computer Science Endorsement by the Georgia Professional Standards Commission. This program empowers P-12 teachers to plan, implement, and assess authentic computer science and instructional technologies across disciplines to promote technological literacy for all students. This is an embedded or standalone certificate.

Program Contact

Dr. Rory Tannenbaum

706-737-1496

teachlead@augusta.edu

Progression and Graduation Requirements

- A grade of C or higher in each class is required to be recommended for adding the endorsement
- Courses must be taken in sequence: EDTD 6500, EDTD 6501, and EDTD 6502
- Courses may not be taken concurrently

Program Information

Program Length: 1 Year

CIP Code: 13.1321

Program Code: 1CERG-CMSC

Certificate Requirements

Required Courses: 9 Hours

EDTD 6500 - Exploring P-12 Computer Science Standards and Curriculum (3 Credit Hours)

EDTD 6501 - P-12 Computer Science Education and Pedagogy I (3 Credit Hours)

EDTD 6502 - P-12 Computer Science Education and Pedagogy II (3 Credit Hours)

Certificate Total: 9 Hours

Post-Baccalaureate Certificate in English to Speakers of Other Languages (ESOL) Endorsement

Program Overview

The ESOL Endorsement is a series of three courses for certified teachers who want to add expertise in the area of English as a second language instruction. Field experiences are required in two of the three courses (EDTD 6276 and EDTD 6277). This is an embedded or standalone endorsement.

augusta.edu/education/endorsements.php

Program Contact

Dr. Rory Tannebaum
706-667-1496
teachlead@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- Must earn a C or better in all courses
- Courses may be taken in any order

Program Information

Program Length: 1 Year
CIP Code: 16.9999
Program Code: 1CERG-ESOE

Certificate Requirements

Required Courses: 9 Hours

EDTD 6276 - ESOL Methods, Materials, and Assessment in Content Classrooms (3 Credit Hours)
EDTD 6277 - Understanding Cultural Issues and Ethics in ESOL Education (3 Credit Hours)
ENGL 6620 - English Linguistics (3 Credit Hours)

Certificate Total: 9 Hours

Post-Baccalaureate Certificate in Epidemiological Intelligence

Program Overview

This Certificate in Epidemiological Intelligence is an interdisciplinary collaboration that cohesively integrates current courses offered by the MAISS program and the Master of Science in Epidemiology. Five total courses, 15 credits (three credits for each course) are required in both intelligence and security studies and epidemiology. The purpose of this graduate certificate is to help train and educate federal, state, local, and international organizations' employees within the discipline of public health intelligence. It capitalizes on synergistic opportunities needed for optimal public health preparedness and response to current and future threats.

Program Contact

Dr. Craig Albert
706-737-1710
maiss@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Program Information

Certificate Length: 2 Years
CIP Code: 290202
Certificate Code: 1CERG-EINT

Certificate Requirements

Required Courses: 15 Hours

SECR 6411 - Introduction to Intelligence Studies (3 Credit Hours)
SECR 6412 - Intelligence Collection (3 Credit Hours)
or SECR 6415 - Intelligence Analysis (3 Credit Hours)
SECR 6414 - Public Health and Medical Intelligence: Security and Civilian Principles and Applications (3 Credit Hours)
EPID 7130 - Introduction to Epidemiology (3 Credit Hours)
EPID 7390 - Infectious Disease Epidemiology: Theory and Methods (3 Credit Hours)

Certificate Total: 15 Hours

Post-Baccalaureate Certificate in Gifted Education Endorsement

Program Overview

The Gifted Endorsement may be added to a valid teaching certificate in Georgia and consists of nine semester hours of graduate work at Augusta University. Field experiences are required in each course. The Gifted Education Endorsement is 100% online. This is an embedded or standalone certificate.

augusta.edu/education/endorsements

Program Contact

Dr. Amy Williamson
706-737-1497
ASI_COE@augusta.edu

Admissions Information

For more information, please visit the Office of Admissions website.

Progression and Graduation Requirements

- Candidate must hold an initial certification
- Courses for the endorsement must be taken in succession
- Courses may not be taken concurrently

Program Information

Program Length: 1 Year
CIP Code: 13.1004

Program Code: 1CERG-GEDE

Certificate Requirements

Required Courses: 9 Hours

The following courses must be taken in succession:

EDUC 6271 - Introduction to Gifted Education (3 Credit Hours)

EDUC 6272 - Assessment of Gifted Learners (3 Credit Hours)

EDUC 6273 - Curriculum and Program Design for Gifted Learners (3 Credit Hours)

Certificate Total: 9 Hours

Post-Baccalaureate Certificate in Healthcare Information Security

Program Overview

The graduate Healthcare Information Security Certificate is a credential for health and IT professionals interested in the intersection of health information and cyber security.

Students take three courses that cover the essentials of health information security. The certificate can be completed in either two or three semesters and can be either taken as a stand-alone or as part of a larger graduate program (e.g. information security management, public administration, business administration, public health). This is an embedded or standalone certificate.

augusta.edu/ccs/his-certificate

Program Contact

Dr. Mark Harris

706-721-1100

ccs@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- A grade of B or better is required in all courses.

Program Information

Program Length: 1 Year

CIP Code: 51.0723

Program Code: 1CERG-HCIS

Major Code: HCIS

Certificate Requirements

Required Courses: 9 hours

AIST 6510 - Information Systems Security I (3 Credit Hours)

AIST 6515 - Information Systems Security II (3 Credit Hours)

AIST 6725 - Cyber Security in Health Care Settings (3 Credit Hours)

Certificate Total: 9 Hours

Post-Baccalaureate Certificate in Intelligence Studies

Program Overview

The Master of Arts in Intelligence and Security Studies (MAISS) prepares students and industry leaders to address intelligence and security challenges in an interconnected world. The graduate certificate in intelligence studies focuses on utilizing open-source tools of intelligence collection; illustrating the processes, roles, and functions of the five disciplines of intelligence collection; examining the roles of intelligence collection in order to achieve US national security objectives; demonstrating the evolution of US intelligence collection from inception to the cyber domain, and the program seeks to teach the motivations of actors in cyberspace. The certificate is being created for potential students that already have a master's degree and/or are already in the field, do not want to pursue a graduate degree, but are interested in furthering their education concerning intelligence collection. Rather than getting a degree for the concentration, especially for those already in the industry, this certificate will help them enroll in MAISS courses and to enhance their career and expertise in this area by completing a graduate certificate in the four courses. This is an embedded and standalone certificate.

Program Contact

Dr. Craig Albert
706-737-1710
socsci@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

For students to obtain the certificate, they must maintain a 2.8 GPA in the four courses. There are no other requirements. Course substitutions are allowed as long as they are approved by the program director and are within the area of the certificate.

Program Information

Program Length: 1 Year
CIP Code: 450999
Program Code: 1CERG-INSU

Certificate Requirements

Required Courses: 12 Hours

SECR 6411 - Introduction to Intelligence Studies (3 Credit Hours)
SECR 6412 - Intelligence Collection (3 Credit Hours)
SECR 6413 - Open-Source Intelligence (3 Credit Hours)
SECR 6980 - Introduction to Cyber Intelligence and Cybersecurity Policy (3 Credit Hours)

Certificate Total: 12 Hours

Post-Baccalaureate Certificate in Nonprofit Leadership

Program Overview

Nonprofit organizations are essential to the health of our communities. They help shape public policy, contribute to the economy, deliver goods and services, and contribute to free and open society through citizen mobilization and participation. The Nonprofit Leadership Certificate provides students with the skills specific to the nonprofit sector. It is designed to allow students to develop the necessary knowledge to manage and lead sustainable nonprofit organizations. The certificate is directed at individuals in the nonprofit field who already have a bachelor's degree and are seeking to further their knowledge and abilities. The certificate is a partnership between Augusta University's Master of Public Administration and Master of Business Administration programs. Currently, the certificate is reserved for students earning a degree in either one of these programs. This is an embedded certificate.

augusta.edu/pamplin/social-sciences/certificates

Program Contact

Wesley Meares, PhD, MPA Director
706-737-1710
socsci@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Program Information

Program Length: 1 Year
CIP Code: 52.0206
Program Code: 1CERG-NPLS

Certificate Requirements

Required Courses: 6 Hours

PADM 6301 - Financial Management for Nonprofit Organizations (3 Credit Hours)
PADM 6302 - Nonprofit Management (3 Credit Hours)

Electives: 6 Hours

Choose two of the following courses:

PADM 6020 - Geographic Information Systems for Public Management (3 Credit Hours)
PADM 6030 - Grant Writing and Administration (3 Credit Hours)
PADM 6250 - Introduction to Urban Planning (3 Credit Hours)
PADM 6400 - Community Development (3 Credit Hours)
PADM 6700 - Urban Government Administration (3 Credit Hours)
MGMT 6510 - Managerial Leadership: Professional and Personal Development (3 Credit Hours)
MKTG 6700 - Marketing Management (3 Credit Hours)

Certificate Total: 12 Hours

Post-Baccalaureate Certificate in PBIS Endorsement

Program Overview

The PBIS Endorsement is a series of three courses for certified teachers who want to add expertise in Positive Behavioral Interventions and Supports (PBIS). In contrast to the traditional approach, PBIS shifts

the focus to appropriate behaviors. Field Experiences are required. All courses must be taken in sequence.

augusta.edu/education/endorsements

Program Contact

Dr. Karen Collier

706-737-1496

karcollier@augusta.edu

Progression and Graduation Requirements

- A grade of C or better in all classes
- Courses for the endorsement must be taken in succession

Program Information

Program Length: 1 Year

CIP Code: 13.0101

Program Code: 1CERG-PBIS

Certificate Requirements

Required Courses: 9 Hours

EDTD 6610 - Foundations of Effective PBIS (3 Credit Hours)

EDTD 6620 - Improving PBIS in the Classroom (3 Credit Hours)

EDTD 6630 - PBIS Multi-Tiered Systems and Clinical Practice (3 Credit Hours)

Certificate Total: 9 Hours

Post-Baccalaureate Certificate in Public Health

Program Overview

This graduate certificate in Public Health from Augusta University Online provides quality training on the core tenets of public health. This 15-credit hour online program is taught by the faculty in our Master of Public Health program, ensuring non-MPH public health professionals can gain post-baccalaureate training in public health. This is a standalone certificate.

Program Contact

Dr. Sarah Wackerbarth, MPH Program Director

gradstudies@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Program Information

Program Length: 1 Year

CIP Code: 51.2201

Program Code: CERG_PHLT

Major Code: PHLT

Certificate Requirements

EPID 7130 - Introduction to Epidemiology (3 Credit Hours)

MPHC 7101 - Health Management and Policy (3 Credit Hours)
 MPHC 8600 - Fundamentals of Health Promotion (3 Credit Hours)
 MPHC 8700 - Introduction to Environmental Health (3 Credit Hours)
 STAT 7010 - Biostatistics I (3 Credit Hours)

Certificate Total: 15 Hours

Post-Baccalaureate Certificate in Reading Endorsement

Program Overview

The Reading Endorsement is a series of three courses for certified teachers who want to add expertise in reading instruction. Field experiences are required in two of the three courses ([EDTD 6120](#) and [EDTD 6222](#)). This is an embedded or standalone certificate.

augusta.edu/education/endorsements

Program Contact

Dr. Rory Tannenbaum
 706-737-1496
teachlead@augusta.edu

Progression and Graduation Requirements

- Student must hold initial certification in a teaching field
- Must make a C or better in all coursework
- Courses must be taken in the following order: EDTD 6120, EDTD 6222, and EDTD 6223
- Courses may not be taken concurrently

Program Information

Program Length: 1 Year
 CIP Code: 13.1315
 Program Code: 1CERG-REND

Certificate Requirements

Required Courses: 9 Hours

EDTD 6120 - Basic Instruction in Literacy (3 Credit Hours)
 EDTD 6222 - Current Best Practices in Literacy (3 Credit Hours)
 EDTD 6223 - Applications of Effective Reading Strategies (3 Credit Hours)

Certificate Total: 9 Hours

Post-Baccalaureate Certificate in Social Influence

Program Overview

The (MAISS) prepares students and industry leaders to address intelligence and security challenges in an interconnected world.

The program seeks to expose military members, future decision makers and analysts, and students considering a PhD, to the security challenges inherent in a rapidly changing world. Our program has a special emphasis on the causes and effects of interstate and intrastate conflict, the sources of terrorism,

terrorism and counterterrorism strategies, and security issues that affect national, regional, and global security.

The coursework is focused on inter- and intrastate conflict; terrorism and counterterrorism; organization, capabilities and roles of the U.S. Intelligence Community; and national, regional, and global strategic security and cybersecurity threats.

The Graduate Certificate in Social Influence focuses on four main areas of emphasis: cross-cultural in/out-group psychology; open-source intelligence collection with a special emphasis on social media intelligence collection (SOCMINT); information warfare through the lens of the strategies and doctrine of adversaries; and the history and theory of propaganda, with particular emphasis on social media propaganda.

The certificate earner will have a well-rounded and innovative education with a nationally distinguished concentration in social influence.

The certificate is designed for students who already have a Master's degree and/or are already in the field, do not want to pursue a graduate degree, but are interested in the social influence concentration. Rather than getting a degree for the concentration, especially for those already in the industry, this certificate helps students enroll in MAISS courses and to enhance their career and expertise in this area by completing a graduate certificate in the four courses. This is an embedded and standalone certificate.

augusta.edu/pamplin/social-sciences/certificates

Program Contact

Dr. Craig Albert
706-737-1710
socsci@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

For students to obtain the certificate, they must maintain a 2.8 GPA in the four courses.

Program Information

Program Length: 1 Year
CIP Code: 450999
Program Code: 1CERG-SOIN

Certificate Requirements

Required Courses

SECR 6168 - Cross-Cultural Security and Psychology (3 Credit Hours)
SECR 6413 - Open-Source Intelligence (3 Credit Hours)
SECR 6920 - Weaponizing Information: The History and Theory of Propaganda (3 Credit Hours)
SECR 6982 - Information Warfare (3 Credit Hours)

Certificate Total: 12 Hours

Post-Baccalaureate Certificate in Sports Coaching

Program Overview

The Sports Coaching Certificate is designed to meet the needs of current and prospective coaches at all levels of coaching, with a particular emphasis on youth, interscholastic, and intercollegiate settings. This program is designed to improve the overall athlete experience by educating coaches on the theory and practical real-world applications of professional ethics and best practices, sports performance and injuries, and the psychology of coaching. This is a standalone certificate.

augusta.edu/education/kinesiology/sports-coaching-cert

Program Contact

Dr. Daniel Greene

706-737-1468

dagreene@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

A grade of C or better is required in all required courses.

Program Information

Program Length: 1 Year

CIP Code: 13.1314

Program Code: 1CERG-SPCO

Certificate Requirements

Required Courses: 9 Hours

KNHS 6352 - Athletic Injuries, Care, and Prevention (3 Credit Hours)

KNHS 6353 - Taking the Athlete to the Next Level (3 Credit Hours)

KNHS 6354 - Foundations and Ethics of Sports Coaching (3 Credit Hours)

Certificate Total: 9 Hours

Post-Baccalaureate Certificate in STEM Education

Endorsement

Program Overview

The STEM Endorsement is a series of three all online courses for certified P-12 teachers who want to add expertise in teaching across all disciplines. This program empowers teachers to teach in a manner that promotes equitable learning for all students using interdisciplinary approaches. Field experiences are required. This is an embedded or standalone certificate.

augusta.edu/education/endorsements

Program Contact

Dr. Karen Collier

706-737-1496

karcollier@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- Candidates must earn a grade of C or better in all courses
- All courses must be taken in sequence

Program Information

Program Length: 1 Year

CIP Code: 13.1399

Program Code: 1CERG-STEM

Certificate Requirements

Required Courses:

EDTD 6033 - Integrative STEM/STEAM Education: A Pedagogical Approach (3 Credit Hours)

EDTD 6044 - Integrative STEM/STEAM Education: Driving Forces (3 Credit Hours)

EDTD 6055 - Integrative STEM/STEAM Education: Clinical Experience (3 Credit Hours)

Certificate Total: 9 Hours

Post-Baccalaureate Certificate in Teaching English to Speakers of Other Languages (TESOL)

Program Overview

This program provides a graduate-level credential in linguistics and applied language pedagogy. Students in the program complete content and pedagogy courses in Teaching English to Speakers of Other Languages (TESOL).

augusta.edu/pamplin/english-world-languages/certificates

Program Contact

Dr. Jun Zhao

706-737-1500

ewl@augusta.edu

Progression and Graduation Requirements

Students must hold a bachelor's degree and must be admitted at the graduate level.

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Program Information

Program Length: 1 Year

CIP Code: 16.0105

Program Code: 1CERG-TESL

Certificate Requirements

Required Courses: 9 Hours

ENGL 6620 - English Linguistics (3 Credit Hours)

ENGL 6625 - Contemporary English Grammar and Usage (3 Credit Hours)

ENGL 6801 - Methods and Materials for Teaching English to Speakers of Other Languages (3 Credit Hours)

Electives: 6 Hours

Choose two from the following list of courses:

EDTD 6277 - Understanding Cultural Issues and Ethics in ESOL Education (3 Credit Hours)

EDTD 6276 - ESOL Methods, Materials, and Assessment in Content Classrooms (3 Credit Hours)

ENGL 6500 - Second-Language Acquisition Theories (3 Credit Hours)

ENGL 6610 - English Language: History and Structure (3 Credit Hours)

Certificate Total: 15 Hours

Post-Baccalaureate Certificate in Urban Education Endorsement

Program Overview

The Urban Education Endorsement is a three-course sequence that will equip certified teachers with knowledge and skills to successfully support students in settings with significant racial, socioeconomic, and cultural diversity. Within the increasingly globalized political contexts of cities, schools face challenges such as budgeting and staffing while needing to stay relevant and impactful for the students and their families and communities. Educators who receive this endorsement will acquire curricular, pedagogical, and policy knowledge useful to address these issues.

augusta.edu/education/endorsements

Program Contact

Dr. Kelly Allen

(706) 667-4786

kallen8@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- Students must be enrolled in a graduate program in the College of Education and Human Development or be enrolled as a post-baccalaureate student
- Students must earn at least a grade of C in all three courses
- The three courses that make up the Urban Education Endorsement can be taken in any order

Program Information

Program Length: 1 Year

CIP Code: 13.0410

Program Code: 1CERG-URED

Certificate Requirements

Required Courses: 9 Hours

EDUC 7010 - Critical Issues in Urban Education Policy and Practice (3 Credit Hours)

EDUC 7011 - Youth Identities in Urban School Contexts (3 Credit Hours)

EDUC 7012 - Critical Praxis in Urban Educational Contexts (3 Credit Hours)

Certificate Total: 9 Hours

Post-Baccalaureate Certificate in Urban Planning and Community Development

Program Overview

Public planning and community development are growing fields in the public sector. The Certificate in Urban Planning and Community Development prepares students for careers in public planning and development with state, regional, and local governments. The certificate is directed at individuals working in public administration who already have a bachelor's degree and are seeking to further their knowledge and abilities. By completing the certificate, students learn the following: theories and practice of urban planning; land-use planning; zoning; economic development planning; geographic information systems; and grant writing. This is a standalone certificate.

augusta.edu/pamplin/social-sciences

Program Contact

Dr. William Hatcher

706-737-1710

socsci@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Program Information

Program Length: 1 Year

CIP Code: 04.0301

Program Code: 1CERG-UPCD

Certificate Requirements

Required Courses: 12 Hours

PADM 6020 - Geographic Information Systems for Public Management (3 Credit Hours)

PADM 6250 - Introduction to Urban Planning (3 Credit Hours)

PADM 6400 - Community Development (3 Credit Hours)

PADM 6700 - Urban Government Administration (3 Credit Hours)

Electives: 6 Hours

Select two of the following courses:

PADM 6030 - Grant Writing and Administration (3 Credit Hours)

PADM 6050 - Constitutional and Administrative Law (3 Credit Hours)

PADM 6150 - Leadership and Ethics (3 Credit Hours)

PADM 6350 - Emergency Management (3 Credit Hours)

PADM 6550 - Human Services Administration (3 Credit Hours)

Certificate Total: 18 Hours

Certificate: Post-Master's

Post-Master's Certificate in Adult Gerontology Acute Care Nurse Practitioner

Program Overview

The certificate program is designed for nurses who currently hold a nurse practitioner (NP) certification and would like to expand their scope of practice to provide care to the age spectrum of adults-older adults, who have acute and/or complex care needs. Upon completion, the students are eligible to take the Adult Geriatric Acute Care Nurse Practitioner (AGACNP) certification exam offered by the American Nurses Credentialing Center or the American Association of Critical Care Nurses. This is an embedded or standalone certificate.

augusta.edu/gradschool/nurse-cert

Program Accreditation

This program is fully accredited by the Commission on Collegiate Nursing Education. Graduates are prepared to meet the eligibility requirements for the certification exam offered by the American Association of Critical Care Nurses and American Nurses Credentialing Center.

Program Contact

Debbie Weaver
706-446-3129
DNP@augusta.edu

Program Information

Program Length: 1 Year
CIP Code: 51.3814
Program Code: CERM_ACNP

Prerequisites

The following courses are required to be completed prior to the start of the certification program:

- NURS 7425 - Advanced Pathophysiology (4 Credit Hours)
- NURS 7430 - Pharmacology for Advanced Practice Nurses (3 Credit Hours)
- NURS 7450 - Advanced Practice Nursing Roles in Society (3 Credit Hours)
- NURS 7470 - Advanced Health Assessment (3 Credit Hours)
- NURS 9193 - Advanced Practice Nursing Practicum for Post Graduate Certificate (3 Credit Hours)

Certificate Requirements: 20 Hours

- NURS 8331 - Adult Gerontology ACNPI: Health Promotion and Management of Chronic Disease in the Adult and Older Adult (3 Credit Hours)
- NURS 8333 - Adult Gerontology ACNP Practice I: for Post Graduate Certificate (3 Credit Hours)
- NURS 8334 - Adult Gerontology ACNP II: Evidence-Based Management for Urgent and Emergent Health Problems In Adult (3 Credit Hours)
- NURS 8337 - Adult Gerontology ACNP III: Advanced Concepts in Complex Illness (3 Credit Hours)
- NURS 8370 - Adult Gerontology Acute Care ACNP Practice II: for Post Graduate Certificate (4 Credit Hours)

NURS 8371 - Adult Gerontology Acute Care Practice III: for Post Graduate Certificate (4 Credit Hours)

Certificate Total: 20 Hours

Post-Master's Certificate in Clinical and Translational Science

Program Overview

A specially designed knowledge and skills building program has been created to provide advanced training in Clinical and Translational Science (CTS) at Augusta University. The primary objective of this program is to enable health professionals to perform clinical and translational research (CTR). It is intended to provide trainees with essential skills in CTR, including hypothesis generation, research design, data analysis, interpretation and dissemination of results, critical appraisal of scientific literature, grant preparation, human research protection, and research ethics.

Degree Requirements include:

- Core coursework in epidemiology, clinical trials, statistics, and grant writing in clinical and translational science.
- A capstone project to investigate a clinical and translational science topic area leading to a manuscript to be ready to submit to a journal to be considered for publication.

augusta.edu/mcg/dphs/academic_programs/cts

Program Contact

Steven Coughlin
706-721-3785
scoughlin@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- Cumulative GPA of 2.8 or greater
- Grade of C or better in all courses in the program of study
- Successful completion of the Capstone Project

Program Information

CIP Code: 51.1401
Program Code: CERM_CTS

Certificate Requirements: 16 Hours

Core Courses: 15 Hours

CTRS 7100 - Grant Writing for Clinical and Translational Science (2 Credit Hours)
MPHC 8011 - Ethical Conduct in Research (1 Credit Hour)
STAT 7010 - Biostatistics I (3 Credit Hours)
STAT 7020 - Biostatistics II (3 Credit Hours)
STAT 7130 - Introduction to Epidemiology (3 Credit Hours)
STAT 7240 - Introduction to Clinical Trials (3 Credit Hours)

Capstone Project: 1 Hour

CTRS 7900 - Capstone Project (1 to 3 Credit Hours)

Certificate Total: 16 Hours

Post-Master's Certificate in Educational Leadership - Tier One

Program Overview

The 21-hour Leadership Tier I Certification Only program offers candidates significant opportunities to apply knowledge and skills in real educational settings, which will be documented in the E-Portfolios in Anthology. Educators who complete the program will be eligible for Tier I Leadership Certification in Georgia. The degree may be completed in three consecutive semesters when you follow the class rotation schedule. This is an embedded or standalone certificate.

augusta.edu/education/teaching-leading/leadership

Program Contact

Dr. Renee Neal
706-737-1496
coegs@augusta.edu

Program Accreditation

The program is accredited by the Georgia Professional Standards Commission (GaPSC), the accrediting agency, as an integral part of the Educational Leadership Preparation Program in the College of Education and Human Development at Augusta University.

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions and the Department of Teaching and Leading website at augusta.edu/education/teaching-leading/med-leadership-1.

Progression and Graduation Requirements

- Observations of highly skilled leaders for growth are documented at all levels (i.e., P-5, 6-8, 9-12, Central Office Administrator)
- Coach (with a current L5 certificate) to supervise the three residency classes is identified
- Development of an e-portfolio demonstrating knowledge, skills, and application of Educational Leadership Standards and completion of the required field experience hours
- Obtain a passing score on the GACE 311 Leadership Content Assessment prior to July 1, 2025, or the GACE GT334 GACE Educational Leadership Tier I Assessment after July 1, 2025, to add leadership certification to your GAPSC educator certificate.

Program Information

Program Length: 1 Year
CIP Code: 13.0499
Program Code: 1CERM-ELTO

Certificate Requirements

Required Courses: 21 Hours

EDLR 6430 - School Law (3 Credit Hours)
EDLR 6440 - Developing Professional Learning Communities (3 Credit Hours)

EDLR 6550 - Instructional Supervision for Improving P-12 Learning (3 Credit Hours)
EDLR 6640 - Developing Trends in Educational Leadership (3 Credit Hours)
EDLR 6720 - Leading School Operations and Resources (3 Credit Hours)
EDLR 6730 - Leading Culture and Diversity in Schools (3 Credit Hours)
EDLR 6900 - Tier One Certification Clinical Residency I (1 Credit Hour)
EDLR 6901 - Tier One Certification Clinical Residency II (1 Credit Hour)
EDLR 6902 - Tier One Certification Clinical Residency III (1 Credit Hour)

Certificate Total: 21 Hours

Post-Master's Certificate in Educational Leadership - Tier Two

Program Overview

The 21-hour Tier II Certification-Only program is a performance-based program designed for educators who hold Tier I Educational Leadership certification and a Specialist degree or higher. It provides candidates with extensive opportunities to apply their knowledge and skills in authentic educational leadership settings. Upon successful completion of the required coursework and state assessments, candidates may be eligible for Tier II Leadership certification in Georgia. This is an embedded or standalone certificate (non-degree) program.

augusta.edu/education/teaching-leading

Program Contact

Dr. Wayne Hickman
706-737-1496
whickman@augusta.edu

Program Accreditation

The program is accredited by the Georgia Professional Standards Commission (GaPSC), the accrediting agency, as an integral part of the Educational Leadership Preparation Program in the College of Education and Human Development at Augusta University.

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- Completion of an Individualized Educational Professional Practice Plan
- Completion of a pre- and post-program self-evaluation rubric
- Completion of the required assessment (PASL / GACE 347) prior to program completion; administered twice annually (spring and fall) during designated submission windows. *Note: Program approval required prior to registering for the Performance-Based Assessment for School Leaders (PASL) or, beginning July 1, 2025, the GACE 347 Educational Leadership Tier II Constructed Response Assessment.*

Program Information

Program Length: 1 Year
CIP Code: 13.0499
Program Code: 1CERM-ELTT

Certificate Requirements

Required Courses: 21 Hours

EDLR 7351 - Tier II Clinical Residency for Educational Leaders - I (4 Credit Hours)
EDLR 7352 - Tier II Clinical Residency for Educational Leaders - II (4 Credit Hours)
EDLR 7353 - Tier II Clinical Residency for Educational Leaders - III (4 Credit Hours)
EDLR 7430 - Improving Instructional Capacity Through Change (3 Credit Hours)
EDLR 7470 - Managing Educational Operations to Support Teaching and Learning (3 Credit Hours)
EDLR 7620 - Leading Diverse Communities to Support Teaching and Learning (3 Credit Hours)

Certificate Total: 21 Hours

Post-Master's Certificate in Educational Leadership - Tier Two Extended Track

Program Overview

The Extended Tier-II Educational Leadership Program is designed to abridge the admission and progression processes for the Tier-I/Tier-II certification-only Educational Leadership Programs. It is for specific group of candidates. This is an embedded or standalone certificate.

The Extended Tier-II Program is for the following candidates:

- 1) Candidates in the state of Georgia with Ed.S. degree and above, in verifiable official leadership position, holding a temporary Non-Renewable Professional Leadership Certificate in Educational Leadership, and seeking a one-step seamless admission and progression process for Tier-1/Tier-II Certification-only program completion.
- 2) Candidates in the state of Georgia with Ed.S. degree seeking a seamless one-step admission and progression process for Tier-I/Tier-II Certification-only completion in Educational Leadership; with special permission from the school district/LUA.
- 3) From other states (including S.C.) with Ed.S. degree seeking seamless process involving a one-step admission and progression process for Tier-I/Tier-II Certification-only completion.

augusta.edu/education/leadership-non-degree

Program Contact

Dr. Wayne Hickman
706-737-1496
coegs@augusta.edu

Program Accreditation

The program is accredited by the Georgia Professional Standards Commission (GaPSC), the accrediting agency, as an integral part of the Educational Leadership Preparation Program in the College of Education and Human Development at Augusta University.

Admissions Information

- Ed.S. degree in Education
- 3.0 GPA at graduate degree level
- Educator certificate with at least three years teaching experience
- School District/Local Unit of Education permission is required, as part of the application and admission processes

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

- The Tier-I certificate section of the program is to be completed by the end of the first year; with satisfactory completion of minimum of 18 credit hours for the Tier-I section courses.
- Transition to the Tier-II section of the program by the beginning of the second year.
- The Tier-II section of the program to be completed by the end of the second year; with satisfactory completion of 21 credit hours of the Tier-II courses upon satisfactory completion of the Tier-1 section.

Candidates in this Extended Tier-II Program will not be allowed to register for any of the Tier-II Residency courses until they have completed and met all the requirements for Tier-1 certification in the Tier-I Section of the program. The requirements include the completion of the following:

- 1) All Tier-1 courses listed in the Program of Study for the Extended Tier-I-Tier-II Program, plus at least one of the Tier-II section courses (except for the residency courses), and
- 2) Take and pass the (a) GACE Tier-1 Leadership Content test and (b) GACE Leadership Ethics test. Meeting these requirements is the only way a candidate can be entered into the GaPSC TPMS platform to be officially recognized as a Tier-II candidate by the GaPSC.

Candidates can apply for Tier-1 Certification as soon as they complete all the courses in the Tier 1 section, plus at least one course in the Tier-II section (except for the residency courses) and fulfill all other GaPSC requirements for Tier-I Certification. Candidates can only apply for Tier II Certificate after completing the whole program of study and meeting other state requirements, including taking and passing the Performance Assessment for School Leaders (PASL) for Tier II Certification.

- To graduate, students must earn an overall 2.8 GPA.

Program Information

Program Length: 2 Years (includes two summer semesters)

CIP Code: 13.0499

Program Code: 1CERM-ELTT

Major Code: ELTT

Certificate Requirements

Tier I Section: 18 Hours

EDLR 6430 - School Law (3 Credit Hours)
 EDLR 6440 - Developing Professional Learning Communities (3 Credit Hours)
 EDLR 6550 - Instructional Supervision for Improving P-12 Learning (3 Credit Hours)
 EDLR 6640 - Developing Trends in Educational Leadership (3 Credit Hours)
 EDLR 6720 - Leading School Operations and Resources (3 Credit Hours)
 EDLR 6900 - Tier One Certification Clinical Residency I (1 Credit Hour)
 EDLR 6901 - Tier One Certification Clinical Residency II (1 Credit Hour)
 EDLR 6902 - Tier One Certification Clinical Residency III (1 Credit Hour)

Tier II Certification-Only Section: 21 Hours

EDLR 7351 - Tier II Clinical Residency for Educational Leaders - I (4 Credit Hours)
 EDLR 7352 - Tier II Clinical Residency for Educational Leaders - II (4 Credit Hours)
 EDLR 7353 - Tier II Clinical Residency for Educational Leaders - III (4 Credit Hours)
 EDLR 7430 - Improving Instructional Capacity Through Change (3 Credit Hours)
 EDLR 7470 - Managing Educational Operations to Support Teaching and Learning (3 Credit Hours)
 EDLR 7620 - Leading Diverse Communities to Support Teaching and Learning (3 Credit Hours)

Certificate Total: 39 Hours

Post-Master's Certificate in Family Nurse Practitioner

Program Overview

The Family Nurse Practitioner certificate program is designed for certified nurse practitioners (NP) with a master's or doctoral degree who would like to expand their scope of practice to provide advanced primary healthcare to clients, family and communities. Course and clinical work emphasize care of the adult, pediatric, and geriatric patients and their families. This certificate program is approved by the Georgia Board of Regents as a web-based program with greater than 50 percent of the program taught online. Due to the progressive nature of the specialty courses, the program is typically considered part-time (less than nine credit hours per semester). This is an embedded or standalone certificate.

augusta.edu/gradschool/nurse-cert

Program Accreditation

This program is fully accredited by the Commission on Collegiate Nursing Education. Graduates are prepared to meet the eligibility requirements for national board certification by the American Nurses Credentialing Center and the American Academy of Nurse Practitioners.

Program Contact

Debbie Weaver
706-446-3129
dnp@augusta.edu

Program Information

Program Length: 1 Year
CIP Code: 51.3805
Program Code: CERM_FNUP

Certificate Requirements

A minimum of 19 credit hours and 549 clinical hours are required, but individuals may be required to complete additional hours based on an individualized gap analysis.

NURS 8311 - FNP I: Health Promotion and Primary Care of the Adult (3 Credit Hours)
NURS 8313 - FNP Practice I: for Post Graduate Certificate (3 Credit Hours)
NURS 8314 - FNP II: Health Promotion and Primary Care of Children (3 Credit Hours)
NURS 8317 - FNP III: Health Promotion and Primary Care of the Older Adult (3 Credit Hours)
NURS 8353 - FNP Practice II: for Post Graduate Certificate (3 Credit Hours)
NURS 8354 - FNP Practice III: for Post Graduate Certificate (4 Credit Hours)

Certificate Total: 19 Hours

Clinical/Lab Total: 549 Hours

Post-Master's Certificate in Pediatric Nurse Practitioner

Program Overview

The certificate program is designed for nurses who currently hold a nurse practitioner certification and would like to expand their scope of practice to provide primary healthcare to clients from birth until young adulthood. Upon completion, the students are eligible to take the Pediatric Nurse Practitioner (PNP) certification exam offered by the American Nurses Credentialing Center or the Pediatric Nursing Certification Board. This is an embedded or standalone certificate.

augusta.edu/gradschool/nurse-cert

Program Accreditation

This program is fully accredited by the Commission on Collegiate Nursing Education. Graduates are prepared to meet the eligibility requirements for national board certification by the American Nurses Credentialing Center and the Pediatric Nursing Certification Board.

Program Contact

Debbie Weaver
706-446-3129
DNP@augusta.edu

Program Information

Program Length: 1 Year
CIP Code: 51.3809
Program Code: CERM_PNUP

Prerequisites

The following courses are required to be completed prior to the start of the certificate program:
NURS 7465 - Advanced Studies in Lifespan Development (2 Credit Hours)

Certificate Requirements: 19 Hours

NURS 8321 - PNP I: Health Promotion and Supervision: Birth through Adolescence (3 Credit Hours)
NURS 8324 - PNP II: Management of Acute and Common Health Problems of Children from Birth through Adolescence (3 Credit Hours)
NURS 8327 - PNP III: Management of Chronic Health Problems of Children from Birth through Adolescence (3 Credit Hours)
NURS 8355 - PNP Practice I: for Post Graduate Certificate (4 Credit Hours)
NURS 8356 - PNP Practice II: for Post Graduate Certificate (3 Credit Hours)
NURS 8357 - PNP Practice III: for Post Graduate Certificate (3 Credit Hours)

Certificate Total: 19 Hours

Clinical/Lab Total: 549 Hours

Post-Master's Certificate in Psychiatric and Mental Health Advanced Nurse Practitioner

Program Overview

The Psychiatric and Mental Health (PMH) Advanced Nurse Practitioner certificate program is designed for a certified nurse practitioner (NP) with a masters or doctoral degree who would like to expand their scope of practice to provide psychiatric and mental healthcare to clients, families and communities. This certificate program is approved by the Georgia Board of Regents as a web-based program with greater than 50% of the program taught online. Due to the progressive nature of the specialty courses, the program is typically considered part-time (less than nine credit hours per semester). This is an embedded or standalone certificate.

augusta.edu/gradschool/nurse-cert

Program Accreditation

This program is fully accredited by CCNE. Graduates are prepared to meet the eligibility requirements for national board certification by the American Nurses Credentialing Center.

Program Contact

Debbie Weaver
706-446-3129
DNP@augusta.edu

Program Information

Program Length: 1 Year
CIP Code: 51.3810
Program Code: CERM_PNUR

Prerequisites

The following courses are required if not completed prior to the start of the certificate program:

NURS 7425 - Advanced Pathophysiology (4 Credit Hours)
NURS 7430 - Pharmacology for Advanced Practice Nurses (3 Credit Hours)
NURS 7465 - Advanced Studies in Lifespan Development (2 Credit Hours)
NURS 7470 - Advanced Health Assessment (3 Credit Hours)

Certificate Requirements

NURS 7251 - Advanced Psychopharmacology (2 Credit Hours)
NURS 7465 - Advanced Studies in Lifespan Development (2 Credit Hours)
NURS 8340 - Theoretical Foundations for Advanced Practice Psychiatric Mental Health Nursing Across the Lifespan (3 Credit Hours)
NURS 8341 - Advanced Psychiatric Mental Health Nursing for Individuals Across the Lifespan (3 Credit Hours)
NURS 8344 - Advanced Psychiatric Mental Health Nursing for Families and Groups Across the Lifespan (3 Credit Hours)
NURS 8350 - PMHNP Practice I: for Accelerated Post Graduate Certificate (3 Credit Hours)
NURS 8351 - PMHNP Practice II: for Accelerated Post Graduate Certificate (3 Credit Hours)
NURS 8352 - PMHNP Practice III: for Accelerated Post Graduate Certificate (3 Credit Hours)

Certificate Total: 22 Hours

Total Clinical/Lab Hours: 504 Hours

Certificate: Post-Professional

Post-First-Professional Certificate in Advanced Education in General Dentistry

Program Overview

The Advanced Education in General Dentistry program at Augusta University is a one-year program fulfilling the requirements for advanced training in general dentistry as outlined by the Commission on Dental Accreditation of the American Dental Association leading to a certificate. The program is designed to provide clinical and didactic experience at the postdoctoral level in all areas of dentistry with an emphasis on treatment planning complex cases, treating medically complex patients, and training in advanced techniques such as rotary endodontics, implants, and IV sedation.

Residents receive an advanced program of didactic and clinical training in implant, fixed, and removable prosthodontics with the support of highly trained laboratory technicians; instruction in the management of

medically compromised patients, geriatric patients, phobic patients, and didactic and clinical experience in the implementation of IV sedation techniques.

The majority of time is spent providing comprehensive patient care in state-of-the-art operatories staffed by dental assistants and clerks simulating a small group dental practice. The year of training includes a clinical rotation in anesthesiology. This is a standalone certificate.

augusta.edu/dentalmedicine/academics/adved/aegd

Program Contact

Bill Bachand, DDS, MS

706-721-7752

dcgacademicaffairsoffice@augusta.edu

Admissions Information

For information concerning the application process, please contact the Office of Advanced Education at (706) 721-2251 or write to:

Augusta University

Dental College of Georgia, Office of Advanced Education

1120 15th Street, GC 5110

Augusta, GA 30912-1000

Fax: 706-723-0234

Please see the program admissions website for additional specific admissions information. Most of the Augusta University Advanced Education programs use the Postdoctoral Application Support Services (PASS) and the National Matching Services (MATCH) in the selection process. Further information about these programs is available on the ADEA PASS website at adea.org/PASSapp.

Program Information

Program Length: 1 Year

CIP Code: 51.0502

Program Code: CERP_AEGD

Major Code: AEGD

Certificate Requirements: 90 Hours

The Advanced Education in General Dentistry Program includes didactic training and advanced clinical experience in diagnostic sciences, endodontics, implant dentistry, oral surgery, pediatric dentistry, periodontics, preventive dentistry, prosthodontics (fixed and removable), restorative dentistry and special needs dentistry. The majority of the resident's time is devoted to advanced clinical training in ambulatory care settings.

AGDR 7023 - AEGD Didactics (13 Credit Hours)

AGDR 7024 - Advanced General Dentistry Clinic - Patient Care (26 Credit Hours)

AGDR 7033 - AEGD Didactics (13 Credit Hours)

AGDR 7034 - AEGD Clinic (28 Credit Hours)

CLCR 8001 - Physical Diagnosis (1 Credit Hour)

CLCR 8005 - Dental Business Management (1 Credit Hour)

CLCR 8014 - Dental Implantology (3 Credit Hours)

CLCR 8020 - Ethics and Professionalism in Dental Practice (1 Credit Hour)

IDSR 7003 - Esthetic and Restorative Procedures in General Dentistry I (2 Credit Hours)

IDSR 7004 - Esthetic and Restorative Procedures in GD II (2 Credit Hours)

Certificate Total: 90 Hours

Post-First-Professional Certificate in Advanced Practice: Physical Therapy Residency

Program Overview

The Augusta University Orthopedic Physical Therapy Residency Program is a collaboration between the Augusta University Department of Physical Therapy and Augusta University Health (AU Health). Both partners share administration of the residency. AU Health is the residency sponsor, and the AU Department of Physical Therapy provides the curriculum. All residency participants are employees of AU Health, where they complete their clinical practice.

The mission of the Augusta University Orthopedic Physical Therapy Residency Program is to develop physical therapists who demonstrate excellence in advanced clinical reasoning and specialty practice, utilizing a patient and family-centered approach to care for individuals with orthopedic conditions as demonstrated by successful completion of learning requirements.

The AU Orthopedic Physical Therapy Residency program is accredited by the American Board of Residency and Fellowship Education (ABPTRFE), recognized by the American Physical Therapy Association (APTA) as the agency for accreditation of physical therapy residency and fellowship education programs. An ABPTRFE-approved certificate is awarded upon successful completion of all program requirements.

augusta.edu/alliedhealth/pt/ortho-pt-residency

Program Contact

Valerie Hogan

706-721-2743

ptadmissions@augusta.edu

Admissions Information

For information on admissions requirements, visit the Office of Admissions website at augusta.edu/admissions.

Progression and Graduation Requirements

Participants in this program must have a physical therapy degree from an accredited program to enroll in the certificate program.

In order to fulfill the requirements of this certificate program, participants must pass all courses in the curriculum with a grade of "satisfactory."

Program Information

Program Length: 1 Year

CIP Code: 51.2308

Program Code: CERP_PHTR

Major Code: PHTR

Certificate Requirements: 12 Hours

PTPP 9901 - Foundations of Physical Therapy Residency Practice (3 Credit Hours)

PTPP 9902 - Physical Therapy Residency Practicum I (1 Credit Hour)

PTPP 9903 - Orthopaedic Physical Therapy Practice I (3 Credit Hours)

PTPP 9904 - Physical Therapy Residency Practicum II (1 Credit Hour)

PTPP 9905 - Orthopaedic Physical Therapy Practice I (3 Credit Hours)

PTPP 9906 - Physical Therapy Residency Practicum III (1 Credit Hour)

Certificate Total: 12 Hours

Post-First-Professional Certificate in Endodontics

Program Overview

The Augusta University Dental College of Georgia offers an advanced education program leading to a Certificate in Endodontics. The philosophy of this program is to educate dentists to become competent endodontists who will serve the public and the profession at a high level of excellence. It stresses the importance of knowledge and skills in the diagnosis, prevention, and treatment of diseases associated with the dental pulp and related periapical tissues. The correlation of basic sciences and clinical sciences is an integral part of the program. Individuals who successfully complete this advanced education program will be awarded a Certificate in Endodontics. This is a standalone certificate.

augusta.edu/dentalmedicine/academics/advd/endo

Program Contact

Brian Bergeron, DMD
706-721-8210

Admissions Information

For information concerning the application process, please contact the Office of Advanced Education at 706-721-2251 or write to:

Augusta University
Dental College of Georgia, Office of Advanced Education
1120 15th Street, GC 5110
Augusta, GA 30912-1000
Fax: 706-723-0234

Please see the program admissions website for additional specific admissions information. Most of the Augusta University Advanced Education Programs use the Postdoctoral Application Support Services (PASS) in the selection process. Further information about these programs is available on the ADEA PASS website at adea.org/PASSapp.

Progression and Graduation Requirements

Successful completion of the postdoctoral curriculum fulfills all the educational requirements for eligibility for examination by the American Board of Endodontics. Candidates with clinical experience are preferred.

Program Information

Program Length: 2 Years
CIP Code: 60.0103
Program Code: CERP_ENDO
Major Code: ENDO

Certificate Requirements

CLCR 8005 - Dental Business Management (1 Credit Hour)
CLCR 8006 - Oral and Maxillofacial Radiology (1 Credit Hour)
CLCR 8014 - Dental Implantology (3 Credit Hours)
CLCR 8020 - Ethics and Professionalism in Dental Practice (1 Credit Hour)
ENDR 7021 - Advanced Clinical Literature Seminar / Journal Club (10 Credit Hours)
ENDR 7025 - Case Presentation Seminar (10 Credit Hours)
ENDR 7031 - Advanced Clinical Literature Seminar / Journal Club (10 Credit Hours)
ENDR 7035 - Case Presentations Seminar (9 Credit Hours)

ENDR 7040 - Endodontic Research I (4 Credit Hours)
ENDR 7041 - Endodontic Research II (4 Credit Hours)
ENDR 7120 - Clinical Endodontics I (21 Credit Hours)
ENDR 7130 - Clinical Endodontics II (23 Credit Hours)
ENDR 8021 - Advanced Clinical Literature Seminar / Journal Club (10 Credit Hours)
ENDR 8025 - Case Presentation Seminar (9 Credit Hours)
ENDR 8031 - Advanced Clinical Literature Seminar / Journal Club (11 Credit Hours)
ENDR 8035 - Case Presentation Seminar (9 Credit Hours)
ENDR 8040 - Endodontic Research III (2 Credit Hours)
ENDR 8041 - Endodontic Research IV (1 Credit Hour)
ENDR 8121 - Clinical Endodontics 3 (23 Credit Hours)
ENDR 8131 - Clinical Endodontics 4 (23 Credit Hours)
IDSR 8020 - Endodontics/Pediatric Dentistry Seminar (1 Credit Hour)
OBPR 8001 - Topics in Oral Biology I (2 Credit Hours) *(Taken as Audit only for 0 credit hours)*
OBPR 8002 - Topics in Oral Biology II (2 Credit Hours) *(Taken as Audit only for 0 credit hours)*
OBPR 8003 - Topics in Oral Biology III (2 Credit Hours) *(Taken as Audit only for 0 credit hours)*
OBPR 8004 - Topics in Oral Biology IV (2 Credit Hours) *(Taken as Audit only for 0 credit hours)*
OBPR 8540 - Advanced Oral Pathology I (2 Credit Hours)
STAT 7060 - Research Design and Statistics (1 Credit Hour)

Certificate Total: 191 Hours

Post-First-Professional Certificate in General Practice Residency

Program Overview

The Advanced Education in General Practice Residency at Augusta University is a one-year program fulfilling the requirements for advanced training in general dentistry as outlined by the Commission on Dental Accreditation of the American Dental Association leading to a certificate. The program is designed to provide clinical and didactic experience at the postdoctoral level in all areas of dentistry with an emphasis on treatment planning complex cases, treating medically complex patients, and training in advanced techniques such as rotary endodontics, implants, and IV sedation.

Residents receive an advanced program of didactic and clinical training in implant, fixed, and removable prosthodontics with the support of highly trained laboratory technicians; instruction in the management of medically compromised patients, geriatric patients, phobic patients, and didactic and clinical experience in the implementation of IV sedation techniques.

The majority of time is spent providing comprehensive patient care in state-of-the-art operatories staffed by dental assistants and clerks simulating a small group dental practice. The year of training includes clinical rotations in emergency medicine, pedodontics and anesthesiology. This is a standalone certificate.

augusta.edu/dentalmedicine/academics/adved/gp

Program Contact

Dr. Bachand
706-721-6038
dgcacademicaffairsoffice@augusta.edu

Admissions Information

For information concerning the application process, please contact the Office of Advanced Education at:

Augusta University
Dental College of Georgia, Office of Advanced Education
1120 15th Street, GC 5110
Augusta, GA 30912-1000
Phone: 706-721-2251
Fax: 706-723-0234

Please see the program admissions website for additional specific admissions information. Most of the Augusta University Advanced Education programs use the Postdoctoral Application Support Services (PASS) and the National Matching Services (MATCH) in the selection process. Further information about these programs is available on the ADEA website.

Program Information

Program Length: 1 Year
CIP Code: 60.0199
Program Code: CERP_GEPR
Major Code: GEPR

Certificate Requirements

Year One Courses

CLCR 8001 - Physical Diagnosis (1 Credit Hour)
CLCR 8005 - Dental Business Management (1 Credit Hour)
CLCR 8020 - Ethics and Professionalism in Dental Practice (1 Credit Hour)
GPRR 7023 - General Practice Didactic Course (13 Credit Hours)
GPRR 7024 - General Practice Clinic (26 Credit Hours)
GPRR 7033 - General Practice Didactics (13 Credit Hours)
GPRR 7034 - General Practice Clinic (28 Credit Hours)
IDSR 7003 - Esthetic and Restorative Procedures in General Dentistry I (2 Credit Hours)
IDSR 7004 - Esthetic and Restorative Procedures in GD II (2 Credit Hours)

Year One Certificate Total: 87 Hours

Year Two Courses (Optional)

GPRR 7213 - General Practice Didactics (13 Credit Hours)
GPRR 7214 - General Practice Clinic (29 Credit Hours)
GPRR 7233 - General Practice Didactics (13 Credit Hours)
GPRR 7234 - General Practice Clinic (29 Credit Hours)

Year Two Certificate Total: 84 Hours

Year One & Year Two Certificate Total: 171 Hours

Post-First-Professional Certificate in Oral and Maxillofacial Surgery

Program Overview

The Oral and Maxillofacial Surgery Advanced Education program at Augusta University is a four-year program fulfilling the requirements for advanced training in oral and maxillofacial surgery as outlined by the Commission on Dental Accreditation of the American Dental Association. The residency program consists of didactic education in basic and clinical sciences, clinical rotations, and research.

The first year of training includes clinical rotations in oral and maxillofacial surgery and internal medicine. The second year includes clinical rotations in anesthesia (6 months) that include adult, pediatric, and

advanced anesthesia; general surgery (6 months) that include plastic and reconstructive surgery; trauma ICU; ENT; general surgery services; and oral and maxillofacial surgery. Also included in the third year is one elective rotation which is arranged according to specific interests of the resident. The fourth year of training, or chief resident year, is spent entirely in oral and maxillofacial surgery. Opportunities exist for surgical experience with the Ft. Eisenhower OMS program as well.

The Dental College of Georgia program focuses on the advanced study of the diagnosis and intrusive and adjunctive treatment of diseases, injuries, and defects of the oral and maxillofacial regions, including functional and aesthetic aspects. It includes instruction in pharmacology, analgesia, anesthesia, anxiety control, surgical procedures and techniques, surgical instrumentation, exodontia, oral diseases and malfunctions, soft and hard tissue pathology, dentoalveolar surgery, infection management, prosthetic implantation, and exposure to craniofacial and cleft surgery, treatment of malignancy, and microsurgery. This is a standalone certificate.

augusta.edu/dentalmedicine/academics/advanced/oralmax

Program Contact

Marshall F. Newman, DMD, FAAP, FACS
706-723-4511
marnewman@augusta.edu

Admissions Information

For information concerning the application process, please contact the Office of Advanced Education at:

Augusta University
Dental College of Georgia, Office of Advanced Education
1120 15th Street, GC 5110
Augusta, GA 30912-1000
Phone: 706-721-2251
Fax: 706-723-0234

Please see the program admissions website for additional specific admissions information. Most of the Augusta University Advanced Education programs use the Postdoctoral Application Support Services (PASS) and the National Matching Services (MATCH) in the selection process. Further information about these programs is available on the ADEA website.

Program Information

Program Length: 4 Years
CIP Code: 60.0101
Program Code: CERP_ORMS
Major Code: ORMS

Certificate Requirements

CLCR 8020 - Ethics and Professionalism in Dental Practice (1 Credit Hour)
IDSR 6040 - Orthodontic-Oral Maxillofacial Surgery Conference I (1 Credit Hour)
IDSR 6041 - Orthodontic-Oral Maxillofacial Surgery Conference II (1 Credit Hour)
IDSR 7040 - Orthodontic-Oral Maxillofacial Surgery Conference III (1 Credit Hour)
IDSR 7041 - Orthodontic-Oral Maxillofacial Surgery Conference IV (1 Credit Hour)
IDSR 8040 - Orthodontic-Oral Maxillofacial Surgery Conference V (1 Credit Hour)
IDSR 8041 - Orthodontic-Oral Maxillofacial Surgery Conference VI (1 Credit Hour)
IDSR 9040 - Orthodontic-Oral Maxillofacial Surgery Conference VII (1 Credit Hour)
IDSR 9041 - Orthodontic-Oral Maxillofacial Surgery Conference VIII (1 Credit Hour)
OMSR 6021 - Didactics I (18 Credit Hours)
OMSR 6022 - Oral Maxillofacial Surgery - Pathology Conference I (2 Credit Hours)

OMSR 6031 - Didactics II (15 Credit Hours)
 OMSR 6032 - Oral & Maxillofacial Surgery-Pathology Conference II (2 Credit Hours)
 OMSR 6121 - Oral Surgery Clinical Care I (25 Credit Hours)
 OMSR 6131 - Oral Surgery Clinical Care (27 Credit Hours)
 OMSR 7021 - Didactics III (15 Credit Hours)
 OMSR 7022 - Oral Maxillofacial Surgery - Pathology Conference III (2 Credit Hours)
 OMSR 7031 - Didactics IV (15 Credit Hours)
 OMSR 7032 - Oral Maxillofacial Surgery - Pathology Conference IV (2 Credit Hours)
 OMSR 7121 - Oral Surgery Clinical Care III (27 Credit Hours)
 OMSR 7131 - Oral Surgery Clinical Care IV (27 Credit Hours)
 OMSR 8021 - Oral Surgery Didactics V (14 Credit Hours)
 OMSR 8022 - Oral & Maxillofacial Surgery-Pathology Conference V (2 Credit Hours)
 OMSR 8031 - Oral Surgery Didactics VI (13 Credit Hours)
 OMSR 8032 - Oral Maxillofacial Surgery - Pathology Conference VI (2 Credit Hours)
 OMSR 8121 - Oral Surgery Clinical Care V (26 Credit Hours)
 OMSR 8131 - Oral Surgery Clinical Care VI (27 Credit Hours)
 OMSR 9021 - Oral Surgery Didactics VII (14 Credit Hours)
 OMSR 9022 - Oral Maxillofacial Surgery - Pathology Conference VII (2 Credit Hours)
 OMSR 9031 - Oral Surgery Didactics VIII (13 Credit Hours)
 OMSR 9032 - Oral Maxillofacial Surgery - Pathology Conference VIII (2 Credit Hours)
 OMSR 9121 - Oral Surgery Clinical Care VII (27 Credit Hours)
 OMSR 9131 - Oral Surgery Clinical Care VIII (27 Credit Hours)

Certificate Total: 355 Hours

Post-First-Professional Certificate in Orthodontics

Program Overview

The Advanced Education program in Orthodontics provides a comprehensive course of study in clinical and didactic orthodontics. In addition, a publishable paper on an approved orthodontic subject must be completed. Successful completion of the curriculum fulfills all the educational requirements for eligibility for the examination by the American Board of Orthodontics. This is a standalone certificate.

augusta.edu/dentalmedicine/academics/adved/ortho

Program Contact

Dr. Padala
 706-721-8942
dgcacademicaffairsoffice@augusta.edu

Admissions Information

For information concerning the application process, please contact the Office of Advanced Education at:

Augusta University
 Dental College of Georgia, Office of Advanced Education
 1120 15th Street, GC 5110
 Augusta, GA 30912-1000
 Phone: 706-721-2251
 Fax: 706-723-0234

Please see the program admissions website for additional specific admissions information. Most of the Augusta University Advanced Education Programs use the Postdoctoral Application Support Services (PASS) and the National Matching Services (MATCH) in the selection process. For further information about these programs, visit the ADEA PASS website at adea.org/PASSapp.

Program Information

Program Length: 3 Years

CIP Code: 60.0105

Program Code: CERP_ORTH

Major Code: ORTH

Certificate Requirements: 247 Hours

CLCR 8001 - Physical Diagnosis (1 Credit Hour)
 CLCR 8005 - Dental Business Management (1 Credit Hour)
 CLCR 8006 - Oral and Maxillofacial Radiology (1 Credit Hour)
 CLCR 8014 - Dental Implantology (3 Credit Hours)
 CLCR 8016 - Cleft Palate and Craniofacial Anomalies (1 Credit Hour)
 CLCR 8020 - Ethics and Professionalism in Dental Practice (1 Credit Hour)
 IDSR 6040 - Orthodontic-Oral Maxillofacial Surgery Conference I (1 Credit Hour)
 IDSR 6041 - Orthodontic-Oral Maxillofacial Surgery Conference II (1 Credit Hour)
 IDSR 7040 - Orthodontic-Oral Maxillofacial Surgery Conference III (1 Credit Hour)
 IDSR 7041 - Orthodontic-Oral Maxillofacial Surgery Conference IV (1 Credit Hour)
 IDSR 8008 - Esthetics and Function (1 Credit Hour)
 IDSR 8040 - Orthodontic-Oral Maxillofacial Surgery Conference V (1 Credit Hour)
 OBPR 8001 - Topics in Oral Biology I (2 Credit Hours) *(Taken as Audit only for 0 credit hours)*
 OBPR 8002 - Topics in Oral Biology II (2 Credit Hours) *(Taken as Audit only for 0 credit hours)*
 OBPR 8003 - Topics in Oral Biology III (2 Credit Hours) *(Taken as Audit only for 0 credit hours)*
 OBPR 8004 - Topics in Oral Biology IV (2 Credit Hours) *(Taken as Audit only for 0 credit hours)*
 OBPR 8540 - Advanced Oral Pathology I (2 Credit Hours)
 ORTR 7010 - Edgewise Therapy (10 Credit Hours)
 ORTR 7020 - Advanced Diagnosis I (9 Credit Hours)
 ORTR 7030 - Advanced Diagnostics II (14 Credit Hours)
 ORTR 7110 - Clinical Orthodontics (3 Credit Hours)
 ORTR 7120 - Craniofacial Deformities I (17 Credit Hours)
 ORTR 7130 - Craniofacial Deformities II (24 Credit Hours)
 ORTR 7210 - Diagnostic Essentials (2 Credit Hours)
 ORTR 7220 - Surgical Orthodontics (7 Credit Hours)
 ORTR 7230 - Dentofacial Malocclusions II (7 Credit Hours)
 ORTR 8010 - Orthodontic Treatment: Principles and Techniques (9 Credit Hours)
 ORTR 8020 - Finishing and Retention I (7 Credit Hours)
 ORTR 8030 - Finishing and Retention II (12 Credit Hours)
 ORTR 8120 - Comprehensive Orthodontic Treatment II (20 Credit Hours)
 ORTR 8130 - Comprehensive Orthodontic Treatment III (24 Credit Hours)
 ORTR 8220 - Diagnosis and Treatment Planning II (10 Credit Hours)
 ORTR 8330 - Diagnosis and Treatment Planning III (9 Credit Hours)
 ORTR 9020 - Classis and Current Literature Review II (17 Credit Hours)
 ORTR 9120 - Comprehensive Orthodontic Treatment III (19 Credit Hours)
 ORTR 9220 - ABO Treatment Plan Assessment II (10 Credit Hours)
 STAT 7060 - Research Design and Statistics (1 Credit Hour)

Certificate Total: 247 Hours

Post-First-Professional Certificate in Pediatric Dentistry

Program Overview

The Advanced Education Program in Pediatric Dentistry will provide dentists the guidance, experience, and models necessary to begin delivery of proficient primary and specialty oral health care to infants,

children, and adolescents, including those with special needs. Residents will learn current scientifically-supported techniques and philosophies, and teaching will be conducted in a collegial atmosphere conducive to resident-faculty interaction. Graduates will be defined by the American Board of Pediatric Dentistry as educationally qualified. The program strives to instill in each resident the desire to become lifelong learners in the specialty. This is a standalone certificate.

augusta.edu/dentalmedicine/academics/adved/peds

Program Contact

Dr. Tara Schafer
706-721-9073

Admissions Information

For information concerning the application process, please contact the Office of Advanced Education at:

Augusta University
Dental College of Georgia, Office of Advanced Education
1120 15th Street, GC 5110
Augusta, GA 30912-1000
Phone: 706-721-2251
Fax: 706-723-0234

Please see the program admissions website for additional specific admissions information. Most of the Augusta University Advanced Education Programs use the Postdoctoral Application Support Services (PASS) and the National Matching Services (MATCH) in the selection process. For further information about these programs, visit the ADEA PASS website at adea.org/PASSapp.

Progression and Graduation Requirements

Applicants must have successfully passed both Parts I and II of the national board dental examination by the program start date.

Program Information

Program Length: 2 Years
CIP Code: 60.0106
Program Code: CERP_PEDD
Major Code: PEDD

Certificate Requirements

CLCR 8001 - Physical Diagnosis (1 Credit Hour)
CLCR 8005 - Dental Business Management (1 Credit Hour)
CLCR 8006 - Oral and Maxillofacial Radiology (1 Credit Hour)
CLCR 8016 - Cleft Palate and Craniofacial Anomalies (1 Credit Hour)
CLCR 8020 - Ethics and Professionalism in Dental Practice (1 Credit Hour)
IDSR 7032 - Periodontics/Pediatric Dentistry Seminar (1 Credit Hour)
IDSR 8020 - Endodontics/Pediatric Dentistry Seminar (1 Credit Hour)
OBPR 8001 - Topics in Oral Biology I (2 Credit Hours) *(Taken as audit only for 0 credit hours)*
OBPR 8002 - Topics in Oral Biology II (2 Credit Hours) *(Taken as audit only for 0 credit hours)*
OBPR 8003 - Topics in Oral Biology III (2 Credit Hours) *(Taken as audit only for 0 credit hours)*
OBPR 8004 - Topics in Oral Biology IV (2 Credit Hours)
OBPR 8540 - Advanced Oral Pathology I (2 Credit Hours)
PEDR 7025 - Pediatric Dentistry Research I (1 Credit Hour)
PEDR 7032 - Pediatric Dentistry Research II (1 Credit Hour)
PEDR 7150 - Pediatric Dentistry Core Curriculum I (13 Credit Hours)
PEDR 7160 - Clinical Pediatric Dentistry I (16 Credit Hours)

PEDR 7170 - Hospital Dentistry I (6 Credit Hours)
 PEDR 7180 - Literature Review I (3 Credit Hours)
 PEDR 7190 - Special Care Dentistry I (7 Credit Hours)
 PEDR 7250 - Pediatric Dentistry Core Curriculum II (2 Credit Hours)
 PEDR 7260 - Clinical Pediatric Dentistry II (29 Credit Hours)
 PEDR 7270 - Hospital Dentistry II (4 Credit Hours)
 PEDR 7280 - Literature Review II (3 Credit Hours)
 PEDR 7290 - Special Care Dentistry II (3 Credit Hours)
 PEDR 8013 - Pediatric Dentistry Research III (1 Credit Hour)
 PEDR 8034 - Pediatric Dentistry Research IV (2 Credit Hours)
 PEDR 8350 - Pediatric Dentistry Core Curriculum III (2 Credit Hours)
 PEDR 8360 - Clinical Pediatric Dentistry III (29 Credit Hours)
 PEDR 8370 - Hospital Dentistry III (2 Credit Hours)
 PEDR 8380 - Literature Review III (3 Credit Hours)
 PEDR 8450 - Pediatric Dentistry Core Curriculum IV (4 Credit Hours)
 PEDR 8460 - Clinical Pediatric Dentistry IV (29 Credit Hours)
 PEDR 8470 - Hospital Dentistry IV (2 Credit Hours)
 PEDR 8480 - Literature Review IV (3 Credit Hours)
 STAT 7060 - Research Design and Statistics (1 Credit Hour)

Certificate Total: 177 Hours

Post-First-Professional Certificate in Periodontics

Program Overview

The Advanced Education Program in Periodontics is a course of study leading to the award of a Certificate in Periodontics. The program provides a comprehensive course of study in clinical and didactic periodontics, satisfying the requirements for eligibility for the American Board of Periodontology. The program provides the residents with evidence-based biological, scientific and clinical information and experiences to diagnose and treat all forms of periodontal disease at a proficient level. The resident becomes thoroughly familiar with the periodontal literature and receives broad clinical experiences in examination, prognosis determination, and all accepted modes of periodontal therapy. Residents are encouraged to continue learning experiences after completion of the program by means of the critical review of the literature, active participation in continuing education, leadership in organized dentistry and clinical research. Hospital dentistry and a varied patient population are achieved through the Augusta University Medical Center and an affiliation with the Veterans Administration Medical Center Outpatient Dental Clinic. This is a standalone certificate.

augusta.edu/dentalmedicine/academics/adved/perio

Program Contact

Dr. El-Awady
 706-723-4305
dgcacademicaffairsoffice@augusta.edu

Admissions Information

For information concerning the application process, please contact the Office of Advanced Education at:

Augusta University
 Dental College of Georgia, Office of Advanced Education
 1120 15th Street, GC 5110
 Augusta, GA 30912-1000
 Phone: 706-721-2251
 Fax: 706-723-0234

Please see the program admissions website for additional specific admissions information. Most of the Augusta University Advanced Education Programs use the Postdoctoral Application Support Services (PASS) and the National Matching Services (MATCH) in the selection process. For further information about these programs, visit the ADEA PASS website at adea.org/PASSapp.

Program Information

Program Length: 3 Years

CIP Code: 60.0107

Program Code: CERP_PERO

Major Code: PERO

Certificate Requirements

CLCR 8001 - Physical Diagnosis (1 Credit Hour)

CLCR 8005 - Dental Business Management (1 Credit Hour)

CLCR 8006 - Oral and Maxillofacial Radiology (1 Credit Hour)

CLCR 8014 - Dental Implantology (3 Credit Hours)

CLCR 8020 - Ethics and Professionalism in Dental Practice (1 Credit Hour)

IDSR 7009 - Periodontic – Prosthodontic Dental Implantology Seminar (1 Credit Hour)

IDSR 7032 - Periodontics/Pediatric Dentistry Seminar (1 Credit Hour)

IDSR 8008 - Esthetics and Function (1 Credit Hour)

OBPR 8001 - Topics in Oral Biology I (2 Credit Hours) *(Taken as audit only for 0 credit hours)*

OBPR 8002 - Topics in Oral Biology II (2 Credit Hours) *(Taken as audit only for 0 credit hours)*

OBPR 8003 - Topics in Oral Biology III (2 Credit Hours) *(Taken as audit only for 0 credit hours)*

OBPR 8004 - Topics in Oral Biology IV (2 Credit Hours)

OBPR 8540 - Advanced Oral Pathology I (2 Credit Hours)

PERR 7001 - Orientation for New Residents (10 Credit Hours)

PERR 7002 - Anesthesia Rotation (1 Credit Hour)

PERR 7004 - Periodontal Literature Review I (3 Credit Hours)

PERR 7005 - Periodontal Literature Review II (4 Credit Hours)

PERR 7006 - Periodontal Journal Club I (2 Credit Hours)

PERR 7007 - Periodontal Journal Club II (2 Credit Hours)

PERR 7008 - Periodontal Treatment Planning and Surgery Seminar I (4 Credit Hours)

PERR 7009 - Periodontal Treatment Planning and Surgery Seminar II (4 Credit Hours)

PERR 7010 - Periodontal Research I (2 Credit Hours)

PERR 7011 - Periodontal Research II (2 Credit Hours)

PERR 7012 - Undergraduate Teaching I (2 Credit Hours)

PERR 7020 - Topics in Periodontics (1 credit hour) *(Taken as audit only for 0 credit hours)*

PERR 7101 - Clinical Periodontics I (20 Credit Hours)

PERR 7102 - Clinical Periodontics 2 (24 Credit Hours)

PERR 8006 - Periodontal Literature Review III (3 Credit Hours)

PERR 8007 - Periodontal Literature Review IV (4 Credit Hours)

PERR 8008 - Periodontal Journal Club III (2 Credit Hours)

PERR 8009 - Periodontal Journal Club IV (2 Credit Hours)

PERR 8010 - Periodontal Treatment Planning and Surgery Seminar III (4 Credit Hours)

PERR 8011 - Periodontal Surgery and Treatment Planning Seminar IV (4 Credit Hours)

PERR 8012 - Periodontal Research III (2 Credit Hours)

PERR 8013 - Periodontal Research IV (2 Credit Hours)

PERR 8014 - Undergraduate Teaching II (2 Credit Hours)

PERR 8015 - Undergraduate Teaching III (2 Credit Hours)

PERR 8016 - Periodontal Medicine/Medically Complex Patient Seminar I (1 Credit Hour)

PERR 8019 - Periodontal Medicine/Medically Complex Patient Seminar II (1 Credit Hour)

PERR 8020 - Topics in Periodontics II (1 Credit Hour) *(Taken as audit only for 0 credit hours)*

PERR 8104 - Clinical Periodontics 3 (25 Credit Hours)

PERR 8105 - Clinical Periodontics 4 (24 Credit Hours)

PERR 9008 - Periodontal Literature Review V (3 Credit Hours)
PERR 9009 - Periodontal Literature Review VI (4 Credit Hours)
PERR 9010 - Periodontal Journal Club V (2 Credit Hours)
PERR 9011 - Periodontal Journal Club VI (2 Credit Hours)
PERR 9012 - Periodontal Treatment Planning and Surgery Seminar V (4 Credit Hours)
PERR 9013 - Periodontal Treatment Planning and Surgery Seminar VI (4 Credit Hours)
PERR 9014 - Periodontal Research V (2 Credit Hours)
PERR 9015 - Periodontal Research VI (2 Credit Hours)
PERR 9016 - Undergraduate Teaching IV (2 Credit Hours)
PERR 9017 - Undergraduate Teaching V (2 Credit Hours)
PERR 9020 - Topics in Periodontics III (1 credit hour)
PERR 9107 - Clinical Periodontics V (27 Credit Hours)
PERR 9108 - Clinical Periodontics VI (24 Credit Hours)
PERR 9109 - Oral Medicine Oral Pathology Rotation (1 Credit Hour)
STAT 7060 - Research Design and Statistics (1 Credit Hour)

Certificate Total: 253 Hours

Post-First-Professional Certificate in Prosthodontics

Program Overview

The Advanced Education Program in Prosthodontics at the Augusta University is a 35-month program leading to a certificate in prosthodontics. It consists of didactic work in the basic sciences, related clinical disciplines and all aspects of prosthodontics, to include fixed prosthodontics, removable prosthodontics, implant prosthodontics, and maxillofacial prosthetics. Graduates are qualified to take the examination of the American Board of Prosthodontics.

The Advanced Education Program in Prosthodontics at Augusta University is fortunate that the program director is committed full time to the program. The program draws upon the talents of both board-certified and trained prosthodontists, as well as other specialists who actively teach our residents through lectures, laboratories and daily clinical assignments. We also have an excellent working relationship with the U.S. Army's Prosthodontics Residency Program, housed at Fort Eisenhower, Georgia, only seven miles from the Dental College of Georgia. The related basic sciences and clinical disciplines, such as restorative dentistry, periodontics and endodontics are taught to our residents by equally qualified faculty. This is a standalone certificate.

augusta.edu/dentalmedicine/academics/adved/prostho

Program Contact

Jimmy Londono, DDS

7021-721-8232

COMD_ADVANCEDEDEDUCATION@augusta.edu

Admissions Information

For information concerning the application process, please contact the Office of Advanced Education at:

Augusta University
Dental College of Georgia, Office of Advanced Education
1120 15th Street, GC 5110
Augusta, GA 30912-1000
Phone: 706-721-2251
Fax: 706-723-0234

Please see the program admissions website for additional specific admissions information. Most of the Augusta University Advanced Education Programs use the Postdoctoral Application Support Services (PASS) and the National Matching Services (MATCH) in the selection process. For further information about these programs, visit the ADEA PASS website at adea.org/PASSapp.

Program Information

Program Length: 3 Years

CIP Code: 60.0108

Program Code: CERP_PROS

Major Code: PROS

Certificate Requirements: 249 Hours

CLCR 8001 - Physical Diagnosis (1 Credit Hour)
 CLCR 8005 - Dental Business Management (1 Credit Hour)
 CLCR 8006 - Oral and Maxillofacial Radiology (1 Credit Hour)
 CLCR 8014 - Dental Implantology (3 Credit Hours)
 CLCR 8016 - Cleft Palate and Craniofacial Anomalies (1 Credit Hour)
 CLCR 8020 - Ethics and Professionalism in Dental Practice (1 Credit Hour)
 IDSR 7001 - Esthetics & Ceramics Seminar (1 Credit Hour)
 IDSR 7002 - Esthetics & Ceramics Seminar (1 Credit Hour) (**Audit Only*)
 IDSR 7009 - Periodontic – Prosthodontic Dental Implantology Seminar (1 Credit Hour)
 IDSR 8001 - Esthetics & Ceramics Seminar (1 Credit Hour)
 IDSR 8002 - Esthetics & Ceramics Seminar (1 Credit Hour)
 IDSR 8008 - Esthetics and Function (1 Credit Hour)
 IDSR 9001 - Esthetics & Ceramics Seminar I (1 Credit Hour)
 IDSR 9002 - Esthetics & Ceramics Seminar II (1 Credit Hour)
 OBPR 8001 - Topics in Oral Biology I (2 Credit Hours) (**Audit Only*)
 OBPR 8002 - Topics in Oral Biology II (2 Credit Hours) (**Audit Only*)
 OBPR 8003 - Topics in Oral Biology III (2 Credit Hours) (**Audit Only*)
 OBPR 8004 - Topics in Oral Biology IV (2 Credit Hours) (**Audit Only*)
 OBPR 8540 - Advanced Oral Pathology I (2 Credit Hours)
 PROR 7011 - Complete Dentures (3 Credit Hours)
 PROR 7012 - Removable Partial Prosthodontics (3 Credit Hours)
 PROR 7013 - Fixed Partial Prosthodontics (2 Credit Hours)
 PROR 7014 - Intraoral Photography (1 Credit Hour)
 PROR 7021 - Literature Review I (4 Credit Hours)
 PROR 7022 - Prosthodontics Treatment Planning Conference I (4 Credit Hours)
 PROR 7024 - Occlusion/Articulator Seminar I (4 Credit Hours)
 PROR 7025 - Maxillofacial Prosthodontics I (1 Credit Hour)
 PROR 7026 - Implant Seminar I (2 Credit Hours)
 PROR 7027 - Resident Fixed and Removable Prosthodontics Seminar (1 Credit Hour)
 PROR 7031 - Literature Review II (4 Credit Hours)
 PROR 7032 - Prosthodontics Treatment Planning Conference II (4 Credit Hours)
 PROR 7034 - Prosthodontics Board Review I (2 Credit Hours)
 PROR 7035 - Prosthodontics Biomaterials (2 Credit Hours)
 PROR 7036 - Implant Seminar I (2 Credit Hours)
 PROR 7121 - Clinical Prosthodontics I (13 Credit Hours)
 PROR 7131 - Clinical Prosthodontics II (23 Credit Hours)
 PROR 8021 - Literature Review III (4 Credit Hours)
 PROR 8022 - Prosthodontics Treatment Planning Conference III (4 Credit Hours)
 PROR 8025 - Temporomandibular Dysfunction (1 Credit Hour)
 PROR 8026 - Occlusion/Articulator Seminar II (4 Credit Hours)
 PROR 8028 - Implant Seminar III (2 Credit Hours)
 PROR 8031 - Literature Review IV (4 Credit Hours)
 PROR 8032 - Prosthodontics Treatment Planning Conference IV (4 Credit Hours)

PROR 8034 - Prosthodontics Board Review II (2 Credit Hours)
PROR 8035 - Implant Seminar IV (2 Credit Hours)
PROR 8121 - Clinical Prosthodontics III (19 Credit Hours)
PROR 8131 - Clinical Prosthodontics IV (23 Credit Hours)
PROR 9022 - Predoctoral Teaching I (8 Credit Hours)
PROR 9023 - Clinical Research I (3 Credit Hours)
PROR 9024 - Occlusion/Articulator Seminar III (4 Credit Hours)
PROR 9031 - Prosthodontics Completed Treatment Presentation Conference (3 Credit Hours)
PROR 9032 - Predoctoral Teaching II (4 Credit Hours)
PROR 9033 - Clinical Research II (3 Credit Hours)
PROR 9034 - Prosthodontic Board Review III (6 Credit Hours)
PROR 9121 - Clinical Prosthodontics V (19 Credit Hours)
PROR 9131 - Clinical Prosthodontics VI (24 Credit Hours)
STAT 7060 - Research Design and Statistics (1 Credit Hour)

*Courses labeled as *Audit Only do not count towards the Total Hours for the Certificate.*

Certificate Total: 249 Hours

Section XIII: Courses

COURSE DESCRIPTION CONTENT

Course descriptions provide the following information:

- Course prefix
- Course number
- Course title
- Credit hours assigned to the course
- Brief description of the course content
- Prerequisites and/or corequisites (if any)
- Any course with which the course may be cross-listed or cross-leveled
- Whether a course is repeatable for credit
- How the course is graded
- Any restrictions for registration
- What type of course it is and whether it's on-campus or online

Note: The courses may also specify the number of class (lecture) and/or laboratory sessions and hours. If no class hours are given, the number of class hours per week is the same as the number of credit hours assigned to the course.

DEFINITIONS

Course Prefix

A course prefix is a four (4) letter code that identifies the subject area of the course. Augusta University uses a 4-character course prefix; ART is the only approved three-digit code. See the list of Course Prefixes and Subjects.

Course Number

Courses are identified by four-digit numbers following the course prefix. This four-digit sequence identifies level of the course. Courses are numbered according to the appropriate level as determined by the stated student learning outcomes of each course. The first digit indicates the level of the course:

- **1000**-numbered courses present introductory or general knowledge courses at the undergraduate level. Courses in this level generally have no prerequisites, unless it is part of a sequence.
- **2000**-numbered courses present fundamental knowledge in a particular field or discipline at the undergraduate level. Courses in this level may have prerequisites at the 1000 level.
- **3000**-numbered courses present topics related to major fields and disciplines at an undergraduate level.
- **4000**-numbered courses present more advanced topics related to major fields and disciplines at an undergraduate level.

- **5000**-numbered courses present introductory or general knowledge in a particular field or discipline at a graduate level.
- **6000**-numbered courses present fundamental knowledge in a particular field or discipline at a graduate level.
- **7000**-numbered courses are generally seminars and lectures and are reserved for specialists in educational, professional doctorates, and first-professional degrees.
- **8000**-numbered courses are generally advanced seminar and lecture courses for research-based and doctoral degrees.
- **9000**-numbered courses are advanced seminar and research courses and are to be used only by Doctor of Philosophy degree programs.

Course Suffixes

A single or double letter identifier after that course number which specifies the course is offered in an approved, special pedagogical format (e.g., BIOL 1107L). The following suffixes may be applied to designate that a course or specific course section carries a special purpose:

- **H**: Indicates course is approved as part of the Honors Program curriculum
- **K**: Indicates a combined lecture/laboratory course
- **L**: Indicates a standalone laboratory course
- **R**: Indicates a recitation course

Prerequisites and Corequisites

A prerequisite is a requirement that must be met or a course that must be passed before enrolling in a more advanced course. A corequisite is a course which should be taken in the same semester as another.

Cross-Listed Courses

Cross-listed courses are courses which share common learning outcomes, are numbered the same, and have the same level of rigor, but have different prefixes. They will have different course prefixes but their catalog descriptions must have the same title, numbering, description, fixed (not variable) credit hours, grading mode, repeat rules, and instructor(s). As such, cross-listed courses are considered equivalents and only one of the equivalent courses will be allowed per degree. Special topic, independent study, directed study, thesis, practice teaching, and internship/practicum courses cannot be cross-listed.

An example of cross-listed courses is COMM 4120: Gender and Communication and WGST 4120: Gender and Communication.

Cross-Leveled Courses

Cross-leveled courses are courses which share common learning outcomes but are numbered and offered at different levels of rigor. They will follow the numbering convention described below and will have the same final three digits. The catalog descriptions for Cross-leveled courses will have the same prefix, title, description, fixed

(not variable) credit hours, grading mode, repeat rules, and instructor(s). Special topic, independent study, directed study, thesis, practice teaching, and internship/practicum courses cannot be cross-leveled. Cross-leveled courses must show different levels of rigor, with the higher number course being more rigorous. If a course is taken at one level, it may not be repeated at the higher level.

Cross-leveled courses are limited to the following course numbering convention: 3000/5000, 4000/6000, 5000/7000, and 6000/8000. Nine-thousand (9000) level courses may not be cross-leveled.

An example of cross-leveled courses is HIST 4361: Age of Reason and Enlightenment and HIST 6361: Age of Reason and Enlightenment.

Dual Enrollment Courses

Dual Enrollment students are able to take courses that count towards their high school curriculum while also earning college-level credits. For details, visit the Dual Enrollment website at augusta.edu/admissions/dual-enrollment. Also visit the Dual Enrollment Course Directory at gafutures.org/che/cs/dualenrollment/DECourseDirectory.

Equivalent Courses

Equivalent courses are specified in POUNCE and are examined when determining repeats and prerequisite requirements. Equivalent courses typically carry the same credit, but may differ in title, catalog number, and/or prefix. Additionally, equivalent courses do not have to be offered the same term.

Notes:

- *Equivalent courses differ from cross-listed or cross-leveled courses*
- *Equivalent courses may also appear in POUNCE when a course prefix or number has changed. This ensures that students still receive credit for the course, regardless of any numbering adjustments. For example, when the university used a three-digit system, POLS 1101 was previously listed as POL 101. Students who completed POL 101 will receive credit for the updated POLS 1101 designation.*

Grade Mode

Courses may be graded in the normal A, B, C, D, F method or Satisfactory/Unsatisfactory method. See the grading policies under Academic Regulations: Undergraduate or Academic Regulations: Graduate and Professional.

Schedule Type

The schedule type indicates the ways in which a particular course may be taught, such as lecture, lab, asynchronous instruction (online), etc. See the Schedule of Classes for particular terms.

Repeat Status

Courses identified as repeatable may be taken multiple times with credit earned each time as designated. Courses that cover different subjects or experiences (e.g., Special

Topics courses), Research courses, Dissertation courses, Clinics, or Internships may be repeatable for credit.

Changes

Course descriptions and numbers are accurate at the time of publication of the *Catalog*. For the most current information, please consult with the academic department or the Schedule of Classes.

COURSE PREFIXES

Prefix	Course Type
ACCT	Accounting
ADBL	Admin Basic Lifesaving
ADCL	Admin Community Learning
ADFD	Admin Foundations
ADPD	Administrative Dentistry - Professional Development
ADSN	Administrative Dentistry - Special Needs
AGDR	General Dentistry - Advanced
AIST	Applied Information Systems and Technology
ANAT	Anatomy
ANES	Anesthesiology
ANTH	Anthropology
APHS	Applied Public Health Sciences
ARAB	Arabic
ART	Art
ASII	Academic Success Instruction I
ASTR	Astronomy
BCMB	Biochemistry and Molecular Biology
BEFD	Business Ethics Foundations
BIOL	Biology
BIOM	Biomedical Science
BMBS	Biomedical - Bioclinical Seminar
BMCC	Biomedical - Craniofacial Complex
BMCD	Biomedical - Craniofacial Development
BMCR	Biomedical - Cardiovascular
BMDM	Biomedical - Dental and Medical
BMEB	Biomedical - Evidence-Based
BMEN	Biomedical - Endocrine
BMFN	Biomedical - Foundations
BMGH	Biomedical - Gastroenterology and Hepatology

Prefix	Course Type
BMHD	Biomedical - Host Defenses
BMHS	Biomedical - Hematopoietic
BMMS	Biomedical - Musculoskeletal
BMNN	Biomedical - Nervous System and Neurology
BMNT	Biomedical - Nutrition
BMOM	Biomedical - Oral Microenvironment
BMRS	Biomedical - Respiratory
BMSE	Biomedical Systems Engineering
BSHS	Health Services
BUSA	Business Administration
CAHS	Allied Health Science
CBGM	Genomics and Personalized Medicine
CDCL	Complete Dentures - Clinical
CDPR	Complete Dentures - Preclinical
CENG	Cybersecurity Engineering
CERG	Physician Leadership and Advocacy
CHEM	Chemistry
CHNS	Chinese Studies
CLCR	Dental Resident Clinical Core
CLSC	Clinical Science
CMPC	Comprehensive Care
COHP	Community Oral Health Promotion
COMM	Communication
COOP	Cooperative Education
COUN	Counseling
CPRD	CPR for Dentistry
CRJU	Criminal Justice
CSCI	Computer Science
CTRS	Clinical and Translational Science
CURS	Undergraduate Research

Prefix	Course Type
CYBR	Cyber Studies
DASC	Data Science
DATA	Data Science
DATS	Data Science
DERM	Dermatology
DHYG	Dental Hygiene
DINT	Dietetic Internship
DIVD	Diversity and Dentistry
DLAB	Transfer Lab Science
DMAT	Dental Materials
DPAT	Dental Pathology
DPHM	Pharmacology
DRES	Dental Clinical Research
DSCP	Diagnostic Sciences Clinical Path
DSOM	Diagnostic Sciences Oral Medicine
DSRD	Diagnostic Sciences Radiology
ECED	Early Childhood
ECON	Economics
EDCI	Education Curriculum and Instruction
EDEI	Educational Innovation
EDLR	Educational Leadership
EDTD	Teacher Education
EDUC	Education
ELED	Elementary Education
EMED	Emergency Medicine
ENDO	Endodontics
ENDR	Endodontics - Resident
ENGL	English
ENGR	Engineering
EPID	Epidemiology
ESTD	Esthetic Dentistry
ETHD	Ethics in Dentistry
EURO	European Union Studies
FDNS	Food, Dietetics and Nutritional Science
FILM	Film
FINC	Finance
FITH	Film and Theatre
FMPC	Family Practice
FREN	French
GADL	General Dentistry - Licensure in Georgia

Prefix	Course Type
GDBC	General Dentistry - Bioclinical
GDBS	General Dentistry - Bioclinical Seminars
GDCC	General Dentistry - Comprehensive Care
GDDL	General Dentistry - Licensure
GDEN	General Dentistry - Predoctoral
GDTs	General Dentistry - Treatment Solutions
GEOG	Geography
GEOL	Geology
GERD	Geriatric Dentistry
GFA	Georgia Film Academy
GMED	Medicine - General
GNMD	Genomic Medicine
GPRR	General Dentistry - Resident
GRAD	Biomedical Science
GRMN	German
HEHP	Health Economics and Health Policy
HINF	Health Informatics
HIST	History
HONR	Honors
HPEC	Health Professions Education
HUMN	Humanities
IBTS	Indications-Based Treatment Solutions
IDSR	Interdisciplinary Studies - Resident
ILIT	Information Literacy
INQR	Academic Inquiry
INTS	Integrated Studies
ISCI	Integrated Science
KNHS	Kinesiology and Health Science
LDRS	Leadership
LING	Linguistics
MATH	Mathematics
MDPH	MD PHD Studies
MEDI	Medicine - Interdisciplinary
MEDR	Medicine - Remediation
MEDS	Student Educational Enrichment
MGED	Middle Grades Education
MGMT	Management
MILL	Medical Illustration
MILS	Military Science

Prefix	Course Type
MINF	Information Management
MKTG	Marketing
MLIR	Medical Lab, Imaging, and Radiology Sciences
MOIM	Molecular Oncology and Immunology
MPHC	Public Health Core
MPHE	Environmental Health
MPHI	Health Informatics
MPHM	Health Management
MPHS	Social and Behavioral Sciences
MUSA	Music - Applied
MUSI	Music - Instruction
MUSM	Museum Studies
NEUR	Neurology
NMMT	Nuclear Medicine Technology
NSCI	Neuroscience - Undergraduate
NURO	Neuroscience - Graduate
NURS	Nursing
OAUO	Augusta University Online
OBN	Obstetrics and Gynecology
OBMP	Oral Biology
OBPR	Oral Biology - Dental Resident
OCCL	Occlusion
ODOM	Oral Diagnosis and Oral Medicine
OMFS	Oral and Maxillofacial Surgery
OMSR	Oral Surgery - Resident
OPHT	Ophthalmology
ORIE	Online Orientation
ORPR	Orientation and Ethics
ORTH	Orthodontics
ORTR	Orthodontics - Resident
OTHP	Occupational Therapy
PADM	Public Administration
PATH	Pathology
PEDD	Pediatric Dentistry
PEDR	Pediatric Dentistry - Resident
PEDS	Pediatric Medicine
PEEB	Periodontics - Evidence-Based Dentistry
PEIM	Periodontics - Implantology
PERI	Periodontics
PERR	Periodontics - Resident

Prefix	Course Type
PHAS	Physician Assistant
PHIL	Philosophy
PHRM	Pharmacology
PHSC	Physical Science
PHYS	Physics
POLS	Political Science
PRDM	Practice Administration
PROR	Prosthodontics - Resident
PROS	Prosthodontics
PSIO	Physiology
PSRY	Psychiatry
PSYC	Psychology
PTCR	Patient Care
PTHP	Physical Therapy
PTPP	Physical Therapy - Post-Professional
PTSR	Patient Services
QUAN	Management Science
RADD	Dental Radiology
RADM	Medicine Radiology
RADT	Radiation Therapy
RANE	Anesthesiology
RCAR	Cardiology
RDER	Dermatology
REMD	Emergency Medicine
REST	Restorative Dentistry
RFAP	Family Practice
RGAS	Gastroenterology
RHON	Hematology/Oncology
RINF	Infectious Disease
RMAI	Allergy Immunology
RMED	Medicine
RMEN	Metabolic Endocrine Disease
RNEP	Nephrology
RNEU	Neurology
ROBG	Obstetrics and Gynecology
RONC	Radiation Oncology
ROPH	Ophthalmology
RPAT	Pathology
RPED	Pediatric Medicine
RPSY	Psychiatry
RPUL	Pulmonary Disease

Prefix	Course Type
RRAD	Radiology
RRHE	Rheumatology
RSBC	Restorative Sciences - Bioclinical
RSCA	Restorative Sciences - Cariology
RSCD	Restorative Sciences - Complete Denture
RSDM	Restorative Sciences - Dental Materials
RSDS	Restorative Sciences - Dental Sciences
RSED	Restorative Sciences - Esthetic Dentistry
RSFX	Restorative Sciences - Fixed
RSGD	Restorative Sciences - Geriatric Dentistry
RSID	Restorative Sciences - Introduction Dentistry
RSOC	Restorative Sciences - Occlusion
RSOP	Restorative Sciences - Operative
RSPR	Restorative Sciences - Prosthodontics
RSRC	Restorative Sciences - Restorative Clinic
RSTP	Restorative Sciences - Treatment Planning
RSUR	Surgery - Resident
RTHP	Respiratory Therapy
RURO	Urology
SABR	Studies Abroad

Prefix	Course Type
SABS	Study Abroad System
SAHS	Allied Health Science
SCCP	Senior Comprehensive Case Portfolio
SCED	Secondary Education
SECR	Security Studies
SLPP	Speech-Language Pathology
SOCI	Sociology
SOSC	Social Sciences
SOWK	Social Work
SPAN	Spanish
SPDS	Special Dental Studies
SPED	Special Education
SPMT	Sports Management
STAT	Statistics
SURG	Surgery - General
THEA	Theatre
TMDT	Diagnosis and Treatment of Temporomandibular Disorders
TXPL	Treatment Planning
USGG	USG Goes Global
VBIO	Vascular Biology
WELL	Wellness
WGST	Women's and Gender Studies
WMBA	Web-Based MBA

ACCOUNTING (ACCT)

ACCT 2101 - Principles of Accounting I (3 Credit Hours)

An introductory course in financial accounting. The focus is on accounting as a system for reporting business activity. It includes study of the accounting cycle, the preparation and interpretation of basic financial statements, and the study of fundamental accounting principles.

Prerequisite(s): MATH 1101>=C or MATH 1111>=C or MATH 1113>=C or MATH 1220>=C or MATH 2011>=C or MATH 2012>=C

ACCT 2102 - Principles of Accounting II (3 Credit Hours)

This is an introductory course in managerial accounting. The focus is on accounting as a system for providing information for organizational management. It includes the study of budgeting, cost-volume-profit analysis, and information for decision making.

Prerequisite(s): ACCT2101 >= C

ACCT 3311 - Intermediate Accounting I (3 Credit Hours)

This course is the first of three courses covering current accounting concepts, principles, theory, and techniques involved in the accounting process and preparation of financial statements. Emphasis is on

accounting for most working capital assets, financial statements, the accounting standard-setting process, and economic consequences of accounting standards on a firm's stakeholders.

Prerequisite(s): ACCT2101 >= B

ACCT 3312 - Intermediate Accounting II (3 Credit Hours)

This is the second of three courses in intermediate financial accounting. In this course students will learn how to account for complex business transactions. Emphasis is on accounting for long-term assets, investments, current and long-term liabilities, stockholders' equity, and dilutive securities and earnings per share.

Prerequisite(s): ACCT3311 >= C and ACCT2101 >= B and ACCT2102 >= B

ACCT 3313 - Intermediate Accounting III (3 Credit Hours)

This is the third of three courses in intermediate financial accounting. In this course students will learn how to account for complex business transactions. Emphasis is on revenue recognition, income taxes, pensions and postretirement benefits, leases, accounting for changes and error analysis, and full disclosure in financial reporting. In addition, students will learn how to prepare a complex statement of cash flows. Students will also analyze real world cases and learn how to evaluate firm performance using financial statements.

Prerequisite(s): ACCT3312 >= C

ACCT 3321 - Cost Accounting (3 Credit Hours)

This is a basic course in cost accounting for manufacturing and non-manufacturing sectors. The emphasis is on the development of cost systems for organizational planning and control. The course includes study of such areas as analysis of variances; determination of overhead rates; job order and process cost product costing; and capital, operating and financial budgets.

Prerequisite(s): (ACCT2102 >= B or ACC212 >= B) and MINF2650 >= C

ACCT 3331 - Federal Income Taxation (3 Credit Hours)

This course is a survey of theories and practices governing federal income taxation of individuals and business entities, including partnerships and corporations.

Prerequisite(s): (ACCT2101 >= B or ACC211 >= B)

ACCT 4322 - Cost Management (3 Credit Hours)

This course provides the student with an in-depth analysis of managerial-cost concepts and techniques required for developing, analyzing, and interpreting information for organizational planning and control.

Prerequisite(s): (ACCT3321 >= C or ACC411 >= C)

ACCT 4332 - Advanced Federal Income Taxation (3 Credit Hours)

This course presents an overview of federal tax law for corporations, partnerships, estates, and trusts, with an emphasis on tax research.

Prerequisite(s): (ACCT3331 >= C or ACC451 >= C)

ACCT 4350 - Accounting Information Systems (3 Credit Hours)

The course introduces students to the design and operation of accounting information systems as affected by information theory, computer and behavioral concepts. This includes a study of internal controls in the design and analysis of systems. EDP audit concepts and techniques are considered.

Prerequisite(s): (MINF2201 >= C or MINF2650 >= C or MIS210 >= C) and ACCT 3311 >= C

ACCT 4360 - Auditing (3 Credit Hours)

This course provides basic coverage of financial statement audits and related attest, assurance and other services performed by certified public accountants. The emphasis is on audits of financial statements, including auditing standards and procedures as well as the auditor's professional responsibilities. The course also covers the use of analytical skills, the study and testing of internal controls, evidence accumulation and evaluation techniques, forensic accounting topics, and the ethical responsibilities of

certified public accountants.

Prerequisite(s): (ACCT3312 >= C or ACCT4350 >= C)

ACCT 4370 - Advanced Accounting (3 Credit Hours)

The emphasis of this course is on the application of accounting theory to business combinations and international operations.

Prerequisite(s): (ACCT3312 >= C or ACC312 >= C)

ACCT 4380 - Governmental and Institutional Accounting (3 Credit Hours)

The emphasis of this course is on accounting for state and local governments. The accounting requirements and processes for hospitals, universities, and other not-for-profit organizations are also examined.

Prerequisite(s): (ACCT2102 >= B or ACC212 >= B) and (ACCT2101 >= B or ACC211 >= B)

ACCT 4390 - Financial Statement Analysis (3 Credit Hours)

This course focuses on the analysis and interpretation of financial statements, including: 1) profitability and ratio analysis, 2) adjustment and restatement of financial statements, 3) cash flow analysis, 4) accounting-based equity valuation, 5) market impact of accounting choices, 6) earnings quality, 7) earnings management, mergers, and acquisitions, 8) intangibles, credit analysis, and credit ratings, and 9) financial statement forecasting.

Prerequisite(s): ACCT 2101 >=C and ACCT 2102 >=C

ACCT 4950 - Selected Topics in Accounting (3 Credit Hours)

This is a course and/or directed study of a major issue, practice, or problem in the area of accounting. Content is to be decided based on needs and professional objectives of students and the expertise and availability of faculty. Prerequisite(s): permission of the instructor. *May be repeated for credit.*

ACCT 4960 - Accounting Internship (3 Credit Hours)

This course is a supervised, service-learning experience located within an organization emphasizing the completion of specific accounting related tasks or projects that require the application and acquisition of accounting knowledge. *May be repeated for credit.*

ACCT 6300 - Accounting for Managers (3 Credit Hours)

Provides an understanding of accounting for business and decision-making, including the preparation and interpretation of financial statements, the study of fundamental accounting principles, and interpreting information for organization planning and control.

ACCT 6332 - Advanced Federal Income Taxation (3 Credit Hours)

This course presents an overview of federal tax law for corporations, partnerships, estates, and trusts, with an emphasis on tax research. The course also includes a corporate tax return project. Students who have successfully completed ACCT 4332 may not take this course for credit.

ACCT 6350 - Accounting for Healthcare Managers (3 Credit Hours)

This course includes the study of healthcare accounting and financial management with a focus on cost, quality, and access and the roles they play developing a firm understanding of accounting and financial management in today's health care system. Topics include: financial environment of healthcare organizations, recording financial information, inventory costing, ratio analysis, investment analysis, capital structure (long-term debt and equity financing), and capital management.

ACCT 6370 - Advanced Accounting (3 Credit Hours)

The emphasis of this course is on the application of accounting theory to business combinations and international operations. Partnership accounting will also be examined. This course also includes a term project on accounting for international operations. Students who have successfully completed ACCT 4370

may not take this course for credit.

ACCT 6380 - Governmental and Institutional Accounting (3 Credit Hours)

The emphasis of this course is on accounting for state and local governments. The accounting requirements and processes for hospitals, universities, and other not-for-profit organizations are also examined. This course also includes a paper comparing not-for-profit organizations within the same industry. Students who have successfully completed ACCT 4380 may not take this course for credit.

ACCT 6950 - Selected Topics in Accounting (3 Credit Hours)

This is a variable content course individually designed to meet the needs, interests, and professional objectives in business administration. *May be repeated for credit.*

ADMIN BASIC LIFESAVING (ADBL)

ADBL 5211 - Basic Cardiac Life Support Training I (1 Credit Hour)

In this course the student completes the Basic Cardiac Life Support Healthcare Provider lessons according to the standards established by the American Heart Association. In addition, Augusta University Emergency Medical Protocol is reviewed. *May be repeated for credit up to 2 times.*

ADBL 5612 - Basic Cardiac Life Support Training II (1 Credit Hour)

CPRD 5002 includes BLS for Healthcare Providers (renewal course) according to the standards established by the American Heart Association and a review of Dental College of Georgia, Augusta University Emergency Medical Protocol. *May be repeated for credit up to 2 times.*

ADMIN COMMUNITY LEARNING (ADCL)

ADCL 5291 - Community Outreach I (1 Credit Hour)

This one credit hour course will run both semesters of the first year of the dental curriculum and will provide students with the opportunity to serve the oral health needs of the local community and the state in a variety of ways and venues. In the first year the students will be expected to accrue a minimum of 20 hours of public service and will receive one credit hour. (See under course requirements) What is community service? In general, community service is any unpaid/uncompensated volunteer effort that benefits the community and/or special populations. It implies a selfless act of kindness that helps those less fortunate, but can also be interpreted as being for the "higher good", that is, the service provided goes beyond the selfish needs, desires or interests of the individual who performs it. Community service could, for example, benefit the environment or homeless pets. It is not limited to populations of people. Community service is not merely work without pay. Students should check with the course director to identify the parameters for their community service requirements. *May be repeated for credit up to 2 times.*

ADCL 5492 - Community Outreach II (1 Credit Hour)

This one credit hour course will run both semesters of the first year of the dental curriculum and will provide students with the opportunity to serve the oral health needs of the local community and the state in a variety of ways and venues. In the first year the students will be expected to accrue a minimum of 20 hours of public service and will receive one credit hour. (See under course requirements) What is community service? In general, community service is any unpaid/uncompensated volunteer effort that benefits the community and/or special populations. It implies a selfless act of kindness that helps those less fortunate, but can also be interpreted as being for the "higher good", that is, the service provided goes beyond the selfish needs, desires or interests of the individual who performs it. Community service could, for example, benefit the environment or homeless pets. It is not limited to populations of people. Community service is not merely work without pay. Students should check with the course director to identify the parameters for their community service requirements. *May be repeated for credit up to 2*

times.

ADCL 5693 - Community Outreach III (1 Credit Hour)

This one credit hour course will run both semesters of the first year of the dental curriculum and will provide students with the opportunity to serve the oral health needs of the local community and the state in a variety of ways and venues. In the first year the students will be expected to accrue a minimum of 20 hours of public service and will receive one credit hour. (See under course requirements) What is community service? In general, community service is any unpaid/uncompensated volunteer effort that benefits the community and/or special populations. It implies a selfless act of kindness that helps those less fortunate, but can also be interpreted as being for the "higher good", that is, the service provided goes beyond the selfish needs, desires or interests of the individual who performs it. Community service could, for example, benefit the environment or homeless pets. It is not limited to populations of people. Community service is not merely work without pay. Students should check with the course director to identify the parameters for their community service requirements. *May be repeated for credit up to 2 times.*

ADCL 5794 - Community Outreach Clerkship I (6 Credit Hours)

These two, six-credit hour courses (Fall and Spring semesters) in the fourth year of the dental curriculum will provide students with the opportunity to serve the oral health needs of the local community and the state in a variety of ways and venues. In the fourth year the students will be expected to accrue 288 hours of community service, primarily by rotating through off-site clinics, for a total of eight weeks (12 credits). (See course requirements for options to accrue hours) The major goal of these courses is to sensitize students to the oral health needs of the state and to provide preventive, educational and clinical experience in public health community dentistry in a variety of ways at a variety of sites and to develop professionalism. *May be repeated for credit up to 2 times.*

ADCL 5895 - Community Outreach Clerkship II (6 Credit Hours)

These two 6 credit hour courses (Fall and Spring semesters) in the 4th year of the dental curriculum will provide students with the opportunity to serve the oral health needs of the local community and the state in a variety of ways and venues. In the fourth year the students will be expected to accrue 288 hours of community service, primarily by rotating through off-site clinics, for a total of 8 weeks (12 credits). (See course requirements below for options to accrue hours) The major goal of these courses is to sensitize students to the oral health needs of the state and to provide preventive, educational and clinical experience in public health community dentistry in a variety of ways at a variety of sites and to develop professionalism. *May be repeated for credit up to 2 times.*

ADMIN FOUNDATIONS (ADFD)

ADFD 5591 - Clinical Ethics and Professionalism I (1 Credit Hour)

The series of patient services courses are designed to teach students to utilize clinic time effectively and manage patient records, oral disease and infection control in a professional manner. *May be repeated for credit up to 2 times.*

ADFD 5692 - Clinical Ethics and Professionalism II (2 Credit Hours)

The series of courses are designed to teach students to utilize clinic time effectively and manage patient records, oral disease and infection control in a professional manner. *May be repeated for credit up to 2 times.*

ADFD 5793 - Clinical Ethics and Professionalism III (3 Credit Hours)

The series of courses are designed to teach students to utilize clinic time effectively and manage patient records, oral disease and infection control in a professional manner. *May be repeated for credit up to 2 times.*

ADFD 5894 - Clinical Ethics and Professionalism IV (3 Credit Hours)

The series of patient services courses are designed to teach students to utilize clinic time effectively and manage patient records, oral disease and infection control in a professional manner. *May be repeated for credit up to 2 times.*

ADMINISTRATIVE DENTISTRY – PROFESSIONAL DEVELOPMENT (ADPD)

ADPD 5101 - Professional Development Foundations I (4 Credit Hours)

Specific topics for Professional Development Foundations I will focus on American College of Dentists Core Values, ethics principles, and ethical decision making exercises as well as community service, wellness and resiliency. These concepts will be delivered through the use of online and live presentations, as well as assignments such as reading assignments, games, polls, surveys and discussions. *May be repeated for credit up to 2 times.*

ADPD 5202 - Professional Development Foundations II (2 Credit Hours)

Specific topics for Professional Development Foundations II will introduce business concepts such as budgeting, finance, scheduling, and retirement planning and will continue on leadership development and community service. These concepts will be delivered through the use of online and live presentations, as well as assignments such as reading assignments, games, polls, surveys and discussions. *May be repeated for credit up to 2 times.*

ADPD 5303 - Professional Development Foundations III (1 Credit Hour)

Specific topics for Professional Development Foundations III will focus on business, ethics, community service, and leadership concepts. These concepts will be delivered through the use of online and live presentations, as well as assignments such as reading assignments, games, polls, surveys and discussions. *May be repeated for credit up to 2 times.*

ADPD 5404 - Professional Development Foundations IV (1 Credit Hour)

Each of the Professional Development Foundations courses will give students tools to guide judgment and action for complex, novel, ethically arguable, divisive, or of public concern. Specific topics for Professional Development Foundations IV will focus on development of social awareness as well as community service. *May be repeated for credit up to 2 times.*

ADPD 5505 - Professional Development Foundations V (1 Credit Hour)

Specific topics for Professional Development Foundations V will focus on ethical decisions, development of leadership skill and practice management as well as community service. These concepts will be delivered through the use of online and live presentations, as well as assignments such as reading assignments, surveys and discussions. *May be repeated for credit up to 2 times.*

ADPD 5606 - Professional Development Foundations VI (2 Credit Hours)

Development of leadership skills, practice management, professional etiquette, community services, and service projects. These concepts are delivered through the use of online and live presentations, as well as assignments such as reading assignments, games, polls, surveys and discussions. *May be repeated for credit up to 2 times.*

ADPD 5707 - Professional Development Foundations VII (1 Credit Hour)

Specific topics for Professional Development Foundations VII will focus on applying leadership skills, presentation skills, and practice management. These concepts will be delivered through the use of online and live presentations, as well as assignments such as reading assignments, games, polls, surveys and discussions. *May be repeated for credit up to 2 times.*

ADPD 5808 - Professional Development Foundations VIII (1 Credit Hour)

Specific topics for Professional Development Foundations VIII will focus on applying leadership skills, practice management, and community as well as presentations of the Capstone projects. These concepts will be delivered through the use of online and live presentations, as well as assignments such as reading assignments, games, polls, surveys and discussions. *May be repeated for credit up to 2 times.*

ADMINISTRATIVE DENTISTRY – SPECIAL NEEDS (ADSN)**ADSN 5701 - Special Care Dentistry (1 Credit Hour)**

Provides didactic material with case presentations necessary to introduce dental students to be able to recognize and manage the most common special needs patients they will encounter in the general dental practice. Emphasis is placed on developing the skills necessary for effective communication, diagnosis, treatment planning, and delivery of dental care to dental patients that need special care.

GENERAL DENTISTRY - ADVANCED (AGDR)**AGDR 7023 - AEGD Didactics (13 Credit Hours)**

This is a seminar course designed to enable the resident to apply scientific principles to learning and oral health care. Residents develop and employ skills in outcomes-based clinical decision-making, and technology-based information retrieval to enable the practice of evidence-based dentistry and strengthen critical thinking. *May be repeated for credit up to 1 time.*

AGDR 7024 - Advanced General Dentistry Clinic - Patient Care (26 Credit Hours)

The resident acts as a primary care provider for patients who vary widely in treatment needs, demographic characteristics and overall health status in this clinical course. Residents provide emergency and multidisciplinary comprehensive oral health care that is coordinated by the general practice resident and supervising faculty. Residents perform diagnostic assessments, develop treatment plans, direct health promotion and disease prevention activities, and perform palliative and comprehensive oral health care using advanced dental treatment modalities. This course also includes rotations through AU Hospital Anesthesiology, ENT and ER clinical services as well as ACLS and conscious sedation training. *May be repeated for credit up to 1 time.*

AGDR 7033 - AEGD Didactics (13 Credit Hours)

This is a seminar course designed to enable the resident to apply scientific principles to learning and oral health care. Residents develop and employ skills in outcomes based clinical decision-making, and technology-based information retrieval to enable them to practice evidence-based dentistry and strengthen their critical thinking abilities.

AGDR 7034 - AEGD Clinic (28 Credit Hours)

This is a clinical course in which the resident acts as a primary care provider for patients who vary widely in treatment needs, demographic characteristics and overall health status. Residents provide emergency and multidisciplinary comprehensive oral health care that is coordinated by the general practice resident and supervising faculty. Residents perform diagnostic assessments, develop treatment plans, direct health promotion and disease prevention activities, and perform palliative and comprehensive oral health care using advanced dental treatment modalities.

APPLIED INFORMATION SYSTEMS AND TECHNOLOGY (AIST)**AIST 2110 - Principles of Scripting (3 Credit Hours)**

An introductory programming course that teaches core principles using a contemporary scripting

language. Students learn how to design, write, and test algorithms and basic computer programs.

Prerequisite(s): MATH 1111 >= C or MATH 1113 >= C or MATH 2011 >= C

AIST 2120 - Intermediate Scripting and Automation (3 Credit Hours)

An intermediate programming course focused on solving common Information Technology challenges interactively and automating them using a contemporary scripting language. Topics include: command line interfaces, applied data structures, structured and object-oriented script design, text processing, file management/input/output, and web service integration.

Prerequisite(s): AIST 2110 >= C or CSCI 1301 >= C

AIST 2220 - Introduction to Web Development (3 Credit Hours)

Students will be exposed to appropriate format and page layout, adding and manipulating visuals, images, and rich media, creating a navigation scheme and linking together multiple pages and sites, creating basic forms, building interactive features, and publishing/maintaining web sites. STEM GPA eligible course.

AIST 2310 - Introduction to Computer Networking (3 Credit Hours)

Introduces networking technology to include networking standards, networking media, networking hardware, access methods, network operating systems, TCP/IP basics, network security and the fundamentals of local area network and wide area network technologies.

AIST 2950 - Special Topics in Information Technology (3 Credit Hours)

A course or directed study in applied information systems and technologies. Content to be decided based upon instructor expertise and student interest. Prerequisite(s): Permission of instructor. *May be repeated for credit up to 98 times.*

AIST 3120 - Applications Programming (3 Credit Hours)

An intermediate course in programming which focuses on developing code and structures for multi-tier applied information system solutions.

Prerequisite(s): (CSCI 1301 >= C or CSCI 2120 >= C or MINF3612 >= C or AIST3410 >= C or CSCI 3410 >= C)

AIST 3310 - Advanced Networking (3 Credit Hours)

This course explores routing and switching protocols, and practical applications of enterprise network design. There is a lab component to the course.

Prerequisite(s): CYBR2600 >= C

AIST 3320 - TCP/IP Protocol Analysis (3 Credit Hours)

Introduces network packet analysis and network traffic analysis techniques. Course provides in-depth coverage of the TCP/IP protocol suite. Popular diagnostic tools are used to monitor protocols in action and to understand how the network protocols work.

Prerequisite(s): CYBR2600 >= C

AIST 3360 - Cellular and Mobile Technology (3 Credit Hours)

This course explores mobile and cellular technologies. Students will gain a solid understanding of the key principles of wireless and mobile networks including security impact and mitigation techniques.

Prerequisite(s): (CYBR2600 >= C or CSCI 3520 >= C)

AIST 3410 - Database Management Systems (3 Credit Hours)

Designing, developing, and maintaining database resources is treated, emphasizing application of established database development tools within a structured development method.

Prerequisite(s): AIST2120 >= C and AIST3610 >= C

AIST 3610 - System Analysis and Design (3 Credit Hours)

Introduces students to modern approaches for analyzing and designing information systems.

Prerequisite(s): MINF2650 >= C

AIST 3620 - Principles of Human-Computer Interaction (3 Credit Hours)

The fundamental concepts of human-computer interaction, including user interface design principles, human capabilities, interface technology, interface design methods, and interface evaluation.

Prerequisite(s): (AIST 2120 >= C and AIST 2220 >= C) or CSCI 3600 >=C

AIST 3720 - Operating System Concepts and Administration (3 Credit Hours)

An introduction to operating systems geared towards future administrators. Includes coverage of operating system roles, functions and services, hardware components, virtualization, and the installation, configuration, and administration of a secure operating system.

Prerequisite(s): AIST2120 >= C and AIST3610 >= C and CYBR2600 >= C

AIST 4620 - Cloud Analytics (3 Credit Hours)

Students learn how to use cloud services to build an enterprise platform for data analytics and machine learning. Students develop skills with cloud services that are critical for conducting an analysis of big data problems. Through a series of tutorials, demonstrations and hands-on labs, students learn how to use cloud services and build a data pipeline to source data from other systems as well as streaming data, ingest, store, process, and visualize data. Additionally, students are able to select and apply machine learning services to resolve applied analytics problems.

Prerequisite(s): AIST 3410 >= C

AIST 4710 - Virtualization in the Enterprise (3 Credit Hours)

Virtualization tools and techniques commonly used in datacenters of small and large organizations.

Technologies include, but are not limited to, server virtualization, hypervisors, data storage technologies, and data transfer technologies. Also addresses cost considerations, high availability design, systems monitoring, and security.

Prerequisite(s): AIST 3720 >= C

AIST 4720 - Enterprise System Architectures (3 Credit Hours)

A broader examination of operating systems as used in secure, large-scale enterprise environments.

Includes coverage of virtualized/hosted/cloud-based systems and services, network storage, configuration and change management, distributed authentication, and other contemporary concepts.

Prerequisite(s): AIST3720 >= C

AIST 4725 - Cyber Security in Healthcare Settings (3 Credit Hours)

This course conveys the foundational knowledge a healthcare information security and privacy practitioner (HCISPP) must understand. The course provides an in-depth look at the six domains of the HCISPP Common Body of Knowledge (CBK). Material covers the diversity of the healthcare industry, the types of technologies and information flows that require various levels of protection and the exchange of healthcare information within the industry, including relevant regulatory, compliance and legal requirements.

AIST 4740 - Cloud Operations Engineering (3 Credit Hours)

The IT infrastructure to support the operation of a modern enterprise requires orchestrating an ever-changing set of software platforms, physical and virtualized hardware, and networks in a secure and reliable fashion. This course presents the tools and processes required to configure, test, deploy, validate, manage, and monitor a large-scale, software-defined infrastructure. Topics include: configuration management, code repositories, continuous integration/deployment solutions, container orchestration, monitoring and alerting as well as end-to-end cyber security concerns.

Prerequisite(s): AIST 4120 >= C and AIST 4710 >= C and AIST 4720 >= C

AIST 4820 - Information Technology Project (3 Credit Hours)

An individual or group project in software development. Emphasizes production of complete software solutions for a businesses or non-profit client. Can be taken a maximum of two times for credit. *May be repeated for credit up to 2 times.*

Prerequisite(s): (AIST3410 >= C or CSCI 3410 >= C) and (AIST3610 >= C or CSCI 4711 >= C) and (AIST2220 >= C or MINF3618 >= C)

AIST 4950 - Special Topics in Information Technology (3 Credit Hours)

A course or directed study in applied information systems and technologies. Content to be decided based upon instructor expertise and student interest. *May be repeated for credit up to 3 times.*

AIST 4960 - Undergraduate Internship (1 to 3 Credit Hours)

An applied professional learning experience in applied information systems and technologies emphasizing faculty oversight of a directed work experience. *May be repeated for credit.*

AIST 5450 - Accelerated Introduction to Python (3 Credit Hours)

This course emphasizes analytical thinking and teaches problem solving through an introduction to basic programming structures. It covers design of well-structured algorithms using appropriate logic structures with simple data types and data structures.

AIST 6330 - System and Network Administration (3 Credit Hours)

Methods and techniques for installing, configuring, providing enterprise infrastructure, and securing server systems and networks. Intended to provide technology managers with hands-on 'active learning' with key technologies, but with a focus on illuminating common vectors of technology compromise and methods for preventing, detecting, and correcting compromised systems.

AIST 6353 - Human Factors in Information Security (3 Credit Hours)

This course investigates human factors in information security and how those factors impact security management. The human factor impacts many aspects of information security, such as password complexity, security policy formation and compliance, physical security, security education, training and awareness, and security culture. These aspects and others will be discussed from the security manager's perspective.

Cross-Leveled Course(s): AIST 8353

AIST 6355 - Information Security Policy Development (3 Credit Hours)

Overview of information security policies. Primary topics include why organizations need a well-documented information security framework, major elements of an information security policy framework, and how to successfully implement and enforce information security policies.

Prerequisite(s): AIST6510 >= C

AIST 6357 - Information Risk Management (3 Credit Hours)

Overview of information security risk management. Primary topics include information security risks, threats, vulnerabilities, information security risk assessments, and information security risk mitigation plans.

Prerequisite(s): AIST6510 >= C

AIST 6359 - Legal Issues in Information Security (3 Credit Hours)

Overview of information security legal issues. Primary topics include the legal system, laws that influence information security, and legal aspects of security and privacy in organizations.

AIST 6361 - Principles of Incident Response and Disaster Recovery (3 Credit Hours)

Overview of information security incident response and disaster recovery. Primary topics include contingency strategies, incident response methods, disaster recovery methods, and crisis management.

Prerequisite(s): AIST6510 >= C

AIST 6363 - Cloud Computing Security (3 Credit Hours)

This course focuses on building skills for understanding, assessing and solving cyber security threats within the environment of cloud computing. The course examines the methods and tools to approach cybersecurity issues and prepares for successful design and implementation of available countermeasures to help protect the operation of information systems within a cloud computing environment. This class also presents current trends and open problems related to cybersecurity within the environment of cloud computing. *May be repeated for credit up to 1 time.*

Prerequisite(s): AIST6510 >= C

AIST 6365 - Information Security Project Management (3 Credit Hours)

This course provides an integrated introduction to project management in the information security environment. Information security plays a critical role throughout the project management life cycle and is essential for achieving secure projects. Students will learn the fundamental aspects of modern project management, both managerial and technical, as well as becoming familiar with current software tools. Students will apply techniques learned to case studies and real-world applications.

Prerequisite(s): AIST6510 >= C and AIST6515 >= C

AIST 6367 - Information Security Project (3 to 6 Credit Hours)

In this course, students initiate and complete a real-life project that can be work, community, university, or experimental-based. Projects identify a real-life information security problem and work to solve that problem. Depending on the size of the project, students may work individually or within groups. Projects must be approved and guided by the instructor. *May be repeated for credit up to 2 times.*

Prerequisite(s): (AIST6510 >= C and AIST6515 >= C)

AIST 6369 - Information Security and the Global Cyber Threat Environment (3 Credit Hours)

This course introduces information security students to relevant geo-strategic topics meant to familiarize them with global cyber threat environment. The course begins with a discussion highlighting the role of WWII-era initiatives that eventually led to the development of the Internet while highlighting the role of culture and sociology in the development of technology. The course then moves to a discussion of the general vulnerabilities associated with the Internet resulting from interconnected nature of its design and introduces students to the concepts of determining "attribution" and using "deterrence" in cyberspace. Students will also be introduced to the history and organization of United States cyber offensive and defensive capabilities, as well as the U.S.'s four major adversaries in cyberspace (Russia, China, Iran, and North Korea). Finally, students will become familiar with the vulnerabilities inherent in the global supply chain, to include examples of how cyber technology has been used to attack the supply chain system.

AIST 6410 - Data Management: Databases, Informatics, Data Science (3 Credit Hours)

Exposes students to concepts and techniques of managing databases (relational and 'no SQL'), informatics (processing data for storage and retrieval), and data science (processes and systems to extract knowledge or insights from data).

AIST 6510 - Information Systems Security I (3 Credit Hours)

Along with AIST 6515, this course provides a foundation in security of information systems as articulated by (ISC)2 in its Certified Information Systems Security Professional (CISSP) common body of knowledge.

The two course sequence is also a preparation the internationally recognized CISSP certification exam.

AIST 6515 - Information Systems Security II (3 Credit Hours)

Along with AIST 6510, this course provides a foundation in security of information systems as articulated by (ISC)2 in its Certified Information Systems Security Professional (CISSP) common body of knowledge. The two course sequence is also a preparation the internationally recognized CISSP certification exam. Prerequisite(s): AIST6510 >= C

AIST 6725 - Cyber Security in Health Care Settings (3 Credit Hours)

This course focuses on building skills for understanding, assessing and solving cyber security threats within health care settings. The course examines the methods and tools to approach cyber security issues and prepares for successful design and implementation of available countermeasures to help protect the operation of the health care enterprises and to guard the confidentiality and privacy of patients' data. This class also presents current trends and open problems related to cyber security in health care settings. This class is offered online.

AIST 6900 - Introduction to Information Security Research (3 Credit Hours)

In this course, students will be introduced to methods for conducting scientific research within information security. Emphasis will be placed on research question formation, literature review, theory, data acquisition, and research methodology. Students will also be introduced to current streams of research in information security. Instructor approval required for registration.

AIST 6910 - Investigating Information Security (3 Credit Hours)

The student identifies current issues/problems in information security. Under faculty supervision, the student chooses a current issue and investigates how current research is addressing the issue. The student will write a paper describing the issue, detailing the research addressing the issue, and summarize the findings.

Prerequisite(s): AIST6510 >= C and AIST6900 >= C

AIST 6950 - Selected Topics in Information Security Management (3 Credit Hours)

This is the selected topics course for the Master of Science in Information Security Management program. Subject and course content will vary.

AIST 7100 - Data Analytics in Cybersecurity (3 Credit Hours)

Cyber threats are a major problem for organizations and being able to detect these threats is of primary importance. This course is an introduction to data analytics for cybersecurity. The course will introduce types of cyber-attacks, anomalies and their relationship to cyber threats, data analytics needed for cyber security data, methods for discovering anomalies, tools for data analytics malicious activities detection, and hands on exercises to uncover common and not-so-common challenges faced by cybersecurity researchers. Python will be utilized in this course.

Prerequisite(s): AIST6900 >= C

AIST 7110 - Qualitative Research Methods in Information Systems (3 Credit Hours)

This course gives students exposure to qualitative information systems research by reviewing high quality papers in the field. Students learn about structured and unstructured interviews, card sorting, Q-method, theory in qualitative research, mixed-methods, ethnographies, and case studies. Students also utilize machine learning for textual analysis.

Prerequisite(s): AIST6900 >= C

AIST 7120 - Quantitative Research Methods in Information Systems (3 Credit Hours)

This course focuses on building skills for understanding and applying various quantitative statistical methods commonly used in the research literature in the information systems discipline. Students will be

taught the types of quantitative data, data management, and appropriate method selection.

Prerequisite(s): AIST6900 >= C

AIST 7130 - Advanced Quantitative Research Methods in Information Systems (3 Credit Hours)

This course focuses on building skills for understanding, and applying the various quantitative statistical methods commonly used in the research literature of the information systems discipline. This course extends the set of methods to include advanced structured path model methods.

Prerequisite(s): AIST7120 >= C

AIST 7140 - Foundational Theories in Information Systems Research (3 Credit Hours)

Given that impactful information systems research often combines novelty with existing knowledge, this seminar is a combination of foundational IS theories and current research on contemporary IS phenomena. As such, this course covers foundational theories used in the information systems discipline. It then covers current topics in information systems from a theoretical approach.

AIST 7955 - Advanced Topics in Human-Centered Computing (3 Credit Hours)

Advanced topics in human-centered computing. Topics may include: qualitative and quantitative research methods in information systems, advanced quantitative research methods in information systems, foundational theories and contemporary phenomena in information systems, and extended reality systems.

AIST 8353 - Human Factors in Information Security (3 Credit Hours)

People have often been considered the weakest link in information security. No matter how well an organization uses technology to secure their systems, one click on a malware link or phone call from a scammer can cripple the organization. This course discusses human factors in information security and the psychological aspects of humans in relation to information security. Students learn how to create effective awareness, education, and training programs. The course also discusses the importance of creating a strong security culture and how to achieve security compliance with properly written security policies.

Prerequisite(s): AIST 6900 >= C; Cross-Leveled Course(s): AIST 6353

AIST 8500 - Topics in Behavioral Research (3 Credit Hours)

This course introduces PhD students to topics in behavior research. Topics are chosen by the professor and are typically guided by the professor's research expertise. Students investigate the topic through an extensive literature review, present their findings, and write a high-quality paper. Topics may vary from semester to semester as faculty vary, but each iteration will provide a similar experience based on the student learning objectives. *May be repeated for credit up to 5 times.*

ANATOMY (ANAT)

ANAT 5002 - Research Elective in Anatomy (4 to 8 Credit Hours)

To provide the student an opportunity to learn fundamental methods and experimental design in research related to cellular biology and anatomy. The research activities shall have direct relevance to the clinical interests of the student.

ANAT 5004 - Teaching Skills Elective (7 Credit Hours)

Goal: To provide an anatomy teaching opportunity for senior medical students who are interested in anatomy, anatomically intensive fields of medicine, and/or academic medicine.

ANAT 5005 - Clinical Anatomy and Teaching Skills (4 to 8 Credit Hours)

Students will: 1) review and expand anatomical knowledge relevant to a chosen field through dissection

and independent study; 2) confidently teach regional gross anatomy; 3) explain the anatomical basis of common clinical findings and clinical practice; 4) implement sound pedagogical practices when teaching trainees and communicating with colleagues, including: content expertise, organization, non-verbal communication, providing feedback, and fostering active learning; and 5) model professionalism by working together as a team.

ANAT 5085 - Essentials of Education (1 Credit Hour)

Essentials of Education is designed for students interested in teaching and assisting in summer courses or those interested in academic medicine. Students will learn from workshop style practical activities and interactions with each other. Topics include how to organize handouts and lectures, recognize and respond to various learning styles, produce coherent lectures for presentation, how to give feedback, and prepare quality exam questions.

ANAT 5086 - Forensic Medicine (1 Credit Hour)

In this age of the "hollywood-ized" forensic dramas, this course has been designed to give students a true look at the ever-growing realm of forensic medicine. Participants will trace the path of typical forensic death investigations through the various forensic disciplines that aid in the death investigation. Ultimately, students will obtain a clear picture of the team effort of forensic death investigation and victim identification.

ANAT 7010 - Human Gross Anatomy for Medical Illustration I (4 Credit Hours)

Study of the Anatomy of the Human Body as applicable to Clinical Practice. Lectures, laboratory and demonstration materials are directed studies.

Additional Course Fee: Anatomy Lab Fee - \$400 Flat Fee

ANAT 7011 - Human Gross Anatomy for Medical Illustration II (3 Credit Hours)

Study of the anatomy of the human body as applicable to clinical practice.

Prerequisite(s): ANAT7010

ANAT 7030 - Neuroscience I (3 Credit Hours)

Study of the central and peripheral nervous system as related to functional and clinical neurology.

ANAT 7040 - Graduate Neuroscience I (4 Credit Hours)

An in-depth study of the central and peripheral nervous system as related to functional and clinical neurology. Lectures are based on 18 units of the nervous system as covered in the course textbook. Laboratories consist of the study of the surface anatomy of the brain, spinal cord and peripheral nervous system. Internal structures of the brain and spinal cord are studied in coronal, sagittal and axial sections, as well as x-rays, CT-scans and MRI series. The second half of the laboratory is devoted to special dissections of nuclei, tracts and other internal structures of the brain and spinal cord.

ANAT 7300 - Human Gross Anatomy (6 Credit Hours)

Introduction to specialized areas of the macroscopic structures of the human body through the use of lectures, laboratory dissection, and demonstrations.

Prerequisite: successful completion of 2nd semester MHS course work or permission of instructor/Chair.

ANAT 8010 - Special Topics in Anatomy (1 to 4 Credit Hours)

Discussion and analysis of current research areas.

ANAT 8020 - Introduction to Research (2 Credit Hours)

Discussion and analysis of current research areas.

ANAT 8030 - Fundamentals of Vision Science (3 Credit Hours)

Prerequisites: Satisfactory completion of the first year biomedical sciences core curriculum, or permission of the course director.

This introductory course covers the fundamentals of the visual system including anatomy and development of the eye, biochemistry, cell biology and physiology of vision, general and ocular pharmacology, immunology and overview of pathology of the eye. This course is team-taught by MCG Vision Discovery Institute faculty.

ANAT 8040 - Current Topics in Vision Science (3 Credit Hours)

This course will offer students an opportunity to familiarize themselves with recent discoveries in vision research and ophthalmic disease. The forums for interaction and learning include: formal journal clubs, ophthalmology grand rounds, the Vision Discovery Institute (VDI) seminar series, and VDI monthly group meetings. The course will include interactive discussions of recently published vision science papers and current research being pursued by the enrolled students. Students will develop their skills in reading the vision research literature critically and in effective presentations of scientific and clinical information. This course is team-taught by MCG Vision Discovery Institute faculty.

ANAT 8050 - Graduate Histology (5 Credit Hours)

Prerequisite: Cell Biology, Biochemistry and/or Gross Anatomy, or permission of the course director.

The microscopic anatomy and development of all human organ systems as well as the cellular biology of various tissues and organs are taught in detail. In addition, early human development and systemic development will be considered in detail. Cellular Biology, as it relates to anatomic structure, will be presented.

ANAT 8051 - Histology for Graduate Studies I (3 Credit Hours)

This course is the first part of a comprehensive histology course that places a focus on basic structure and function of the various cells of the body incorporating basic disease mechanisms and pathologies to enhance functional understanding of histology. The course consists of lectures and complementary laboratories. During the first part of this course students will learn the basic organization and function of the cell, histology of the Musculoskeletal System and histology of the Cardiopulmonary system. This course is for two populations of students: graduate medical illustration students and graduate PhD biomedical research students who will be integrated with the first-year medical students for the entirety of the course. *May be repeated for credit up to 2 times.*

Grade Mode: Continuing Progress Courses

ANAT 8052 - Histology of Graduate Studies II (3 Credit Hours)

The purpose of this course is to act as part 2 to a continuing progress course ANAT8051 which will deliver appropriate histology content for graduate students and medical illustration students. At the end of this second part, Histology for Graduate Studies and Medical Illustration II, students will receive a grade (A,B,C,D, and F) as a result of grades accumulated from both ANAT8051 and ANAT8052. The graduate and medical illustrations students will be integrated into the histology component of the first-year medical students curriculum for the entirety of the course. Since that content is split over the fall and spring semester, graduate and medical illustration students will be required to complete both ANAT8051 and ANAT8052 to gain the credit and grade for this histology course.

This course will be required as part 2 of a graduate histology course that spans two semesters. Without this second part students would not be able to cover all of the appropriate content to be comparable to the similar ANAT8050 course that is offered in the summer semester. Another need of this course is to have a second course for students in the Cellular Biology and Anatomy PhD program and Medical Illustration program that occurs outside of the summer semester for those that cannot take the ANAT8050 course during that semester.

The need might also arise in a few years that the summer course may not be offered due to faculty retirement. The setup of this course will allow for a smooth transition if that scenario should occur. Since a very similar course already exists in the medical school curriculum, integrating the graduate and medical illustration students into that course would be a seamless transition compared to recruiting faculty to coordinate and teach in a summer course. *May be repeated for credit up to 2 times.*

Prerequisite(s): ANAT8051

ANAT 8060 - Visual Neuroscience (2 Credit Hours)

This course will cover current topics of advanced research in visual information processing. It will focus on a thematic area of research, including, but not limited to neurological deficits in vision, visual prosthesis, 3-D vision, color vision, developmental disorders of vision, commercial aspects of vision, etc. Students will read relevant literature critically and present to fellow students under faculty guidance.

ANAT 8070 - Progress in Vision Research (1 Credit Hour)

This course will cover current progress in all aspects of advanced vision research, including but not limited to, various aspects of eye development, ocular function in healthy vision, ocular disorders, dysfunction and therapies, neurological aspects of vision and visual dysfunction, rehabilitative treatments for low vision, visual prostheses, commercial and societal aspects of vision, etc. Students will read literature relevant to each upcoming seminar in both of the following two monthly seminar series of the Culver VDI: (i) the Culver VDI Group Meeting series and (ii) Culver VDI Distinguished External Speaker Seminar series, and interact with the speaker during the seminar presentation.

ANAT 8080 - Cellular Mechanisms in Development and Disease (2 Credit Hours)

This seminar course presents selected topics in the mechanisms underlying development of multi-cellular organisms. Correlations between developmental cell biology and disease/injury responses will be discussed by students and instructors using relevant journal articles.

ANAT 8090 - Current Topics in Cellular Biology (1 Credit Hour)

This course will expose graduate students in the department to cutting edge research topics in the field of Cellular Biology. There will be two student-led lectures and discussions each month on a current and/or fundamental topic in cellular biology including a background discussion on the topic, a discussion of the major research findings and a discussion of the main conclusions of the paper. This course will help students develop their skills in reading research literature critically and preparing a comprehensive discussion of the paper to their colleagues. *May be repeated for credit.*

ANAT 8120 - Investigative Techniques in Cell Biology (3 Credit Hours)

This course is designed to introduce Biomedical Sciences doctoral students to a wide array of methods used in cell biology applications. Faculty will use a mixture of lectures, demonstrations, and hands-on instruction to familiarize students with specialized methods used in their laboratories.

Prerequisite(s): (BIOM8011 >= S and BIOM8021 >= C and BIOM8022 >= C and BIOM8040 >= S and BIOM8050 >= S and BIOM8012 >= S and BIOM8033 >= C and BIOM8060 >= S and STAT7070 >= C)

ANAT 8300 - Thesis Research (1 to 12 Credit Hours)

This course requires permanent assignment to a specific lab with a faculty advisor and a defined research project. The student works under the mentorship of their faculty thesis advisor to define, develop, and carry out the basic study of a research problem of interest to both student and advisor. This course is designed to develop the experience, understanding, and skills to conduct and assess original, independent research in biomedical science. This course is typically taken more than one time and culminates in the final semester in the preparation and defense of a MS thesis. *May be repeated for credit.*

ANAT 9010 - Seminar in Cellular Biology and Anatomy (1 Credit Hour)

Forum for MCG faculty, visiting faculty, and graduate students to present their research. *May be repeated for credit.*

ANAT 9020 - Seminar in Cellular Biology and Anatomy (1 Credit Hour)

May be repeated for credit.

ANAT 9210 - Investigation of a Problem (1 to 12 Credit Hours)

The student works with individual faculty members on a specific investigative research problem. This provides an introduction to analytical techniques and the scientific method in action. *May be repeated for credit.*

credit.

ANAT 9300 - Research (1 to 12 Credit Hours)

Students work closely with their faculty thesis/dissertation advisor on an in-depth study of a research problem of interest to both student and advisor. The course culminates in the preparation of a PhD dissertation. Enrollment in this course requires official admission to candidacy. *May be repeated for credit.*

ANESTHESIOLOGY (ANES)

ANES 5002 - Anesthesiology Research Elective (4 to 8 Credit Hours)

The Department of Anesthesiology has an ongoing program in research. This area is available for student participation, depending on the student's background, and interests, as well as projects that are then current in the department. The student will attend all teaching seminars and conferences. *May be repeated for credit up to 2 times.*

Prerequisite: ANES 5011 and acceptance by Department of Anesthesiology chair

ANES 5003 - Anesthesiology Off Campus Externship (4 to 8 Credit Hours)

Clinical experience in Anesthesiology in an off-campus hospital approved by the department chair. *May be repeated for credit up to 3 times.*

ANES 5008 - Pain Management Elective (4 to 8 Credit Hours)

Closely supervised clinical experience in the management of acute and chronic pain. The experience will take place within the structure of the MCG Multidisciplinary Pain Center and the inpatient wards of the Medical College of Georgia Hospital and will include diagnosis and treatment of chronic pain and the treatment of modalities for acute pain. The student will attend all scheduled teaching seminars and conferences.

ANES 5011 - Anesthesiology Externship (4 to 8 Credit Hours)

Students are introduced to the basic principles and practice of anesthesiology and perioperative medicine.

Prerequisite(s): Senior Students Only

ANES 5014 - Respiratory Care Elective (4 to 8 Credit Hours)

The first three weeks of the rotation will focus on respiratory pathophysiology as related to the patients problems and on the appropriate treatment. Specifically, the first week involves oxygen, jet nebulizer, and chest physiology. The second and third week focus on mechanical ventilation. The last week is reserved for BLS and ACLS certification.

ANES 5015 - Anesthesia Critical Care (12 Credit Hours)

Goals: To educate and expose students to the general medical principles and management of critically ill surgical patients in the Intensive Care Unit environment. Objectives: Upon completion of the rotation, the student will have a better understanding of: 1. How to comprehend, apply and evaluate clinical information pertinent to the management of the critically ill. 2. Technical proficiency and skills required to monitor and treat the clinically ill. 3. Professional attitude and behavior needed to properly function in an ICU environment. Activities Include: 1. Daily clinical rounds to evaluate clinical conditions, laboratory and radiologic information and psychosocial needs. 2. Education presentations. 3. Participation in procedural interventions. Assessments Include: 1. Periodic evaluations of clinical proficiency, technical skills and professional behavior. 2. Comprehensive written examinations.

ANES 5016 - Anesthesiology Preceptorship (7 Credit Hours)

Must be a SW Regional Campus student

Clinical experience in Anesthesiology at an off campus hospital introducing student to the basic principles of anesthesiology; critical care medicine or pain management and development of basic knowledge for

the perioperative management of the patient.

ANES 5018 - Pediatric Anesthesia Elective (4 to 8 Credit Hours)

This elective course is designed to provide medical students in their third and fourth year of training an immersive experience in the field of Pediatric Anesthesiology. In this elective, students work with Pediatric Anesthesiologist faculty members to evaluate and manage pediatric patients perioperatively. Students are involved with the care of patients from preoperative assessment and preparation, into intraoperative care, and through to postoperative assessments. They gain experience from seeing the care of a wide range of ages and patient conditions - both stable and critically ill. Students have the opportunity to develop insight into the field of pediatric anesthesiology and to create relationships for mentorship and career development.

ANES 5086 - Elective in Anesthesiology and Perioperative Medicine (1 Credit Hour)

Students will gain exposure to the field of anesthesiology through visits and shadowing in main operating room, preop holding, post anesthesia care unit, pediatric operating room, OB, critical care, and pain clinic, as well as have some hands on skills labs for intubation and IV placement and two simulation sessions with a high fidelity sim mannequin.

ANTHROPOLOGY (ANTH)

ANTH 1102 - Introductory Anthropology (3 Credit Hours)

This is a general survey of the biological and cultural origins and development of human beings and their cultures. Based on archaeology, physical anthropology, cultural anthropology, and linguistics, this course emphasizes human adaptation through both biological and cultural evolution. Students will learn the four interrelated subfields of anthropology, have a broader perspective of how complex and diverse humans are over time, to question and understand the world through the lens of culture, and to recognize self as a global citizen.

ANTH 1105 - Introduction to Biological Anthropology (3 Credit Hours)

An examination of humans from a biological anthropology perspective. The course will introduce evolutionary theory, the origins and evolution of humanity and primates, primate behavior, and forensics. May be taken together with optional laboratory course ANTH 1105L.
Additional Course Fee: Anthropology Lab Fee - \$50 Flat Fee

ANTH 2011 - Cultural Anthropology (3 Credit Hours)

By investigating what is culture and how culture influences our lives, students will gain an appreciation and understanding of the differences and similarities in diverse societies including their own. Students will learn how to view other societies holistically, comparatively, and to see things from others' point of view. By gaining an appreciation of cultural differences, students in this class will also be more knowledgeable and better prepared for future multicultural experiences.

ANTH 2950 - Selected Topics in Anthropology (1 to 3 Credit Hours)

This introductory course examines a special topic in Anthropology. Content of the course varies.

ANTH 3001 - Methods in Cultural Anthropology (4 Credit Hours)

This course combines discussion of an overview of larger theoretical trends in cultural anthropology and provides an introduction to "doing" ethnography through the study and practice of fieldwork. In seminar-style discussions and workshop exercises, students become familiar with qualitative research practices (like participant-observation and interviewing) and types of writing (like fieldnotes and ethnography); and develop their understanding of key ideas (like intersubjectivity, reflexivity, and interpretation).

ANTH 3002 - Methods in Archaeology (4 Credit Hours)

An overview of how archaeologists use artifacts, human remains, and floral and faunal data to interpret lifeways in the past with a focus on scientific reading skills and presenting technical data in oral and written formats.

ANTH 3290 - Archaeology of the Americas (3 Credit Hours)

Examines the archaeology of the Americas from the arrival of the first peoples until European contact. Focuses on adaptations to a changing physical and social environment, including technological changes and the development of agriculture, the rise of large-scale societies and long-distance trade, and the emergence of social ranking systems. Examples are drawn primarily from North America, but may include Mesoamerican and South American case studies as well.

ANTH 3411 - Native Americans (3 Credit Hours)

This course examines the origins and cultures of native peoples of the U.S. and Canada as well as challenges that Native Americans have faced due to contact and continued interactions with Euro-Americans. Historical processes including population decline, culture change, and federal Indian policy will be considered along with modern cultural issues that affect the tribes today. Students will also be exposed to Native critiques of academic treatments of their cultures and histories.

ANTH 3535 - Medical Anthropology (3 Credit Hours)

This course is designed to introduce students to two main aspects of the health care field, the structure considerations and the cultural considerations. Structural considerations include the way that health care is organized, funded and delivered throughout the cultural considerations. Structural considerations include the ways we create meaning of concepts of health and illness and the ways in which different cultures construct notions of what it means to be healthy and sick and how to maintain healthiness. This course may be taken more than once with permission if the culture of geographic focus is significantly different. *May be repeated for credit.*

ANTH 3817 - African Cultural Issues (3 Credit Hours)

This course seeks to introduce students to an understanding of Africa that reaches beyond the sound bites and stereotypes of the evening news as well as presents the diversity among African cultures. Students will explore both northern and sub-Saharan Africa. The course will consider the impact of colonialism on the formation of contemporary Africa's geographic political, economic, social and religious landscapes. Students will debate such topics as the relevance of circumcision, polygyny, sexual education, and religious syncretism.

ANTH 3831 - Archaeology (3 Credit Hours)

A survey of world archaeology that examines the development of human culture from hominids through the emergence of complex societies. Also addresses contemporary social issues that can be approached through archaeological data.

ANTH 3841 - Biological Anthropology (3 Credit Hours)

This course will provide students with a background in human evolution from the biological and cultural standpoints by tracing behavior patterns we consider uniquely human back to non-human primates and our prehuman ancestors. The course will also consider how evolution still operates in modern human populations. Topics will include primatology, the human family tree, human variation and adaptation, and applied methods.

ANTH 3851 - Religion, Culture, and Society (3 Credit Hours)

Examines the theories about the origins of religions and how religious belief shapes and is shaped by human behavior and thought. Explores basic concepts such as ritual, myth, and symbolism through consideration of a wide range of religious practices and beliefs. Case studies may address topics such as shamanism, cults, witchcraft, magic, healing, and the social power of religion.

ANTH 3870 - Identity: Ethnicity, Gender, and Class (3 Credit Hours)

This course examines the processes through which identities are culturally constructed and experienced. The focus is on key ideas and theoretical debates surrounding race and ethnicity, gender and sexuality, and class through a cross-cultural perspective. These identities intersect with each other and with other identities such as religious, educational, parental, etc.

ANTH 4021 - Violence and Warfare (3 Credit Hours)

This course examines the reasons for and patterns of violence and war in human and non-human primate societies along with anthropological approaches to human rights issues in our current globalized society.

ANTH 4200 - Anthropology and Popular Culture (3 Credit Hours)

Using various forms of media, examine how anthropological concepts are applied to analyzing modern social issues, how archaeology has been misused in the entertainment industry and in political arenas despite the ethical concerns of professional archaeologists, and how ethical heritage management impacts museums. Media examined include investigative journalism, tv, film, and museums and historical sites. Issues examined may include human rights, cultural misrepresentations and stereotypes, the illegal antiquities trade, international heritage rights, pseudoscience, and pseudohistory.

Grade Mode: CP- Continuing Progress Courses, Normal (A, B, C, D, F), S- Satisfactory/Unsatisfactory

ANTH 4210 - Historical Archaeology (3 Credit Hours)

An overview of how written history and the archaeological record articulate to interpret material culture in the Americas since the arrival of Europeans. The roles historical archaeology plays in museums and historic preservation are also considered.

ANTH 4217 - Travelers, Migrants and Refugees (3 Credit Hours)

The purpose of this course is to explore the movement of people and the impact of that movement on home and globalization. The course will discuss the meaning of home and the reasons why people travel. Each motivation affects people's perceptions of their destination and their attachments to home. These issues are global issues as well as localized (e.g., rural to urban). Students will discuss issues such as the impact of war, HIV/AIDS, political and religious policies, tourism, religious missions, fieldwork, etc. on people's movement. The course will consider how globalization and movement impacts identity and inter- and intra-group dynamics.

ANTH 4230 - Archaeology of Death (3 Credit Hours)

Explore death and funerary customs in different cultures from prehistory to historic battlefields through examining the scientific importance of human skeletal remains and forensic anthropology.

Grade Mode: CP- Continuing Progress Courses, Normal (A, B, C, D, F), S- Satisfactory/Unsatisfactory

ANTH 4300 - Human Origins (3 Credit Hours)

Explore the origins of humans through a biological lens with consideration of current trends in paleoanthropological research. Important fossil finds and sites are used to assess the evidence of human evolution, patterns of human evolution, and the phylogenetic relationships and behavior patterns of humans and our nearest relatives.

Grade Mode: CP- Continuing Progress Courses, Normal (A, B, C, D, F), S- Satisfactory/Unsatisfactory

ANTH 4370 - Forensic Anthropology (3 Credit Hours)

Explores how to identify anatomical features of the human skeletal and how to apply these analyses in a medico-legal setting. Students learn how to interpret skeletal evidence and the context it was found in. The role of the forensic anthropologist as an expert witness is also examined.

Grade Mode: CP- Continuing Progress Courses, Normal (A, B, C, D, F), S- Satisfactory/Unsatisfactory

ANTH 4541 - Food and Culture (3 Credit Hours)

Food provides a window onto the human experience: how we find the means to survive and meet our

basic needs, how we form communities, how we give our lives meaning and express our identities. This course will consider what food, the ways we obtain and use it, and the meanings we give it tell us about being human and being in community.

ANTH 4730 - Human Osteology (3 Credit Hours)

Focuses on identifying the components of the human skeleton using proper nomenclature. Also explains bone biology and the various features and landmarks on human bones. Introduces analyzing osteometric and non-metric traits in the human skeleton that can be used in forensic identification.

Grade Mode: CP- Continuing Progress Courses, Normal (A, B, C, D, F), S- Satisfactory/Unsatisfactory

ANTH 4950 - Selected Topics (1 to 3 Credit Hours)

A special topics course designed to examine theories, methods, and issues in the field of anthropology. The particular topic of the course may vary from semester to semester. *May be repeated for credit.*

ANTH 4960 - Internship (1 to 3 Credit Hours)

A service-learning experience based in an institution or agency, the internship requires the completion of a specific task and the acquisition of specific knowledge and skills under the supervision of the university and the cooperating institution or agency. *May be repeated for credit.*

Prerequisite(s): (ANTH1102 >= C and ANTH2011 >= C or ANTH2011H >= C)

ANTH 4990 - Undergraduate Research (1 to 3 Credit Hours)

A variable content, variable credit course offered by special arrangement and intended to meet the needs of anthropology minors. Students will carry out supervised independent research in a selected area of anthropology. *May be repeated for credit.*

Prerequisite(s): (ANTH1102 >= C or ANT101 >= C) or (ANTH2011 >= C or ANTH2011H >= C or ANT201 >= C)

ANTH 5411 - Native Americans (3 Credit Hours)

This course examines the origins and cultures of native peoples of the U.S. and Canada as well as the challenges that Native Americans have faced due to contact and continued interactions with Euro-Americans. Historical processes including population decline, culture change, and federal Indian policy will be considered along with modern cultural issues that affect the tribes today. Students will also be exposed to Native critiques of academic treatments of their cultures and histories. Prerequisite(s): ANTH 1102 or ANTH 2011 or HIST 2111 or permission of instructor.

ANTH 5831 - Archaeology (3 Credit Hours)

This course will introduce students to the theories and methods used by modern archaeologists to investigate and understand the past. Prehistoric and historic examples will be used to illustrate how archaeologists use artifacts and other data to interpret the past. Students will be encouraged to think critically about the use of archaeological data and the interpretations of the past it produces.

Prerequisite(s): ANTH 1102 or ANTH 2011 or permission of instructor.

ANTH 5841 - Physical Anthropology (3 Credit Hours)

This course will provide students with a background in human evolution from the biological and cultural standpoints by tracing behavior patterns we consider uniquely human back to non-human primates and our prehuman ancestors. The course will also consider how evolution still operates in modern human populations. Topics will include primatology, the human family tree, human variation and adaptation, and applied methods. Prerequisite(s): ANTH 1102 or permission of instructor.

ANTH 5851 - Religion, Culture and Society (3 Credit Hours)

This course examines the theories about the origins of religions and how religious belief shapes and is shaped by human behavior and thought. The course will examine basic concepts such as ritual, myth, and symbolism through consideration of a wide range of religious practices and beliefs. Case studies may address topics such as shamanism, cults, witchcraft, magic, healing, and the social power of

religion. Prerequisite(s): Permission of instructor.
Prerequisite(s): (ANTH1102 or ANTH2011 or ANTH2011H)

ANTH 5870 - Identity: Sex, Gender and Class (3 Credit Hours)

This course examines the processes through which identities are culturally constructed and experienced. The focus is on key ideas and theoretical debates surrounding race and ethnicity, gender and sexuality, and class through a cross-cultural perspective. These identities intersect with each other and with other identities such as religious, educational, parental, etc. Prerequisite(s): Permission of the instructor.
Prerequisite(s): (ANTH1102 >= D or ANTH2011 >= D or ANTH2011H >= D)

ANTH 6950 - Selected Topics (1 to 3 Credit Hours)

A variable content, variable credit course intended to meet the needs of students minoring in anthropology. Offered by special arrangement. Prerequisite(s): ANTH 1102 or ANTH 2011 or permission of instructor. *May be repeated for credit.*

ANTH 1105L- Introduction to Biological Anthropology Laboratory (1 Credit Hour)

Laboratory course to accompany ANTH 1105. Students will develop safe lab practices, problem solving, and written communication skills. Co-requisite: ANTH 1105.
Corequisite(s): ANTH1105

ANTH 2011H- Honors: Cultural Anthropology (3 Credit Hours)

By investigating what is culture and how culture influences our lives, students will gain an appreciation and understanding of the differences and similarities in diverse societies including their own. Students will learn how to view other societies holistically, comparatively, and to see things from others' point of view. By gaining an appreciation of cultural differences, students in this class will also be more knowledgeable and better prepared for future multicultural experiences. This is an Honors Course.

APPLIED PUBLIC HEALTH SCIENCES (APHS)

APHS 7001 - Learning Theories in Health Professions Education (2 Credit Hours)

This course provides an introduction to general learning theories and medical education theory. The focus of this course is on the exploration of learning theories and how they apply to instructional methods and designs. By examining a variety of learning theories, students will identify a range of principles, perspectives, and tools that will be useful in understanding learning and teaching in a variety of contexts.

APHS 7002 - Determining Learning Objectives and Competencies in Health Professions Education (1 Credit Hour)

This course provides an introduction to learning objectives and learner outcomes of teaching and learning. The focus of this course is on the exploration and development of learning objectives and learner outcomes, how they influence instructional methods, assessment, and design. By examining a variety of learning objectives and learner outcomes, students will identify a range of principles, perspectives, and tools that will be useful in developing appropriate instructional engagements and assessments.

Prerequisite(s): CAHS7001 >= B

APHS 7003 - Assessment Methods in Health Professions Education (1 Credit Hour)

This online course provides a critical examination of the variety of assessments available in health professions education. Topics include but are not limited to multiple choice questions, rating scales, checklists, simulations, observations, objective structured clinical exams, essay questions, peer assessments, self-assessments, reflection, and portfolios.

Prerequisite(s): CAHS7002 >= B

APHS 7120 - Interprofessional Education and Practice (2 Credit Hours)

This course will introduce the practice of interprofessional collaborative process (IP) based on the "Core Competencies for Interprofessional Collaborative Practice". These core competencies include: collaboration, communication, values and ethics in an IP setting. Outcomes include increasing knowledge, skills/behaviors and clarifying attitudes and beliefs.

APHS 8012 - Scientific Communication and Commercialization (1 Credit Hour)

This course will develop important, concentration specific competencies: (1) communication and interpersonal skills, (2) understand and describe how science produces valuable results for public health and society in general, and (3) understand the basics of patenting and assessing the commercial potential of scientific discoveries.

APHS 8130 - Grant Writing (3 Credit Hours)

Introduces the methods of scientific and education grant writing. Explores the different sections of a grant proposal and the role of a grant reviewer. Students will be able to appreciate the importance of understanding how the missions of funding agencies determine the types of grant submissions, as well as how to write a grant based on reviewer grading criteria. The ultimate goal is to prepare the doctoral students to begin to think about what their research interests are and what types of projects they need to design to write a scientific or education grant for their doctoral training and future employment.

Prerequisite(s): APHS 8503 >= C

APHS 8503 - Research Process (4 Credit Hours)

Introduces the research process to entry level PhD students. Includes exploring the essentials of research from philosophical foundations, to framing the problem and conducting a literature review. Finally, numerous study design types and analysis are covered to provide a foundation for the students future research experiences in the program.

APHS 9001 - Advanced Topics (2 to 5 Credit Hours)

This course is designed to provide students with in-depth knowledge related to their area of proposed research that falls outside the current graduate course offerings. This course may be repeated if the topics and objectives are different. *May be repeated for credit.*

APHS 9010 - Doctoral Seminar - Research in Public Health (1 Credit Hour)

This course is intended to teach students how to critically review research publications dealing with healthcare topics. *May be repeated for credit.*

APHS 9020 - Qualitative Research Methods (3 Credit Hours)

Focuses on advanced qualitative research theory, methodology, and practice, engaging public health and health outcomes questions and settings. Techniques include interviews, observation, focus groups, and document analysis data in formal and informal public health sites. The course builds on previous experiences students have gained using qualitative data collection and analysis, with the expectation that students gain a deeper understanding of the philosophical underpinnings and practical application of these skills.

APHS 9030 - Methods in Health Outcomes Research (3 Credit Hours)

Explores how to plan and conduct rigorous health outcomes research studies at the clinic and population levels. Students learn how to formulate health outcomes research questions, design a study to investigate selected research questions, evaluate the validity and reliability of health outcomes measures, and identify appropriate statistical analyses.

APHS 9040 - Methods in Health Services Research (3 Credit Hours)

Students develop skills related to health services research, including: research logic, analytic strategies and approaches, scientific writing and scientific presentations. Students are required to propose and carry out a secondary data analysis project related to a health services research question, as well as

prepare a journal-ready paper suitable for publication in a peer-reviewed health services research journal.

APHS 9210 - Investigation of a Problem (1 to 12 Credit Hours)

The student works with individual faculty members on a specific investigative research problem. This provides an introduction to analytical techniques and the scientific method in action. It forms the basis or continuation of learning regarding a topic central to the student's focus within the program. *May be repeated for credit.*

APHS 9300 - Dissertation Research (1 to 9 Credit Hours)

Students work closely with their faculty thesis/dissertation advisor on an in-depth study of a research problem of interest to both student and advisor. This course culminates in the preparation of a PhD dissertation. Enrollment in this course requires successful pass of Dissertation Proposal (successful acceptance in to Candidacy). *May be repeated for credit.*

ARABIC (ARAB)

ARAB 1001 - Elementary Modern Standard Arabic I (4 Credit Hours)

This course covers the fundamentals of listening, speaking, reading, and writing Modern Standard Arabic in a proficiency-based classroom and introduces students to Arabic cultures. Designed for students who have never studied Written Arabic. Not open to native speakers. Heritage speakers and students who had Arabic in school should contact the Department of English and World Languages for an evaluation to determine which Arabic course best suits their current proficiency. Students must earn a C or better in order to take ARAB 1002.

ARAB 1002 - Elementary Modern Standard Arabic II (4 Credit Hours)

This course provides students with beginning level skills in speaking, listening, reading, and writing Modern Standard Arabic (MSA), building on the skills developed in ARAB 1001. The course will be taught using a communicative and student-centered approach. Not open to native speakers. Heritage speakers and students who had Arabic in high school should contact the Department of English and World Languages for an evaluation to determine which Arabic course best suits their current proficiency. Students must receive a grade of C or better in order to continue with ARAB 2001.

Prerequisite(s): ARAB 1001 >= C

ARAB 2001 - Intermediate Modern Standard Arabic I (4 Credit Hours)

This course provides students with intermediate level skills in speaking, listening, reading, and writing Modern Standard Arabic (MSA), building on the skills developed in ARAB 1002. The course will be taught using a communicative and student-centered approach. Not open to native speakers. Heritage speakers and students who had Arabic in high school should contact the Department of English and World Languages for an evaluation to determine which Arabic course best suits their current proficiency. Students must receive a grade of C or better in order to continue with ARAB 2002.

Prerequisite(s): ARAB 1002 >= C

ARAB 2002 - Intermediate Modern Standard Arabic II (4 Credit Hours)

This course provides students with intermediate level skills in speaking, listening, reading, and writing Modern Standard Arabic (MSA), building on the skills developed in ARAB 2001. The course will be taught using a communicative and student-centered approach. Not open to native speakers. Heritage speakers and students who had Arabic in high school should contact the Department of English and World Languages for an evaluation to determine which Arabic course best suits their current proficiency. Students must receive a grade of C or better in order to continue Arabic at AU.

Prerequisite(s): ARAB 2001 >= C

ARAB 2150 - Arabic for Heritage Speakers (3 Credit Hours)

This is an intensive course that combines the curriculum of elementary Arabic (ARAB 1001 and ARAB 1002) and focuses on the productive skills (speaking and writing) in Modern Standard Arabic (Fusha).

Designed for students who have acquired Arabic in informal contexts. Students are exposed intensively to grammar and vocabulary of a high register. This course is for heritage and native speakers of Arabic only. Students may not receive credit for ARAB 1001 or ARAB 1002 in addition to ARAB 2150.
Prerequisite(s): Permission of instructor.

ART (ART)

ART 1000 - Ceramics I for Non-Art Majors and Non-Art Minors (3 Credit Hours)

Students are introduced to the fundamentals of working with clay as an art medium. Through the creation of personally expressive ceramic works, they learn the structural and tactile qualities making ceramics unique and rewarding. Introductory clay bodies, glazing, hand-building, and firing techniques will be explored.

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 1001 - Oil Painting for Non-Art Majors and Non-Art Minors (3 Credit Hours)

The act of painting can be as rewarding as the resulting self-expression. Students explore painting techniques and practices such as basic use of color and application of media, developing the facility to render painterly works of art. Life models may be used (nudes and occasionally costumed). This course will not substitute for the painting course designed for art majors and art minors.

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 1002 - Photography I for Non-Art Majors and Non-Art Minors (3 Credit Hours)

In our world, image-capturing seamlessly integrates into the fabric of society. Students are introduced to compositional concerns and photographic processes as ways to enhance personal expression. Students learn both digital and film-based processes as well as digital editing through industry standard software. A limited number of digital cameras are available for rent at no charge.

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 1003 - Watercolor for Non-Art Majors (3 Credit Hours)

The free flowing, expressive qualities of watercolor make it a favorite medium of many painters. Students explore watercolor techniques in the rendering of expressive works of art. Traditional and experimental techniques using opaque and transparent watercolor media help students appreciate the incredible range of this unique medium. Life model may be used.

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 1211 - Drawing I: An Introduction to Techniques and Methods of Expression (3 Credit Hours)

Learning to draw is essential for artistic self-expression. Students explore fundamental techniques of drawing through a variety of black and white media to enhance visual communication. Emphasis is placed on drawing from observation in the depiction of space and form. Through experimentation and preliminary work, students understand drawing as a tool for creativity and concept development.

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 1520 - Two-Dimensional Design (3 Credit Hours)

Visual language is based in the elements and principles of design. Utilizing these fundamental methods of communication, students learn the creative and technical skills for creating dynamic images on a two-dimensional surface. Experimenting with a range of media, students understand the creative processes related to image making. Additionally, fundamental relationships of color theory are introduced.

Presentation and craft are stressed as a component of successful communication.

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 1530 - Three Dimensional Design (3 Credit Hours)

Working in the three-dimensional realm expands one's ability to problem solve visually and express ideas.

Students use a broad range of fabrication techniques and tools to construct works addressing the relationships of height, width and depth. Through active making and experimentation students transform materials into artistic constructs. Critique methods and vocabulary are stressed as tools to further the analysis and evaluation of art making.

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 2010 - The Marvel of Art (3 Credit Hours)

This course engages students through the exploration of a variety of traditional and new art media. Students respond to art through form and content and learn to interpret art through its relationship to world cultures. Students also recognize the values and human moral aspirations embodied in the marvels of art.

ART 2010H- Honors: The Marvel of Art (3 Credit Hours)

This course engages students through exploration of a variety of traditional and new art media. Students respond to art through form and content and learn to interpret art through its relationship to world cultures. Students also recognize the values and human moral aspirations embodied in the marvels of art. This is an honors course.

ART 2100 - Art Education, K-8; Teaching (2 Credit Hours)

Teaching methodology and projects for teaching art in the elementary school classroom.

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 2212 - Drawing II (3 Credit Hours)

Expressive mark making is developed through technique and experimentation. Students engage a variety of subject matter including the human figure with a range of media as they develop higher-level creative, expressive, interpretive, and observational skills. Building on skills developed in Drawing One, students learn anatomy and color on their journey toward self-expression.

Prerequisite(s): (ART 1211 >= C) and (ART 1520 >= C or ART 1530 >= C)

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 2611 - Art History I Learning the A's and B's of Enacting Art History (3 Credit Hours)

Core to art history is (1) the deep analysis of great works of art, coupled with (2) charting the currents and patterns of development of art through time. Through a survey of art history, students analyze patterns of art-historical unfolding while developing a knowledge of prominent works through time. Methods of formal-semiotic, iconographic, and contextual understanding are stressed. Students explore the legacy of Western classicism and neo-classicisms, with emphasis on the media of sculpture and architecture.

ART 2612 - Art History II: Charting the Historical Emergence of Modernism (3 Credit Hours)

As proficiency and knowledge in art history deepens, students come to see the crucial importance of historical inquiry for art today. Students in this course co-create with the instructor the history of art from late antiquity into the twentieth century, emphasizing pictorial media. Students explore interwoven themes through the study of great works of art, illuminating the emergence and constitution of modernism.

Prerequisite(s): ART 2611 >= C

ART 2700 - Color Experience and Theory (3 Credit Hours)

Color impacts the viewer on many levels in the expression of form and content. Students learn about color identity and relationships with an awareness of how they apply to composition and symbolism. Using additive and subtractive color processes, students express themselves through both printed and digital media.

Prerequisite(s): (ART 1520 >= C or ART 1530 >= C)

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 3000 - Humanities Studio Experience (3 Credit Hours)

The course is designed for the non-art major student desiring a studio experience. Media choice and class time must be arranged with the individual instructor. Prerequisite(s): Permission of the instructor.
May be repeated for credit.

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 3212 - Drawing II (3 Credit Hours)

Expressive mark making is developed through technique and experimentation. Students engage a variety of subject matter including the human figure with a range of media as they develop higher-level creative, expressive, interpretive, and observational skills. Building on skills developed in Drawing One, students learn anatomy and color on their journey toward self-expression.

Prerequisite(s): (ART 1211 >= C) and (ART 1520 >= C or ART 1530 >= C)

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 3213 - Drawing III: Figure Drawing (3 Credit Hours)

Studying the figure is deeply imbedded in the history of art making. In this course students learn to accurately sight and measure while making careful anatomical observations from both nude and clothed models. Continuing to build on foundational skills, students create methodical drawings from sustained poses and gestural drawings from short poses. While accuracy in proportion and scale are the basis of this course, creative expression is further developed through experimental media application and mark making.

Prerequisite(s): (ART 3212 >= C or ART 2212 >= C or ART 231 >= C)

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 3221 - Painting I for Art Majors and Art Minors (3 Credit Hours)

Painting is a contemporary medium steeped in technique and history. This course introduces many of the practices used by painters to create dynamic works of visual communication. With an emphasis on observation as a means to depict form, students use color and design to develop visually engaging aesthetic works. Through critiques and presentations, students learn painting's relevance to the history of art and its status as a contemporary art medium. Life models may be used in addition to working from still life.

Prerequisite(s): ART 1520 >= C and ART 1530 >= C and ART 1211 >= C

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 3222 - Painting II (3 Credit Hours)

Refining skills developed in Painting I, students learn a range of methods related to the manipulation of paint. Developing greater competency in using paint to render illusionistic space and content, students further understand the medium's capacity for expression. With greater compositional understanding, students become more independent, developing a personal aesthetic.

Prerequisite(s): (ART 3221 >= C or ART 241 >= C or ART 3221 >= C)

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 3231 - Photography I for Art Majors and Art Minors (3 Credit Hours)

Photographic platforms increase the artists' ability to express themselves on a scale hard to imagine. Students learn to effectively communicate through photographic processes, using both digital and film formats. Students will also gain an introduction to Photoshop as a tool for artistic expression. This course offers a limited number of digital cameras are available for rent at no charge.

Prerequisite(s): (ART 1520 >= C or ART 102 >= C) and (ART 1530 >= C or ART 103 >= C) and (ART 1211 >= C or ART 131 >= C)

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 3232 - Photography II (3 Credit Hours)

Students expand their photographic skills and process as a means of creative expression. Issues of subject, aesthetics, content and context are explored as students create a portfolio demonstrating an

understanding of photography.

Prerequisite(s): (ART 3231 >= C or ART 365 >= C)

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 3233 - Photography III (3 Credit Hours)

Translated from Greek, photography means "Painting with light". This course explores various lighting techniques in the creation of dynamic photographic imagery. Students create portfolios demonstrating a personal aesthetic.

Prerequisite(s): ART 3232 >= C

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 3234 - Photography IV (3 Credit Hours)

To successfully communicate their skill and vision to others, photographers build portfolios. Students develop a cohesive series of photographic works with a high degree of craft and individual aesthetic. This course utilizes skills and processes developed in previous courses to assist students in presenting themselves as professionals in the field.

Prerequisite(s): ART 3233 >= C

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 3251 - Printmaking I (3 Credit Hours)

Printmaking continues to be a pertinent means for visual communication in the twenty-first century.

Students learn the essentials of fundamental printmaking methods, such as serigraphy and relief.

Methods are explored as fundamental printmaking practices.

Prerequisite(s): (ART 1520 >= C or ART 102 >= C) and (ART 1530 >= C or ART 103 >= C) and (ART 1211 >= C or ART 131 >= C)

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 3261 - Water-based Media Painting (3 Credit Hours)

Basic experience in transparent watercolor. Other water-based media such as gouache or egg tempera may be introduced. Life model may be used.

Prerequisite(s): (ART 1520 >= C or ART 102 >= C) and (ART 1211 >= C or ART 131 >= C)

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 3262 - Watercolor II (3 Credit Hours)

Continuation of Watercolor I. Life model may be used.

Prerequisite(s): (ART 3261 >= C or ART 342 >= C)

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 3263 - Watercolor III (3 Credit Hours)

Advanced level instruction of Watercolor II. Life model may be used.

Prerequisite(s): ART 3262 >= C

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 3311 - Sculpture: Carving I (3 Credit Hours)

Students learn the subtractive method of carving material to create a series of sculptural forms. Using materials such as plaster, clay, and wood, students gain an understanding of a range of tools and their role in the creative process. The semester includes in-class demonstrations, time for independent work and regular group critiques designed to assist in the resolution of projects.

Prerequisite(s): (ART 1520 >= C or ART 102 >= C) and (ART 1530 >= C or ART 103 >= C) and (ART 1211 >= C or ART 131 >= C)

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 3312 - Sculpture: Advanced Carving (3 Credit Hours)

Students learn additional techniques involved in wood carving and fabrication processes. The class also

introduces students to conceptual development as creative expression. Through group and individual critiques, students articulate and analyze works of peers and professionals in the field. Students build on techniques learned in beginning carving as they further their understanding of carving and fabrication.

Prerequisite(s): (ART 3311 >= C or ART 372 >= C)

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 3313 - Sculpture: Advanced Techniques in Carving (3 Credit Hours)

Students design and fabricate a series of carved projects with a more advanced understanding of the subtractive process. During this course, students develop a personal aesthetic as they improve their carving abilities. Students develop an understanding of how the creative process and revision relate to finished projects.

Prerequisite(s): ART 3312 >= C

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 3331 - Sculpture: Figure Modeling I (3 Credit Hours)

Applied studies in proportion and articulation of the figure, using life models, typically nudes. All work from the model is a required part of the course. Materials include oil based and water based clay.

Prerequisite(s): ART 1211 >= C and ART 1520 >= C and ART 1530 >= C and ART 3401 >= C

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 3332 - Sculpture: Figure Modeling II (3 Credit Hours)

Continuation of applied studies in proportion and articulation of the human figure using life models, typically nudes. All work from the model is a required part of the course. Materials include oil-based and water-based clay.

Prerequisite(s): (ART 3331 >= C or ART 371 >= C)

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 3401 - Ceramics I for Art Majors and Art Minors (3 Credit Hours)

Ceramics is a contemporary medium which has been at the core of art making practice throughout history. Students learn the fundamentals of working with clay through a variety of methods. Through hand-building, wheel-throwing and sculptural methods, students use clay as means for artistic expression. Additionally, basic glazing and firing techniques are introduced. Students address design problems involving aesthetic value and procedure in the making of ceramic objects.

Prerequisite(s): ART 1520 >= C and ART 1530 >= C and ART 1211 >= C

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 3402 - Ceramics II (3 Credit Hours)

Students expand their individual artistic approach through more specified development of techniques and a greater emphasis on artistic vision. Emphasis is placed on material understanding, creativity and presentation. Students are more self-guided and begin developing a body of work. This course offers continued development of the skills and concepts introduced in ART 3401 with an introduction to glaze and clay formulation.

Prerequisite(s): (ART 2401 >= C or ART 223 >= C or ART 3401 >= C)

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 3403 - Ceramics III (3 Credit Hours)

Students learn more about the discipline of ceramics and how loading and firing kilns affects the final product. Advanced techniques in building and glazing help students understand ceramics as a vehicle for creative expression. Students continue the building of their personal portfolios.

Prerequisite(s): (ART 3402 >= C or ART 323 >= C)

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 3540 - Graphic Design I: Exploring Design Processes, Materials, and Methods (3 Credit Hours)

The essence of graphic design is visual communication. Students in this course will gain basic proficiencies and establish a solid understanding of graphic design methodology. With this firm foundation in place, students gain an understanding of design excellence. Additionally, students learn a range of handcrafted (analog), techniques and industry standard software while solving design problems.

Prerequisite(s): ART 1520 >= C

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 3543 - Graphic Design II: Deconstructing Typography, Lettering, and Layout (3 Credit Hours)

The organization and layout of typography significantly influence how viewers decode visual messages. Students in this course learn to utilize typographic principles including type anatomy, classification, and contrast to better encode visual information. Concepts include hierarchy of information, typographic grids, typographic literacy, layout and lettering. With these concepts, students create engaging design spaces capturing the attention of an audience while delivering an intended message.

Prerequisite(s): ART 3540 >= C

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 3545 - Illustration - From Traditional to Digital Media (3 Credit Hours)

The design process uses an array of image generation techniques to engage and communicate with the viewer. This course explores the role of illustration methodologies related to contemporary graphic design. Students learn digital and analog techniques through problem based assignments forming conceptual rich spaces. Portfolios developed in this course will include cultural, societal, and environmental contexts.

Prerequisite(s): ART 3540 >= C

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 3550 - Design Thinking: The Power of Creativity and Collaboration (3 Credit Hours)

Most aspects of contemporary life include creative competencies. Examples of these are idea development, abstract problem solving and working in groups. Design Thinking is about using creativity to find innovative solutions for human centered problems. Through project based assignments, students learn about the creative process and how it applies to all facets of life.

ART 3555 - Tactile Graphics: Printed Surface for Books and Limited Edition (3 Credit Hours)

As design is further embedded in daily printed and digital environments, tactile surfaces continue to gain importance because of the experience it creates for the viewer. A survey of techniques include paper engineering, sequential surfaces, movable type, relief, and digitally produced photopolymer plates. Each one of these processes has a unique interaction with various types of paper. Students in this course create limited edition prints exploring composition and media in the development of technical skills utilizing the wide range of tactile applications including book making. With these skills, students further develop their understanding of relationships between digital and printed artifacts.

Prerequisite(s): (ART 1520 >= C and ART 1530 >= C and ART 1211 >= C)

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 3565 - Motion Graphics: Moving Imagery and Type Motion (3 Credit Hours)

The contemporary domain of visual communication consists of a series of interactions between branded entities and users as they exist in an experience-oriented world. Motion and identity design considers characteristics of form, content, and context as they relate to an audience through a range of interactions. This class embraces design experience from different graphic spaces from motion and packaging to instillation based approaches.

Prerequisite(s): ART 3543 >= C or ART 3600 >= C
 Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 3575 - Web and Mobile Applications Environments - Intro to UX and UI Design (3 Credit Hours)

Websites and mobile applications are virtual environments connecting people across space and time. Graphic designers utilize elements including image, interaction, sound, and sequence to create dynamic spaces. This course is an introduction to the principles and elements of web and applications design, interactive spaces, and sequential graphics using type and image. Specific emphasis will be given to UX and UI Design as they are some of the most important design fields in the digital global market of today. Students will go beyond visual appearance to study subjects such as human behavior, human factors, color theory and psychology of visual perception to and accurate solutions to design problems. In addition, students explore relationships between typography, imagery and principles of interactive motion as they apply to web and mobile applications in visual communication.

Prerequisite(s): ART 3543 >= C
 Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 3600 - Animation History and Fundamentals (3 Credit Hours)

Animation is a medium with a broad array of techniques, history, and terminology. From early 2D animation to modern day CGI and video games, students will explore a worldview of fundamental animation concepts, language, and context in today's media. Using examples of animated short films through history and all over the world, students will view and discuss their impact and value to today's media landscape. Additionally, students will explore and apply key animation techniques in 2D animation, 3D animation, and stop motion.

Prerequisite(s): ART 1211 >= C
 Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 3605 - 2D Animation (3 Credit Hours)

2D animation is the art of bringing two-dimensional drawings to life through motion and performance. Students will learn and apply key 2D animation techniques in frame-by-frame and cut-out style techniques. Students will learn the principles of animation and analyze real-world movement as they engage in exercises that explore motion, timing, and performance.

Prerequisite(s): ART 1211 >= C
 Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 3610 - Previsualization (3 Credit Hours)

Every great project starts with great ideas. Previsualization is the art of conceptualizing and planning a production. Students will explore and apply techniques for the pre-visualization process, including the creation of detailed concept art and storyboards for sequential storytelling. Students will also utilize sound, editing techniques, visuals, and timing to create a finished animatic that is ready for production.

Prerequisite(s): ART 1211 >= C
 Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 3615 - 3D Modeling (3 Credit Hours)

3D modeling is the act of sculpting 3D hard surface and organic models for animation and visualization purposes. Students will apply techniques involving low-polygon game models and high-polygon detailed models. Emphasis will be placed on implementing clean topology and UVs while also sculpting appealing and accurate forms.

Prerequisite(s): ART 1211 >= C
 Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 3620 - 3D Animation (3 Credit Hours)

3D animation is the art of using three-dimensional digital forms to simulate stylized and real-world motion and performance. Students will learn and apply key 3D animation techniques, including blocking out

keyframes, animating a character rig, and splining a motion graph. Emphasis will be placed on the principles of animation and the analysis of real-world movement as they engage in exercises that explore motion, timing, and performance.

Prerequisite(s): ART 3605 >= C

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 3625 - Technical Animation and Rigging (3 Credit Hours)

Technical animation is the art of using simulations and character rigs to create compelling and accurate motion. Students will create character rigging systems that include bones, skinning, and controls.

Students will also explore simulation techniques, including particles, cloth, dynamics, and fur.

Prerequisite(s): ART 3615 >= C

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 3700 - Color Experience and Theory (3 Credit Hours)

Color impacts the viewer on many levels in the expression of form and content. Students learn about color identity and relationships with an awareness of how they apply to composition and symbolism.

Using additive and subtractive color processes, students express themselves through both printed and digital media.

Prerequisite(s): ART 1520 >= C

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 3721 - Aesthetics and Philosophy of Art: Deepening the Engagement with Art (3 Credit Hours)

Ever wonder what art is, why art matters, and why all the fuss about Beauty? Students learn in this course a transdisciplinary approach to art, enabling one to address these and related questions with depth. Beginning with integral (and related) meta-theories, students engage in meta-disciplinary considerations of the socio-cultural conditions of art, philosophy of art and aesthetics, integrative art history, and moral evaluation of artworks. The course concludes in the application of these approaches to a micro-history of early twentieth modernist and avantgardist art movements.

Prerequisite(s): ART 2612 >= C

ART 3900 - Studio Printmaking Lab (0 Credit Hours)

Printmaking Studio Lab is designed to provide studio lab access for students who have taken the beginning printmaking course and need continued access to the lab to pursue upper-level research.

Prerequisite(s): Permission must be granted by printmaking professor overseeing the studio lab to be used. *May be repeated for credit up to 98 times.*

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 3901 - Studio Photography Lab (0 Credit Hours)

Photography Studio Lab is designed to provide studio lab access for students who have taken the beginning photography course and need continued access to the lab to pursue upper-level research.

Prerequisite(s): Permission must be granted by photography professor overseeing the studio lab to be used. *May be repeated for credit up to 98 times.*

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 3902 - Studio Ceramics Lab (0 Credit Hours)

Studio Ceramics Lab is designed to provide studio lab access for students who have taken the beginning ceramics course and need continued access to the lab to pursue upper-level research. Prerequisite(s):

Permission must be granted by ceramics professor overseeing the studio lab to be used. *May be repeated for credit up to 10 times.*

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 4214 - Drawing IV (3 Credit Hours)

Continuation of the Drawing course sequence with emphasis on advanced problems. Life models, nudes

and occasionally costumed, may be used and if so are a required part of the course.

Prerequisite(s): (ART 3213 >= C or ART 331 >= C)

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 4223 - Painting III (3 Credit Hours)

In this course, students learn more advance methods related to painting. Students are encouraged to use their current skills and knowledge of painting as a stepping-stone for continued exploration. Historical and contemporary painters/issues are examined for reference. Engaging in regular discussion and critiques, students develop a higher level of awareness, skill, etc.

Prerequisite(s): (ART 3222 >= C or ART 341 >= C)

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 4224 - Painting IV (3 Credit Hours)

Students gain greater independence and develop more complex imagery in their painting projects. Using a range of applications and compositional approaches, students develop a more personal sense of creative expression. Group and individual critiques continue as an integral part of student development.

Emphasis is placed on contemporary art and criticism.

Prerequisite(s): (ART4223 >= C or ART442 >= C)

ART 4225 - Painting V (3 Credit Hours)

Students become more professionally directed as they complete their body of undergraduate work.

Discussions emphasize exhibitions, graduate programs and documentation of work.

Prerequisite(s): (ART4224 >= C or ART443 >= C)

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 4261 - Printmaking II (3 Credit Hours)

The range of visual possibilities for printmaking is vast, providing endless opportunities for artists.

Students expand their knowledge of fundamental printmaking methods by learning additional techniques such as intaglio and planographic.

Prerequisite(s): (ART 3251 >= C or ART 363 >= C)

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 4262 - Printmaking III (3 Credit Hours)

With a general understanding of print media, students work towards building personalized portfolios.

Attention is focused on developing a personal aesthetic and artistic vision through individualized exploration and discovery. Students continue to use matrices and various print methods to produce a body of work that develops a personal vision.

Prerequisite(s): ART4261 >= C

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 4263 - Printmaking IV (3 Credit Hours)

Students work toward a senior exhibition or the equivalent through highly self-directed, proposal-based projects. Students continue to investigate print media and concepts by designing projects that purposefully explore and discover methods in producing work suitable for exhibition.

Prerequisite(s): ART4262 >= C

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 4321 - Sculpture: Casting I (3 Credit Hours)

Students use both traditional and modern techniques to produce a series of cast metal sculptural forms.

They are introduced to an array of hand/power tools related to the melting, pouring, and refining of bronze and aluminum for fine art casting. In addition, students also work with wax, clay, plaster and various chemical patinas as process materials in producing finished cast artworks.

Prerequisite(s): ART 1211 >= C or ART 1520 >= C or ART 1530 >= C

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 4322 - Sculpture: Casting II (3 Credit Hours)

Students move beyond basic casting processes in creating forms that reflect a considered aesthetic/conceptual approach to using bronze and/or Aluminum as materials. Through greater involvement in metal pours, students develop an historical and technical awareness of the medium of casting.

Prerequisite(s): (ART4321 >= C or ART472 >= C)

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 4323 - Sculpture: Casting III (3 Credit Hours)

Advanced methods of metal casting/refining skills help students to create sophisticated sculptural works. Through larger-scale, self-directed projects, students explore a variety of approaches to casting such as combining materials and creating multiple copies of an original.

Prerequisite(s): ART4322 >= C

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 4331 - Sculpture: Installation I (3 Credit Hours)

Installation art is the creation of temporary sculptural artworks that function as aesthetic environments. Students create such projects using the campus as their studio. This class explores the designing and making a series of site-specific projects. Through group critiques and visual research projects, students develop awareness of audience, environment, and scale. Students will use a wide range of sculptural construction materials and approaches.

Prerequisite(s): (ART 1520 >= C or ART 102 >= C) and (ART 1530 >= C or ART 103 >= C) and (ART 1211 >= C or ART 131 >= C)

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 4332 - Sculpture: Installation II (3 Credit Hours)

Students deepen their understanding of audience, environment, and scale in the design and creation of temporary artworks on the University campus. Students experiment with multiple approaches to this genre through audience interaction, community-based projects, and social engagement to explore a range of audience responses. Students work with both actual projects and design proposals for other larger venues.

Prerequisite(s): ART4331 >= C

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 4333 - Sculpture: Installation III (3 Credit Hours)

Students explore newer trends in sculptural installation while investigating possible application to other fields such as communications, marketing, business, politics, or design. Students engage with the aesthetic environment as part of society. Projects may include internships or working with outside organizations in the designing and creation of projects.

Prerequisite(s): ART4332 >= C

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 4341 - Sculpture: Mixed Media I (3 Credit Hours)

Students work with a concept-based approach to sculpture emphasizing more than one sculptural medium and/or method within a single body of artwork. Through group critiques and material research students will identify and explore a range of materials and techniques for sculptural expression.

Prerequisite(s): (ART 1520 >= C or ART 102 >= C) and (ART 1530 >= C or ART 103 >= C) and (ART 1211 >= C or ART 131 >= C)

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 4342 - Sculpture: Mixed Media II (3 Credit Hours)

Students develop more sophisticated concept-based approaches to sculpture with an emphasis on using more than one sculptural medium and/or method within a single body of artwork. Through group critiques

and material research, students identify and explore a range of materials and techniques for sculptural expression, finding and expanding a personal aesthetic and/or approach to combining materials.

Prerequisite(s): ART4341 >= C

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 4343 - Sculpture: Mixed Media III (3 Credit Hours)

Students use advanced concept-based approaches to sculpture with an emphasis on using more than one sculptural medium and/or method within a single body of artwork. Through group critiques, material research, and self-directed selection of materials and approaches, students will create cohesive projects which reflect a multi-material aesthetic.

Prerequisite(s): ART4342 >= C

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 4404 - Ceramics IV (3 Credit Hours)

Building on the previous levels of ceramics, students are responsible for developing a personal artistic relationship to clay as an art medium. This course emphasizes more advanced firing techniques and glaze development.

Prerequisite(s): (ART 3403 >= C or ART 324 >= C)

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 4405 - Ceramics V (3 Credit Hours)

This course emphasizes an independent and personal approach to working with clay as defined and directed through individual creative endeavors and research. Students are responsible for developing personal artistic direction to clay as an art medium. This course emphasizes advanced firing techniques and glaze development.

Prerequisite(s): (ART4404 >= C or ART424 >= C)

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 4406 - Ceramics VI (3 Credit Hours)

Students pursue the development of a cohesive body of ceramic works. This course continues in the learning of advanced firing techniques and glaze development. The previous level of Ceramics class or permission of instructor. This course includes preparation for senior show.

Prerequisite(s): (ART4405 >= C or ART425 >= C)

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 4545 - Graphic Design through History: from Caves to the Computer (3 Credit Hours)

From prehistory to the digital age, visual communication has transformed with technical advancement and the evolution of the human condition. Through project-based assignments, this course explores historical relationships between social and cultural events that have shaped society and in result the field of graphic design.

Prerequisite(s): ART 1520 >= C

ART 4555 - Design Factory: Senior Project I (3 Credit Hours)

Design is about people. As a result, being a successful designer means working with clients to develop meaningful human interactions. This course is structured to emulate a real-world working relationship between a designer (the student) and a client (the instructor). The course will be conducted on a case study approach and will allow each student to initiate their Senior Design Project. While it is an exceptionally rigorous exercise, it should be looked forward to as a great opportunity to explore areas of particular interest, to flex creative muscles and to define or solidify the student's creative niche. The class is the beginning of a comprehensive project that utilizes all the skills the student has learned during the duration of their education in the program. It is recommended that the student aim the project towards their chosen discipline.

Prerequisite(s): ART 3565 >= C or ART 3575 >= C
 Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 4600 - Production Animation I (3 Credit Hours)

Production Animation simulates a real-world team environment for animated storytelling. Students will collaborate to create a complete commercial or technical visualization and a complete narrative animation. Using intermediate techniques explored in previous classes, students will work together to produce cohesive projects for their portfolio.

Prerequisite(s): ART 3620 >= C
 Additional Course Fee: Animation Class Fee - \$100 Flat Fee

ART 4605 - Look Development (3 Credit Hours)

Look Development is the art of iterating on a design to create unique and compelling aesthetics. Students will analyze and apply techniques to create unique materials, lighting, and composited renderings. Students will simulate real and stylized aesthetics to create unique visual styles.

Prerequisite(s): ART 3615 >= C
 Additional Course Fee: Animation Class Fee - \$100 Flat Fee

ART 4610 – Animation Studio (3 Credit Hours)

The animation industry is full of specialized skillsets. From rigging to performance to 3D modeling to concept art, students pick their area of concentration and focus a body of work on this. Students pitch and execute a series of projects that push them further in their chosen specialty. By the end of the course, students will have several completed pieces with polished visuals and audio to add to their portfolio.

Prerequisite(s): ART 3620 >= C
 Additional Course Fee: Animation Class Fee - \$100 Flat Fee

ART 4615 - Production Animation II (3 Credit Hours)

Production Animation simulates a real-world team environment for animated storytelling. Students will collaborate to create a complete commercial or technical visualization and a complete narrative animation. Using intermediate techniques explored in previous classes, students will work together to produce cohesive projects for their portfolio.

Prerequisite(s): ART4600 >= C and ART4610 >= C
 Additional Course Fee: Animation Class Fee - \$100 Flat Fee

ART 4620 - Art Since World War II: Exploring Modernism, Neo-Avantgardism, and Beyond (3 Credit Hours)

An understanding of art today must be grounded in the unfolding of developments since World War II. Students co-create with the instructor a detailed history of contemporary art, leading into the present moment and inclusive of globalizing trends. Late modernism, avantgardism, neovantgardism, metamodernism, cultural-postmodernism, and integral-visionary are among the currents explored in their nuance and novelty.

Prerequisite(s): ART 2612 >= C and ART 3721 >= C

ART 4640 - Raphael (3 Credit Hours)

For over three centuries Raphael was the painter who commanded perhaps the greatest awe and admiration amongst artists, patrons, and connoisseurs. Students in this course will learn why. Through in-depth study of Raphael's unparalleled pictorial inventions, students consider the enduring relevance of the art of a Renaissance painter who in his own day was venerated almost like a saint.

Prerequisite(s): ART 2612 >= C

ART 4650 - Early Renaissance Italian Painting: Pre-History of Contemporary Visual Culture (3 Credit Hours)

The transition from medieval to Renaissance ways of picturing reality has been decisive in world history,

forming a principal current of the pre-history and background of our screen technologies today. Students learn the unfolding of early Renaissance painting in Italy, when pioneering and exceptionally creative artists of the quattrocento brought forth ways of picturing the here and now anew, all the while sustaining the culture's spiritual and religious convictions about a transcendent divine. Artists studied include Masaccio, Masolino, Fra Angelico, Fra Filippo Lippi, Uccello, Castagno, Piero della Francesca, Mantegna, Botticelli, the Bellini, Ghirlandaio, and more.

Prerequisite(s): ART 2612 >= C and ART 3721 >= C

ART 4950 - Selected Topics (1 to 3 Credit Hours)

Reserved for special study of techniques and media not normally covered in regular coursework. Course may be repeated when topic varies. Prerequisite(s): Permission of instructor. *May be repeated for credit up to 3 times.*

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 4960 - Undergraduate Internship (1 to 15 Credit Hours)

An internship is a service-learning experience based in an institution or agency emphasizing the completion of a specific task and the acquisition of specific skills under the supervision of the university and the cooperating institution or agency.

ART 4961 - Undergraduate Internship: Art Museum Studies I (3 Credit Hours)

This internship provides students a general understanding of the role of an art museum, the organization of staff, and the process of developing educational programming and interpretive materials, through a series of interviews, readings, essays, and hands-on experiences.

Prerequisite(s): (ART 3950 >= C or ART 3960 >= C)

ART 4962 - Undergraduate Internship: Art Museum Studies II (3 Credit Hours)

This internship provides students an understanding of a specific role or profession within an art museum setting through a series of interviews, readings, essays, and hands-on experiences. The internship requires students to apply lessons learned during their museum studies coursework in a real-world setting, explore vocational possibilities, and develop a thorough grasp of their chosen field while receiving on-the-job training.

Prerequisite(s): ART 3950 >= C and ART 3960 >= C and ART4961 >= C

ART 4998 - Professional Practice (BA) (3 Credit Hours)

Students develop confidence, sophistication, and organizational skills as they complete undergraduate portfolios and work toward creative careers in the arts. In this capstone class, all assignments directly relate to success in art after graduation. Students produce an exit portfolio, public exhibition and artist's talk, and working documents needed to pursue professional opportunities and graduate programs in visual art.

ART 4999 - Professional Practice (BFA) (3 Credit Hours)

Students develop confidence, sophistication, and organizational skills as they complete undergraduate portfolios and work toward creative careers in the arts. In this capstone class, all assignments directly relate to success in art after graduation. Students produce an exit portfolio, public exhibition and artist's talk, and working documents needed to pursue professional opportunities and graduate programs in visual art.

ART 5100 - P-5 Methods for Teaching Art Education (3 Credit Hours)

Applying specific methodologies of teaching art to P-5 learners, specifically through age-appropriate research, planning, instruction techniques, and strategies; creative and contemporary art making; innovative concepts; and fair and authentic assessment.

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 5150 - Secondary Methods for Teaching Art Education (3 Credit Hours)

Students will be able to apply specific methodologies of teaching art to high school learners, specifically through age appropriate research, planning, instruction techniques and strategies, creative and contemporary art making, innovative concepts, and fair and authentic assessment.

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 5214 - Ideation and Expression through Drawing (3 Credit Hours)

Students engage in drawing's potential as a fine art medium. Advanced drawing- based portfolios are developed through ideation and analysis related to aesthetic and critical contexts. Students also perform reviews of the relevant literature in the field. *May be repeated for credit up to 2 times.*

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 5225 - Methods and Content through Painting (3 Credit Hours)

Students create a portfolio of work examining the formal, conceptual, critical, and technical aspects of painting. With emphasis on critical and artistic growth, students understand the contemporary and historical relevance of painting. Through a variety of critique methods and analysis of relevant works of criticism, students imbue their personal artistic pursuit with content gained from the knowledge of the medium through time. *May be repeated for credit up to 2 times.*

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 5234 - Contemporary Photographic Practices (3 Credit Hours)

Photography plays a role in almost every aspect of modern life. Students explore through technical, aesthetic, conceptual, and critical engagement, the medium of photography as a creative art form. Topics covered in this course will include mastery of using a camera, darkroom and digital printing, industry standard software, and the use of digital photography equipment. Students also evaluate historical and critical texts related to the photographic process. *May be repeated for credit up to 2 times.*

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 5263 - Creative Practices in Printmaking (3 Credit Hours)

Students create works in print media expressing a historical, philosophical, and technical understanding of the medium. Students learn techniques in printmaking and develop strategies to implement or modify these techniques to create their own body of work. Through written reviews, students articulate an understanding of critical and aesthetic writings related to the evolution of print practices. *May be repeated for credit up to 2 times.*

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 5343 - Contemporary Mixed Media (3 Credit Hours)

Students work in a variety of traditional and contemporary media and creative and technical processes in the production of a series of artworks. With an emphasis on the potential of contemporary mixed media, artworks address contextual issues such as site, spatial relationships, social settings, and the influence of visual/spatial art on social constructs. Through written reviews, students articulate an understanding of critical and aesthetic writings related to the evolution of sculptural practices. *May be repeated for credit up to 2 times.*

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 5406 - Advanced Applications of Ceramics (3 Credit Hours)

Students develop a portfolio through the exploration of clay as an expressive art medium. Responsibility is placed on the individual to find meaningful content and an effective means to express that content within the ceramic arts. Emphasis is placed on the application of clay to design problems involving aesthetic value and procedure in the making of ceramic objects. Students review the relative contexts of both the theoretical and practical aspects of succeeding as a practicing artist. *May be repeated for credit up to 2 times.*

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ART 5542 - Visual Solutions in Graphic Design (3 Credit Hours)

The interpretation of visual communication challenges perception. Students develop visual solutions integrating formal and theoretical approaches to graphic design and fine art. Utilizing contemporary methodologies to deconstruct visual language and cultural systems, students challenge perception and create artifacts that transcend space and time. *May be repeated for credit up to 2 times.*

Additional Course Fee: Studio Art Class Fee - \$100 Flat Fee

ACADEMIC SUCCESS INSTRUCTION I (ASII)
ASII 1101 - Learning for Success (1 Credit Hour)

This course is structured as an active-learning experience and is focused on the exploration and practical applications of learning theories. Students engage in content designed to promote life-long learning habits, such as learning how to learn, building and sustaining motivation, developing and applying critical and creative thinking skills, and understanding the value of goal setting. The concepts, skills, and competencies included in the course facilitate both academic and professional success.

ASII 1201 - Teaching and Learning for Peer Educators (1 Credit Hour)

This is an intensive course that is structured as an active-learning experience focused on the exploration of evidence-based practices and communication skills embedded in peer learning contexts. Students engage in a two-day conference at the beginning of term then participate in two seminars over the course of the term to review and reflect on the teaching and learning process. The content is based on the College Reading and Learning Association Tutor Training Program that is designed to promote teaching and learning skills in a peer learning context. Topics include roles and responsibilities, communication strategies, learning styles, goal setting, active listening, study skills, and ethics. The concepts, skills and competencies included in the course facilitate both academic and professional success of participants.

ASTRONOMY (ASTR)
ASTR 1000 - Introduction to the Universe (4 Credit Hours)

A survey of the universe, examining the historical origins of astronomy; the motions and physical properties of the Sun, Moon, and planets; the formation, evolution, and death of stars; and the structure of galaxies and the expansion of the universe. Prerequisite(s): Recommended but not required: MATH 1001 or MATH 1111.

Additional Course Fee: Physics/Biophysics Lab Fee - \$50 Flat Fee

BIOCHEMISTRY AND MOLECULAR BIOLOGY (BCMB)
BCMB 5002 - Research in Biochemistry and Molecular Biology (4 to 8 Credit Hours)

Provides students with the opportunity to train in basic research with direct relevance to their clinical interests. *May be repeated for credit up to 1 time.*

BCMB 7450 - Medical Biochemistry (7 Credit Hours)

Covers the chemistry and reactions of the constituents of living matter, metabolism and control mechanisms at levels of biological organization from subcellular to organism. Emphasis on medical application.

BCMB 8201 - Current Topics and Techniques in Molecular Biology (3 Credit Hours)

Elective course for advanced graduate students (2nd year and up) across departments. Students will

solve current problems in molecular biology using the various techniques.

BCMB 8300 - Thesis Research (1 to 12 Credit Hours)

This course requires permanent assignment to a specific lab with a faculty advisor and a defined research project. Students work under the mentorship of their faculty thesis advisor to define, develop, and carry out the basic study of a research problem of interest to both student and advisor. This course is designed to develop the experience, understanding, and skills to conduct and assess original, independent research in biomedical science. This course is typically taken more than one time and culminates in the final semester in the preparation and defense of a MS thesis. *May be repeated for credit.*

BCMB 8310 - Advanced Topics in Microbiology and Infectious Disease I (2 Credit Hours)

Prerequisites: SGSS8021 and SGSS8022 or approval from course director.

This is a highly focused course designed to provide students with in-depth discussions of pathogenic bacteria and associated diseases. The emphasis of the course will be on the molecular mechanisms underlying the virulence of medically important bacterial pathogens. Class time will consist of student-led lectures and discussions, facilitated by Microbiology faculty. Students will present comprehensive backgrounds of the topics of discussion, followed by critical evaluation of scientific papers taken from recent primary literature. This course will provide students both with comprehensive knowledge of bacterial pathogenesis and increased experience with reading, presenting, and critically analyzing scientific literature.

Prerequisite(s): (SGSS8021 >= C and SGSS8022 >= C)

BCMB 8320 - Advanced Topics in Microbiology and Infectious Disease II (2 Credit Hours)

Prerequisites: SGSS8021 and SGSS8022 or approval from course director.

This is a highly focused course designed to provide students with in-depth discussions of pathogenic bacteria and associated diseases. The emphasis of the course will be on the molecular mechanisms underlying the virulence of medically important bacterial pathogens. Class time will consist of student-led lectures and discussions, facilitated by Microbiology faculty. Students will present comprehensive backgrounds of the topics of discussion, followed by critical evaluation of scientific papers taken from recent primary literature. This course will provide students both with comprehensive knowledge of bacterial pathogenesis and increased experience with reading, presenting, and critically analyzing scientific literature.

Prerequisite(s): (SGSS8021 >= C and SGSS8022 >= C)

BCMB 8340 - Elements of Scientific Presentation (2 Credit Hours)

Prerequisite: Successful completion of the Biomedical Sciences core curriculum

This course will provide graduate students in the Biochemistry and Molecular Biology program with the essential skills needed to give an effective oral presentation of academic material. Instructors will both discuss and demonstrate critical issues relevant to giving seminar or lecture. The course will provide students with multiple opportunities to practice their learned presentation skills to a large audience. By peer-review of course presentations, students will be able to develop critical analysis skills as well as receive constructive feedback on their own work. On successful completion of this course, students will be experienced orators, and will be able to present their research or teaching material in a confident and effective manner. *May be repeated for credit.*

BCMB 9010 - Seminar in Biochemistry and Molecular Biology (1 Credit Hour)

Research presentations by the university's faculty, students and visiting research scientists. *May be repeated for credit.*

BCMB 9210 - Investigation of a Problem (1 to 12 Credit Hours)

The student works with individual faculty members on a specific investigative research problem. This provides an introduction to analytical techniques and the scientific method in action. *May be repeated for*

credit.

BCMB 9300 - Research (1 to 12 Credit Hours)

Students work closely with their faculty thesis/dissertation advisor on an in-depth study of a research problem of interest to both student and advisor. This course culminates in the preparation of a PhD dissertation or MS thesis. Enrollment in this course requires official admission to candidacy. *May be repeated for credit.*

Prerequisite(s): Permanent assignment to a specific lab with a faculty advisor and a defined research project

BUSINESS ETHICS FOUNDATIONS (BEFD)

BEFD 5101 - Business Ethics Foundations I (3 Credit Hours)

Being able to draw on a range of resources including professional codes, regulatory law, business principles, and ethical theories is essential to development professional behaviors. These resources will pertain to academic environment, patient care, practice management, and research. Each of the Business and Ethics Foundations courses will give students tools to guide judgment and action for complex, novel, ethically arguable, divisive, or of public concern. Specific topics for Business and Ethics Foundations I will focus on American College of Dentists Core Values, Ethics Principles, and ethical decision making exercises as well as wellness and resiliency. These concepts will be delivered through the use of online and live presentations, as well as assignments such as reading assignments, games, polls, surveys and discussions. *May be repeated for credit up to 2 times.*

BEFD 5202 - Business Ethics Foundations II (1 Credit Hour)

Being able to draw on a range of resources including professional codes, regulatory law, business principles, and ethical theories is essential to development professional behaviors. These resources will pertain to academic environment, patient care, practice management, and research. Each of the Business and Ethics Foundations courses will give students tools to guide judgment and action for complex, novel, ethically arguable, divisive, or of public concern. Specific topics for Business and Ethics Foundations II will introduce business concepts such as budgeting, finance, scheduling, and retirement planning and will continue on leadership development. These concepts will be delivered through the use of online and live presentations, as well as assignments such as reading assignments, games, polls, surveys and discussions. *May be repeated for credit up to 2 times.*

BEFD 5303 - Business Ethics Foundations III (1 Credit Hour)

Being able to draw on a range of resources including professional codes, regulatory law, business principles, and ethical theories is essential to development professional behaviors. These resources will pertain to academic environment, patient care, practice management, and research. Each of the Business and Ethics Foundations courses will give students tools to guide judgment and action for complex, novel, ethically arguable, divisive, or of public concern. Specific topics for Business and Ethics Foundations III will focus on business, ethical, and leadership concepts. These concepts will be delivered through the use of online and live presentations, as well as assignments such as reading assignments, games, polls, surveys and discussions. *May be repeated for credit up to 2 times.*

BEFD 5504 - Business Ethics Foundations IV (1 Credit Hour)

Being able to draw on a range of resources including professional codes, regulatory law, business principles, and ethical theories is essential to development professional behaviors. These resources will pertain to academic environment, patient care, practice management, and research. Each of the Business and Ethics Foundations courses will give students tools to guide judgment and action for complex, novel, ethically arguable, divisive, or of public concern. Specific topics for Business and Ethics Foundations IV will focus on development of leadership skill and practice management. These concepts will be delivered through the use of online and live presentations, as well as assignments such as reading assignments, games, polls, surveys and discussions. *May be repeated for credit up to 2 times.*

BEFD 5605 - Business Ethics Foundations V (3 Credit Hours)

Being able to draw on a range of resources including professional codes, regulatory law, business principles, and ethical theories is essential to development professional behaviors. These resources will pertain to academic environment, patient care, practice management, and research. Each of the Business and Ethics Foundations courses will give students tools to guide judgment and action for complex, novel, ethically arguable, divisive, or of public concern. Specific topics for Business and Ethics Foundations V will focus on development of leadership skills and practice management. These concepts will be delivered through the use of online and live presentations, as well as assignments such as reading assignments, games, polls, surveys and discussions. *May be repeated for credit up to 2 times.*

BEFD 5706 - Business Ethics Foundations VI (1 Credit Hour)

Being able to draw on a range of resources including professional codes, regulatory law, business principles, and ethical theories is essential to development professional behaviors. These resources will pertain to academic environment, patient care, practice management, and research. Each of the Business and Ethics Foundations courses will give students tools to guide judgment and action for complex, novel, ethically arguable, divisive, or of public concern. Specific topics will focus on applying leadership skills and practice management as well as presentations of the Capstone projects. These concepts will be delivered through the use of online and live presentations, as well as assignments such as reading assignments, games, polls, surveys and discussions. *May be repeated for credit up to 2 times.*

BEFD 5807 - Business Ethics Foundations VI (1 Credit Hour)

Being able to draw on a range of resources including professional codes, regulatory law, business principles, and ethical theories is essential to development professional behaviors. These resources will pertain to academic environment, patient care, practice management, and research. Each of the Business and Ethics Foundations courses will give students tools to guide judgment and action for complex, novel, ethically arguable, divisive, or of public concern. Specific topics for Business and Ethics Foundations VI will focus on applying leadership skills and practice management as well as presentations of the Capstone projects. These concepts will be delivered through the use of online and live presentations, as well as assignments such as reading assignments, games, polls, surveys and discussions. *May be repeated for credit up to 2 times.*

BIOLOGY (BIOL)**BIOL 1101 - Fundamentals of Biology (3 Credit Hours)**

Designed for the non-science/non-math major; topics covered include chemical foundations of biology, cell structure and function, cell division, genetics, animal organ systems and mechanisms of evolution. This course will not substitute for the BIOL 1107 course that is designed for science/math majors. Credit may not be earned for both BIOL 1101 and BIOL 1107.

Corequisite(s): BIOL1101L

BIOL 1102 - Environmental Biology (3 Credit Hours)

Designed for the non-science/non-math major; topics covered include organismal diversity and behavior, ecology, and environmental topics. This course will not substitute for the BIOL 1108K course that is designed for science/math majors. Credit may not be earned for both BIOL 1102 and BIOL 1108.

Normally offered each semester. BIOL 1101 IS NOT a prerequisite for this course.

Corequisite(s): BIOL1102L

BIOL 1107 - Principles of Biology I (3 Credit Hours)

A study of the unifying concepts of the biotic world including biochemistry, cell biology, energy and metabolism, genetics, and evolution. Credit may not be earned for both BIOL 1101 and BIOL 1107.

Normally offered each semester.

STEM GPA Eligible Course

Corequisite(s): BIOL1107L

BIOL 1108 - Principles of Biology II (3 Credit Hours)

A continuation of Biology 1107 studying the unifying concepts of the biotic world including physiological systems of both plants and animals, animal and plant diversity, animal and plant development, ecology and evolution, and animal behavior. Credit may not be earned for both BIOL 1102 and BIOL 1108.

Normally offered each semester.

STEM GPA Eligible Course

Prerequisite(s): (BIOL1107 >= C or BIOL1107H >= C) and BIOL1107L >= C; Corequisite(s): BIOL1108L

BIOL 2251 - Anatomy and Physiology I (4 Credit Hours)

This integrated lecture and laboratory course is the first course in a two-semester sequence designed to explore the biological and chemical processes underlying the structure and function of the human body at the cellular, tissue, organ, and whole-body level. Topics to be covered include, but are not limited to, biological chemistry; cellular structure and function; tissues; and the integumentary, skeletal, muscular, and nervous systems. This course includes laboratory exercises that supplement the material covered in lectures. This course is designed primarily for non-science majors, especially those pursuing majors in nursing and the allied health professions.

Prerequisite(s): (CHEM1151 >= C and CHEM1151L >= C) or (CHEM1211 >= C and CHEM1211L >= C) or (BIOL1101 >= C and BIOL1101L >= C or (BIOL1107 >= C) and BIOL1107L >= C) or (BIOL1107H >= C and BIOL1107L >= C)

Additional Course Fee: Biology Lab Fee - \$50 Flat Fee

BIOL 2252 - Anatomy and Physiology II (4 Credit Hours)

This integrated lecture and laboratory course is the second course in a two-semester sequence designed to explore the biological and chemical processes underlying the structure and function of the human body at the cellular, tissue, organ, and whole-body level. Topics to be covered include, but are not limited to, the cardiovascular, endocrine, lymphatic and immune, respiratory, digestive, urinary, and reproductive systems. Metabolism and fluid, electrolyte, and acid-base balance will also be covered. This course includes laboratory exercises that supplement the material covered in lectures. This course is designed primarily for non-science majors, especially those pursuing majors in nursing and the allied health professions.

Prerequisite(s): BIOL 2251 >= C

Additional Course Fee: Biology Lab Fee - \$50 Flat Fee

BIOL 2260 - Foundations of Microbiology (4 Credit Hours)

This integrated lecture and laboratory course provides an introduction to microbiology. This course introduces the student to the diversity and classification of medically significant microorganisms, their modes of pathogenesis and transmission, and the infectious diseases they cause. Topics to be covered include, but are not limited to, microbial cell biology and genetics; major classes of disease-causing microorganisms; host immune response; microbial control; aseptic technique; disinfection; and isolation, culture, staining, and identification of microorganisms. Select laboratory exercises will provide training in the basic laboratory techniques for culture and identification of microbes. This course is designed primarily for non-science majors, especially those pursuing majors in nursing and the allied health professions.

Prerequisite(s): (MATH 1101 >= C or MATH 1111 >= C or MAT107 >= C or MATH 1113 >= C or MATH 1001 >= C) and (BIOL1108 >= C and BIOL1108L >= C) or (BIOL1108H >= C and BIOL1108L >= C) or (BIOL2252 >= C)

Additional Course Fee: Biology Lab Fee - \$50 Flat Fee

BIOL 2950 - Special Topics in Biology (1 to 4 Credit Hours)

An examination of various biological topics with emphasis on relating biological principles to the understanding and solving of every day situations. Prerequisite(s): will vary depending upon the topics course offered. Permission of the instructor may also be required. *May be repeated for credit.*

Prerequisite(s): (BIOL1102 >= C or BIO102 >= C or BIOL1108 >= C or BIOL1108 >= K or BIOL1108H >= C) and BIOL1108L >= C

BIOL 2990 - Undergraduate Research (0 to 3 Credit Hours)

An introduction to research problems. May be taken for 0, 1, 2, or 3 hours. Normally offered each semester. Prerequisite(s): Permission of the instructor. *May be repeated for credit up to 98 times.*

BIOL 3000 - General Botany (4 Credit Hours)

Introduction to plant function and development, evolution, diversity, ecology, and economic importance. Normally offered fall and spring.

Prerequisite(s): (BIOL1108 >= C or BIOL1108 >= K or BIOL1108H >= C or BIOL102 >= C) and BIOL1108L >= C

Additional Course Fee: Biology Lab Fee - \$50 Flat Fee

BIOL 3050 - Economic Botany (4 Credit Hours)

This course focuses on the economic impact of plants, algae, and fungi and their significant roles on Earth. Student will gain knowledge, particularly in ethnobotany and the medicinal properties of the many taxa of plants. Students will investigate the different aspects of plant biotechnology and have a greater appreciation for plants, which are an essential part of nutrition and environment for all living things.

Prerequisite(s): (BIOL1108 >= C or BIOL1108 >= K or BIOL1108H >= C) and BIOL1108L >= C

Additional Course Fee: Biology Lab Fee - \$50 Flat Fee

BIOL 3100 - Zoology (4 Credit Hours)

An introduction to the morphology, physiology and life histories of representative animals with emphasis on taxonomy and systematics. STEM GPA Eligible Course

Prerequisite(s): (BIOL1108 >= C or BIOL1108 >= K or BIOL1108H >= C or BIO102 >= C) and BIOL1108L >= C

Additional Course Fee: Biology Lab Fee - \$50 Flat Fee

BIOL 3200 - Genetics (3 Credit Hours)

A detailed examination of molecular genetics, the flow and regulation of genetic information within cells, Mendelian and non-Mendelian inheritance patterns, and an introduction to genetic changes that occur in populations

STEM GPA Eligible Course.

Prerequisite(s): (BIOL1108 >= C or BIOL1108 >= K or BIOL1108H >= C) and BIOL1108L >= C and CHEM1212 >= C and CHEM1212L >= C

BIOL 3310 - Comparative Vertebrate Anatomy (4 Credit Hours)

A systematic survey of the morphology of vertebrates with emphasis on phylogenetic relationships among the major classes.

Prerequisite(s): BIOL 3100 >= C

Additional Course Fee: Biology Lab Fee - \$50 Flat Fee

BIOL 3320 - Comparative Vertebrate Physiology (4 Credit Hours)

A comprehensive study of vertebrate physiology, including adaptive mechanisms for specific environments.

Prerequisite(s): (BIOL1108 >= C or BIOL1108 >= K or BIOL1108H >= C) and BIOL1108L >= C and CHEM1212 >= C and CHEM1212L >= C

Additional Course Fee: Biology Lab Fee - \$50 Flat Fee

BIOL 3350 - Histology (4 Credit Hours)

A detailed study of tissue types and their organization in the vertebrate body. Laboratory emphasis is given to morphological detail using prepared slide material.

Prerequisite(s): (BIOL1108 >= C or BIOL1108 >= K or BIOL1108H >= C) and BIOL1108L >= C

Additional Course Fee: Biology Lab Fee - \$50 Flat Fee

BIOL 3370 - Neurobiology (3 Credit Hours)

An examination of the vertebrate nervous system, including its anatomy and physiology, the organization underlying higher brain functions, neuronal function, synaptic transmission, and neuropathology.

Prerequisite(s): BIOL1108 >= C or BIOL1108 >= K or BIOL1108H >= C

BIOL 3380 - Animal Behavior (4 Credit Hours)

Ethology is the study of how behaviors of animals in their natural environments are influenced by natural selection, learning, and the transmission of learning. This course encompasses psychology and other disciplines in the biological sciences including evolution, ecology, molecular biology, genetics, development, neurobiology, and endocrinology.

Prerequisite(s): CHEM1212 >= C and CHEM1212L >= C and (BIOL 3000 >= C or BIOL 3100 >= C)

Additional Course Fee: Biology Lab Fee - \$50 Flat Fee

BIOL 3400 - Cell Biology (3 Credit Hours)

This course will be an overview of the basic structure and function of eukaryotic cells including biological molecules, enzymes, metabolism, membrane structure and function, intracellular communication, central dogma of molecular biology, and membrane trafficking.

Prerequisite(s): (BIOL1108 >= C or BIOL1108 >= K or BIOL1108H >= C) and BIOL1108L >= C and (CHEM1212 >= C or CHM122 >= C) and CHEM1212L >= C

BIOL 3500 - Microbiology (4 Credit Hours)

An introduction to microbiology, including viruses, protozoans, fungi, prokaryotic anatomy and genetics, metabolism, growth, nutrition, immunology, biotechnology and genetic engineering, physical/chemical control and chemotherapy. Normally offered every 2-3 years. STEM GPA Eligible Course

Prerequisite(s): (BIOL1108 >= C or BIOL1108 >= K or BIOL1108H >= C) and BIOL1108L >= C and (MATH 1111 >= C or MATH 1113 >= C)

Additional Course Fee: Biology Lab Fee - \$50 Flat Fee

BIOL 3700 - Molecular Biology Laboratory (3 Credit Hours)

This course will explore the fundamental principles and basic techniques of molecular biology. The lecture portion of this course will examine the background, theory, and application of each technique, and students will develop specific questions and formulate hypothesis. In the laboratory portion, students will conduct experiments using the appropriate laboratory equipment, reagents, and techniques. Finally, students will learn to analyze, interpret, and present their data.

Prerequisite(s): (BIOL 3200 >= C or BIOL 3400 >= C)

Additional Course Fee: Biology Lab Fee - \$50 Flat Fee

BIOL 3810 - Ecotoxicology (4 Credit Hours)

This course is an introduction to the field of ecotoxicology, or the study of harmful effects of chemicals on ecosystems. The course will explore chemical movement in the environment, uptake and accumulation in organisms, as well as effects on individuals, populations and ecosystems.

Prerequisite(s): (BIOL1108 >= C or BIOL1108 >= K or BIOL1108H >= C) and BIOL1108L >= C and CHEM1212 >= C and CHEM1212L >= C

Additional Course Fee: Biology Lab Fee - \$50 Flat Fee

BIOL 3820 - Marine Pollution (4 Credit Hours)

This course introduces the student to the effects of pollutants on biota, mostly aquatic, but also the effects of biota on pollutants. By the end of the course, students should understand the principles of toxicology and ecotoxicology, eutrophication and climate change, appreciate the role of lab-based bioassays, field studies, and epidemiology, have a general understanding of risk assessment, and be able to read, understand, and evaluate primary literature in the field.

Prerequisite(s): (BIOL1108 >= C or BIOL1108 >= K or BIOL1108H >= C) and BIOL1108L >= C and CHEM1212 >= C and CHEM1212L >= C

Additional Course Fee: Biology Lab Fee - \$50 Flat Fee

BIOL 4000 - Plant Physiology (4 Credit Hours)

A detailed study of plant development and environmental responses at the cellular and biochemical level. Successful completion of Biology 3000 is recommended.

Prerequisite(s): (BIOL1108 >= C or BIOL1108 >= K or BIOL1108H >= C) and BIOL1108L >= C

Additional Course Fee: Biology Lab Fee - \$50 Flat Fee

BIOL 4100 - Principles of Ecology (4 Credit Hours)

This course is a study of the interactions among organisms and their environment. Topics covered include physiology, nutrient cycling, energy flow, trophic dynamics, populations, and community structure.

Prerequisite(s): CHEM1212 >= C and CHEM1212L >= C and (BIOL 3000 >= C or BIOL 3100 >= C or BIOL 3200 >= C or BIOL 3400 >= C)

Additional Course Fee: Biology Lab Fee - \$50 Flat Fee

BIOL 4110 - Urban Ecology (4 Credit Hours)

Urban Ecology provides an examination of the ways in which humans and other animals interact in shared and contiguous environments. Topics covered in this course include species diversity and urbanization, physical aspects of the urban climate, and integration of nature values in urban planning and design.

Prerequisite(s): (CHEM1212 >= C and CHEM1212L >= C and BIOL 3000 >= C or BIOL 3100 >= C)

Additional Course Fee: Biology Lab Fee - \$50 Flat Fee

BIOL 4120 - Community Field Ecology (4 Credit Hours)

The study of the ecological world from the community perspective. The student will gain an understanding of the patterns and processes that shape a biological community along with large-scale community phenomena and the factors that influence interactions among species.

Prerequisite(s): (BIOL 3000 >= C or BIOL 3100 >= C)

Additional Course Fee: Biology Lab Fee - \$50 Flat Fee

BIOL 4150 - Evolutionary Biology (4 Credit Hours)

This course is a study of the factors effecting change in the genetic composition of organisms.

Prerequisite(s): (BIOL1108 >= C or BIOL1108 >= K or BIOL1108H >= C or BIO102 >= C) and BIOL1108L >= C

Additional Course Fee: Biology Lab Fee - \$50 Flat Fee

BIOL 4420 - Herpetology (4 Credit Hours)

An examination of amphibians and reptiles with emphasis on their structural and functional characteristics, geographical distribution, relation to the environment, behavior, speciation, and man's interaction with them.

Prerequisite(s): BIOL 3100 >= C

BIOL 4430 - Ornithology (4 Credit Hours)

A study of taxonomy, ecology, morphology, physiology, behavior and field identification of birds.

Prerequisite(s): BIOL 3100 >= C

Additional Course Fee: Biology Lab Fee - \$50 Flat Fee

BIOL 4500 - Ichthyology (4 Credit Hours)

A treatment of the organ systems, life histories and taxonomic aspects of fishes of southeastern U.S.

Prerequisite(s): BIOL 3100 >= C

Additional Course Fee: Biology Lab Fee - \$50 Flat Fee

BIOL 4520 - Marine Biology (4 Credit Hours)

A study of marine organisms and their habitats in the Atlantic Ocean and the Gulf of Mexico. Ecosystem components are emphasized.

Prerequisite(s): BIOL 3100 >= C

Additional Course Fee: Biology Lab Fee - \$50 Flat Fee

BIOL 4540 - Marine Ecology (4 Credit Hours)

The study of the ecological world from the marine perspective. The student will gain an understanding of the patterns and processes that shape marine communities and ecosystems along with the factors that influence interactions among species in the marine environment.

Prerequisite(s): (BIOL 3000 >= C or BIOL 3100 >= C)

Additional Course Fee: Biology Lab Fee - \$50 Flat Fee

BIOL 4630 - Reproductive Physiology (4 Credit Hours)

An investigation of the physiological processes involved with the mammalian and non-mammalian reproductive systems. Topics addressed include embryological development and function of the reproductive system, conception and parturition.

Prerequisite(s): (BIOL1108 >= C or BIOL1108 >= K or BIOL1108H >= C) and BIOL1108L >= C and CHEM1212 >= C and CHEM1212L >= C

Additional Course Fee: Biology Lab Fee - \$50 Flat Fee

BIOL 4650 - Endocrinology (4 Credit Hours)

A systematic survey of the mammalian and non-mammalian endocrine systems including properties of hormones, methods of study, and regulation of physiological functions. For Biology majors, this course must be passed with a C or better.

Prerequisite(s): (BIOL1108 >= C or BIOL1108 >= K or BIOL1108H >= C) and BIOL1108L >= C and CHEM1212 >= C and CHEM1212L >= C

Additional Course Fee: Biology Lab Fee - \$50 Flat Fee

BIOL 4680 - Pathophysiology (3 Credit Hours)

Pathophysiology's focus is on pathological conditions encountered in clinical practice across the life span of patients. Emphasis is placed on the regulatory and compensatory mechanisms, signs and symptoms, appropriate diagnostic studies, as well as global concept of treatment as they relate to commonly occurring diseases.

Prerequisite(s): (BIOL1108 >= C or BIOL1108 >= K or BIOL1108H >= C) and BIOL1108L >= C and CHEM1212 >= C and CHEM1212L >= C

BIOL 4700 - Advanced Cell Biology (3 Credit Hours)

This course pursues a detailed study of membrane trafficking, the cytoskeleton, intracellular communication, gene expression and cellular differentiation, the cell cycle, and apoptosis. How these processes are regulated at the molecular level is emphasized.

Prerequisite(s): BIOL 3400 >= C; Cross-Leveled Course(s): BIOL 6700

BIOL 4720 - Principles of Pharmacology (3 Credit Hours)

This course will examine the basic principles of drug action including receptor theory, pharmacodynamics, and pharmacokinetics. The basic physiology and pathophysiology of several organ systems will be examined, and the mechanisms of action of the most commonly used drugs to treat these conditions will be studied.

Prerequisite(s): (BIOL1108 >= C or BIOL1108 >= K or BIOL1108H >= C) and BIOL1108L >= C and CHEM1212 >= C and CHEM1212L >= C

BIOL 4730 - Immunology (3 Credit Hours)

Immunology is designed to provide students with a fundamental understanding of human immune responses. Topics covered include the cells and tissues of the innate and acquired immune systems, recognition of antigen by B & T lymphocytes, development of mature lymphocyte receptors and antibody repertoires, lymphocyte activation and specificity, cell-mediated and humoral immune responses and the immune system in health and disease.

Prerequisite(s): (BIOL 3200 >= C or BIOL 3400 >= C)

BIOL 4740 - Molecular Pathogenesis (4 Credit Hours)

This course will be an examination at the molecular level of how bacteria cause disease. Topics include the immune system, sensing and responding to the environment, regulation and function of virulence factors, and antibiotics. Completion of BIOL 3500 is strongly recommended.

Prerequisite(s): (BIOL 3200 >= C or BIOL 3400 >= C)

Additional Course Fee: Biology Lab Fee - \$50 Flat Fee

BIOL 4750 - Developmental Biology (4 Credit Hours)

This course will focus on the cellular and molecular mechanisms underlying animal development.

Additionally, the course will provide students with basic experimental methods and laboratory models used in developmental biology research.

Prerequisite(s): (BIOL 3200 >= C or BIOL 3400 >= C)

Additional Course Fee: Biology Lab Fee - \$50 Flat Fee

BIOL 4780 - Molecular Carcinogenesis (3 Credit Hours)

A variable content course intended to meet the needs and interests of graduate students in selected areas of biology.

Prerequisite(s): (BIOL 3200 >= C or BIOL 3400 >= C)

BIOL 4950 - Selected Topics (1 to 10 Credit Hours)

Designed to treat areas of biology not in the normal curriculum. These courses may include Animal Behavior, Economic Botany, Introduction to Toxicology, Introductory Araneology, Neurobiology, Phycology, Plant Physiology, Principles of Human Physiology, Techniques in Biology and Wildlife and Fisheries Techniques. *May be repeated for credit.*

Prerequisite(s): (BIOL1108 >= C or BIOL1108 >= K or BIOL1108H >= C) and BIOL1108L >= C

Additional Course Fee: Biology Lab Fee - \$50 Flat Fee

BIOL 4990 - Undergraduate Research (1 to 10 Credit Hours)

An introduction to research problems. Only a single instance of the course taken for 3 or 4 hours may be counted as an elective course in the major. Additional instances of the course taken for 1, 2, 3, or 4 hours may count as upper division electives. Normally offered each semester. *May be repeated for credit.*

Prerequisite(s): (BIOL1108 >= C or BIOL1108 >= K or BIOL1108H >= C) and BIOL1108L >= C

Additional Course Fee: Biology Lab Fee - \$50 Flat Fee

BIOL 6170 - Techniques in Biomolecular Science (3 Credit Hours)

This course will introduce the main features and principles of operation of a variety of analysis techniques, but focus on the application of the technique and interpretation of data.

BIOL 6620 - Principles of Medicinal Chemistry (3 Credit Hours)

A study of the chemical interactions of the major drug classes, including those derived from natural products, with the drug targets. Drug uptake, distribution, metabolism and toxicity for the major drug classes is also studied. Students enrolled for graduate credit will be required to review scientific literature and case studies related to the course topics.

BIOL 6623 - Principles of Medicinal Chemistry Advanced Topics (1 Credit Hour)

This course is intended for graduate students who completed an appropriate advanced medicinal chemistry course as an undergraduate student. This course reviews chemical interactions of major drug classes, including bioavailability, pharmacodynamics, and pharmacokinetics. An emphasis of the course is the use of the chemical literature to understand drug classes and the relationship of drugs and drug classes to chemical structure.

Prerequisite(s): BIOL 6620 or CHEM 4620; Cross-Listed Course(s): CHEM 6623

BIOL 6680 - Pathophysiology (3 Credit Hours)

Pathophysiology's focus is on pathological conditions encountered in clinical practice across the life span of patients. Emphasis is placed on the regulatory and compensatory mechanisms, signs and symptoms, appropriate diagnostic studies, as well as global concept of treatment as they relate to commonly occurring diseases. Students enrolled for graduate credit will be required to review scientific literature and case studies related to the course topics.

BIOL 6683 - Pathophysiology - Advanced Topics (1 Credit Hour)

This course is intended for graduate students who have completed an appropriate pathophysiology course as an undergraduate. This course reviews scientific literature and case studies in pathophysiology.

Prerequisite(s): BIOL 4680 >= C

BIOL 6700 - Advanced Cell Biology (3 Credit Hours)

This course pursues a detailed study of membrane trafficking, the cytoskeleton, intracellular communication, gene expression and cellular differentiation, the cell cycle, and apoptosis. How these processes are regulated at the molecular level is emphasized.

Cross-Levelled Course(s): BIOL 4700

BIOL 6720 - Principles of Pharmacology (3 Credit Hours)

This course will examine the basic principles of drug action including receptor theory, pharmacodynamics and pharmacokinetics. The basic physiology and pathophysiology of several organ systems will be examined, and the mechanisms of action of the most commonly used drugs to treat these conditions will be studied. Students enrolled for graduate credit will be required to review scientific literature and case studies related to course topics.

BIOL 6723 - Pharmacology - Advanced Topics (1 Credit Hour)

This course is intended for graduate students who have completed an appropriate pharmacology course as an undergraduate. This course reviews scientific literature and case studies in pharmacology.

Prerequisite(s): BIOL 4720 >= C

BIOL 6780 - Molecular Carcinogenesis (3 Credit Hours)

This course will explore the cellular and molecular mechanisms of cancer development by examining the mechanisms of growth regulation of normal vs. neoplastic cells. It will include an examination of the mechanisms that are responsible for maintaining DNA fidelity, signal transduction in cell cycle regulation and apoptosis. Students enrolled for graduate credit will be required to review scientific literature and case studies related to the course topics.

BIOL 6783 - Molecular Carcinogenesis - Advanced Topics (1 Credit Hour)

This course is intended for graduate students who have completed an appropriate carcinogenesis course as an undergraduate. This course reviews scientific literature and case studies in carcinogenesis.

Prerequisite(s): BIOL 4780 >= C

BIOL 6950 - Selected Topics (1 to 4 Credit Hours)

A variable content course intended to meet the needs and interests of graduate students in selected areas of biology. In selected areas of biology we will remove the forty dollar lab fee. *May be repeated for credit up to 98 times.*

BIOL 6970 - Introduction to Research (2 Credit Hours)

Foundational activities associated with pursuing biomolecular research including safety training, completing rotation process of selecting a research mentor, establishing a thesis committee, attending seminars conducted by faculty and external speakers, and presenting a seminar on a topic appropriate to biomolecular science.

BIOL 6980 - Research Proposal Development (3 Credit Hours)

Instruction in professional writing for research proposals. Development and defense of research problem and written proposal with oral defense to thesis committee. Conducting of research pilot studies and method development appropriate to thesis research.

Prerequisite(s): BIOL6970 >= C or CHEM6970 >= C

BIOL 6990 - Biological Research (1 to 9 Credit Hours)

This course is designed to provide 1-9 hours of academic credit for graduate students engaged in research activities in the Department of Biology. Requires permission of instructor. *May be repeated for credit.*

BIOL 1101L- Fundamentals of Biology Laboratory (1 Credit Hour)

Designed for the non-science/non-math major. Through a variety of exercises and experiments students will acquire and apply skills including scientific measurements, use of basic laboratory equipment, the scientific method, data analysis, and communication of results. Credit may not be earned for both BIOL 1101L and BIOL 1107L.

Corequisite(s): BIOL1101

Additional Course Fee: Biology Lab Fee - \$50 Flat Fee

BIOL 1102L- Environmental Biology Laboratory (1 Credit Hour)

Designed for the non-science/non-math major. Through a variety of exercises and experiments students will acquire and apply skills including scientific measurements, observing demonstrations, communicating environmental topics, and joining other students on topic focused field trips.. Credit may not be earned for both BIOL 1102L and BIOL 1108L.

Corequisite(s): BIOL1102

Additional Course Fee: Biology Lab Fee - \$50 Flat Fee

BIOL 1107H- Honors: Principles of Biology I (3 Credit Hours)

A study of the unifying concepts of the biotic world including biochemistry, cell biology, energy and metabolism, physiological systems of both plants and animals, animal and plant diversity, animal and plant development, genetics, ecology and evolution, and animal behavior. Credit may not be earned for both BIOL 1101 and BIOL 1107. Normally offered each semester. This is an Honors Course.

STEM GPA Eligible Course

Corequisite(s): BIOL1107L

BIOL 1107L- Principles of Biology I Laboratory (1 Credit Hour)

Through a variety of exercises and experiments students will acquire and apply skills including scientific measurements, use of basic laboratory equipment, the scientific method, data analysis, and communication of results. STEM GPA Eligible Course

Corequisite(s): BIOL1107

Additional Course Fee: Biology Lab Fee - \$50 Flat Fee

BIOL 1108H- Honors: Principles of Biology II (3 Credit Hours)

A continuation of Biology 1107. Credit may not be earned for both BIOL 1102 and BIOL 1108. Normally offered each semester. This is an Honors Course.

STEM GPA Eligible Course

Prerequisite(s): (BIOL1107 >= C or BIOL1107H >= C) and BIOL1107L >= C; Corequisite(s): BIOL1108L

BIOL 1108L- Principles of Biology II Laboratory (1 Credit Hour)

Through a variety of exercises and activities students will examine biodiversity and how structure and function relate to the ecology of plants and animals. STEM GPA Eligible Course

Prerequisite(s): (BIOL1107 >= C or BIOL1107H >= C) and BIOL1107L >= C; Corequisite(s): BIOL1108

Additional Course Fee: Biology Lab Fee - \$50 Flat Fee

BIOMEDICAL SCIENCE (BIOM)

BIOM 8011 - Responsible Conduct of Research (1 Credit Hour)

Course will provide an overview, via lecture and discussion, of critical issues related to the responsible conduct of research. In addition, it will fulfill the requirements established by the Office of Research Integrity and the Public Health Service for ensuring that PHS-supported researchers are provided adequate instruction in conducting responsible research and ensuring integrity of the research record.

BIOM 8012 - Scientific Communications (1 Credit Hour)

Course focuses on writing and presentations skills needed for a career in biomedical sciences. It provides basic instruction in writing abstracts, curriculum vitae, and grant applications as well as how to organize and give oral scientific presentations. Also covered are basic aspects related to teaching skills needed in the biomedical classroom and laboratory.

BIOM 8021 - Biochemistry and Gene Regulation (5 Credit Hours)

One semester course includes metabolism: enzyme structure, kinetics and mechanisms; RNA, DNA, and protein biogenesis: DNA repair and recombination; cell cycle control, cancer genetics. Classroom time includes lectures, discussion, and demonstrations using traditional and alternative teaching methods.

BIOM 8022 - Molecular Cell Biology (5 Credit Hours)

One semester course focuses on the study of the cell as the fundamental structural and functional unit of which all living organisms are constructed. Cell biology serves as a bridge between molecular biology, basic biochemistry, physiology, and morphology at the gross anatomical level and is increasingly a principal area of focus for biomedical research. In this course, the properties of cells are analyzed initially by viewing the structural organization, functional interactions, and biogenesis of cellular components with particular emphasis on understanding of processes involved in regulating the specific composition and interactions of cellular organelles. This understanding forms a basis for the subsequent consideration of cell-cell interactions at the cellular and the tissue level.

BIOM 8030 - Experimental Therapeutics (2 Credit Hours)

Analysis of concepts and methods used in the discovery and validation of biomedical therapeutics. Prerequisite(s): (COGS8021 or BIOM8021 and COGS8022 or BIOM8021)

BIOM 8033 - Integrated Systems Biology (6 Credit Hours)

One semester course includes basic anatomy, physiology, and pharmacology of all the organ systems. Special topics also covered include integrated biosystems and feedback, physiological genomics, modern drug discovery, and hot research topics. Classroom time includes lectures, discussion, and demonstrations using traditional and alternative teaching methods.

BIOM 8040 - Introduction to Faculty Research (2 Credit Hours)

An introduction to all research topics currently being conducted by biomedical sciences graduate faculty.

BIOM 8050 - Introduction to Research I (2 Credit Hours)

Individualized instruction in research or core laboratories. Students should master at least one laboratory technique and become familiar with the various activities of the laboratories.

BIOM 8060 - Introduction to Research II (4 Credit Hours)

Individualized instruction in two research or core laboratories. For each laboratory, students should master at least one laboratory technique and become familiar with the various activities of the laboratory. Students will spend half of the semester in each laboratory.

Prerequisite(s): (COGS8050 >= C or BIOM8050 >= C)

BIOM 8080 - Neuroscience I (4 Credit Hours)

Prerequisites: For PhD students: Satisfactory completion of SGS 8022 Molecular Cell Biology is required. For MD/PhD students: Satisfactory completion of first two years of medical school is required.

Neuroscience I will cover the cell and molecular biology of neurons and synapses, motor systems, somatosensory, vision, audition, chemical senses, tastes and olfaction, glia and neuroimmunology, regulatory, autonomic and neuroendocrine systems.

Prerequisite(s): (COGS8022 >= C or BIOM8022 >= C)

BIOM 8085 - Fundamentals of Aging (2 Credit Hours)

As the life span and proportion of the global human population of advanced age increase, the need to understand and address the mechanism of the aging process is becoming a major public health priority. Hence, research on aging is growing exponentially. This multidisciplinary graduate course on aging is intended to convey up-to-date developments in the aging field and to prepare the students for a new era of research and targeted clinical interventions. Every class is taught by a Graduate School faculty member with relevant expertise in a given topic. In addition to the usual didactic lecture format, two or more journal-club format classes will discuss and evaluate recent research publications.

BIOM 8090 - Fundamentals of Genomic Medicine (2 Credit Hours)

This course will provide a theoretical framework for understanding the fundamental concepts of mammalian genetics, functional genomics and bioinformatics as well as advanced technical and biological tools used in today's biomedical research environment. The course will provide lectures on a wide range of classical and modern topics such as classical genetics, linkage analysis, genetic mapping, positional cloning, genomics, and bioinformatics. The focus of the course will be to understand the experimental identification of genes responsible for disease and modern applications of genomics to understanding biological processes as well as their impact on modern medicine.

Prerequisite(s): (COGS8021 or BIOM8021 and COGS8022 or BIOM8022)

BIOM 8120 - Cardiovascular Physiology and Pharmacology (3 Credit Hours)

Prerequisites: Satisfactory completion of the first year biomedical sciences core curriculum, or permission of the course director.

Integrative study of the cardiovascular system and how drugs are used to treat cardiovascular disease. Cardiac, vascular and renal physiology will be studied in detail, and also will be integrated into an overall scheme for control of the circulation. The use of drugs as cardiovascular research tools also will be interwoven into this approach.

BIOM 8130 - Scientific Grant Writing (1 Credit Hour)

Prerequisites: Satisfactory completion of the first year biomedical sciences core curriculum, or permission of the course director.

Practical course on grant writing. Specific steps in writing a grant application, from the hypothesis and specific steps through the final product, are presented and discussed as the student writes an application that will be submitted to a granting agency.

BIOM 8200 - Selected Topics (for Partial Course Enrollment) (1 to 6 Credit Hours)

This course allows graduate students enrolled in one of the Biomedical Science PhD programs to attend a subset of lectures within a given Augusta University graduate level course to earn partial course credit hours. The Graduate School will work with appropriate course directors to identify lectures, course requirements, and subsequent credit hours for the course. Each schedule is unique to the particular student. Appropriate permission and approvals must be obtained before a student can register for the course. *May be repeated for credit up to 30 hours.*

Grade Mode: Normal (A, B, C, D, F), Satisfactory/Unsatisfactory

BIOM 8215 - Fundamentals of Oncology I (2 Credit Hours)

Covers fundamental aspects of cancer biology with emphasis on the etiology, natural history, epidemiology of cancer, host-tumor relationships, immunobiology and principles of chemotherapy and

radiotherapy.

Prerequisite(s): (COGS8021 or BIOM8021 and COGS8022 or BIOM8021)

BIOM 8216 - Advanced Oncology: Challenges in Translation from Basic to Clinic (3 Credit Hours)

The objective of the course is to educate students on the clinical and translational aspects of cancer research. The course will consist of four modules, each emphasizing the principal aspects of cancer management: prevention, diagnosis and surveillance, primary treatment, and the management of recurrent cancers. Each module will be comprised of four sessions followed by four discussion classes. In cancer prevention, topics covered will be an overview of cancer prevention strategy (e.g., education, community outreach, intervention, and incentivization), dietary prevention, prevention of tobacco-related cancers, and how the efficacy of each effort is evaluated. In the cancer diagnosis and surveillance classes, emphasis will be on how cancer is detected using biochemical and genetic markers, and imaging technologies. The surveillance topics will include how clinical follow-up tests are designed, and how the landscape of diagnostic markers changes with different stages of the disease. The module on primary treatment will include how common malignant cancers are initially treated for example prostate, lung, breast and colorectal cancers. The clinicians outlining their experience and the challenges they face in their practice will teach the module on the management of recurrent cancers. Every effort will be made to involve practicing clinicians (pathologists, surgical oncologists, medical oncologists, and radiologists) along with full time research scientists.

Prerequisite(s): BIOM8215 >= B

BIOM 8230 - Biology of Proteins in Disease (2 Credit Hours)

Advanced study of protein function in cell biology and how this relates to the pathogenesis of disease.

Prerequisite(s): (COGS8021 or BIOM8021 and COGS8022 or BIOM8022 or SGSS8021 and SGSS8022)

BIOM 8240 - Introduction to Immunology and Infectious Disease (2 Credit Hours)

Basic instruction on fundamentals of immunology, microbiology, and virology.

Prerequisite(s): (COGS8021 or BIOM8021 and COGS8022 or BIOM8022)

BIOM 9210 - Investigation of a Problem (1 to 12 Credit Hours)

The student works with individual faculty members on a specific investigative research problem. This provides an introduction to analytical techniques and the scientific method in action. Prerequisites: Satisfactory completion of the first two semesters of the biomedical sciences core curriculum or permission of the course director.

BIOM 9500 - Current Topics in Translational Medicine Research (1 Credit Hour)

Instruction on how to evaluate reports in the current translational medicine literature.

BIOMEDICAL – BIOCLINICAL SEMINAR (BMBS)

BMBS 5201 - Bioclinical Seminar I (1 Credit Hour)

Clinical case histories and reports appropriate to the basic science courses currently or previously taught and correlated to the students' level of clinical expertise will be provided to the class. One group will present a case study to the rest of the class, followed by a class discussion/Q/A session. Both basic and clinical science faculty moderators will be present for the entire seminar. *May be repeated for credit up to 2 times.*

BMBS 5302 - Bioclinical Seminar II (1 Credit Hour)

This is primarily a literature-based course and students should utilize credible search engines (e.g., PubMed) to prepare for each case. In addition, they can utilize their textbooks and notes in courses completed prior to this course. *May be repeated for credit up to 2 times.*

BMBS 5403 - Bioclinical Seminar III (1 Credit Hour)

Clinical case histories and reports appropriate to the biomedical and clinical science courses currently or previously taught, and correlated to the students' level of clinical expertise, will be provided to the class. One group will present a case study to the rest of the class, followed by a class discussion session. Faculty moderators will be present for the entire seminar. *May be repeated for credit up to 2 times.*

BMBS 5504 - Bioclinical Seminar IV (1 Credit Hour)

Clinical case histories and reports appropriate to the biomedical and clinical science courses currently or previously taught, and correlated to the students' level of clinical expertise, will be provided to the class. One group will present a case study to the rest of the class, followed by a class discussion session. Faculty moderators will be present for the entire seminar. *May be repeated for credit up to 2 times.*

BIOMEDICAL – CRANIOFACIAL COMPLEX (BMCC)**BMCC 5201 - Craniofacial Complex (6 Credit Hours)**

The course provides students with the foundation and up-to-date knowledge of the development and functional anatomy of the craniofacial complex. The course of craniofacial complex also presents anatomical basis of common clinical problems that affect the craniofacial complex, prenatal and postnatal insults to the development of human craniofacial complex and how these lead to abnormalities that require treatment. In addition, the course describes the basics of advanced imaging in the form of cone beam computed tomography (CBCT), explain important challenging concepts in dental radiography, and provides students with anatomical basis of interpretation of normal and pathological radiological features. Lectures correlate the development and anatomy of the craniofacial complex to clinical problems, and also tie the regional approach of laboratory anatomy to systemic physiological anatomy. Students dissect the head region and the superficial and deep structures of the neck region. Models and movies of prosected materials supplement the cadaver dissection. *May be repeated for credit up to 2 times.*

Additional Course Fee: Anatomy Lab Fee - \$400 Flat Fee

BIOMEDICAL – CRANIOFACIAL DEVELOPMENT (BMCD)**BMCD 5201 - Craniofacial Development (2 Credit Hours)**

This course will cover human development, with a focus on the head and neck structures, and clinical correlations. *May be repeated for credit up to 2 times.*

BIOMEDICAL – CARDIOVASCULAR (BMCR)**BMCR 5301 - Cardiovascular and Renal Systems (5 Credit Hours)**

This course emphasizes the anatomical organization and pathological disorders of Cardiovascular and Renal systems. Dissection, models and movies of prosected material are used to study the human body on a systemic basis. Pathologic disorders, congenital anomalies and neoplastic entities, are presented. Clinicopathologic correlations along with case-based scenarios are emphasized. For this purpose, some clinical problems will be provided for discussion in the lecture room. Students are encouraged to read the clinical case and try to answer the questions before they attend the lecture. *May be repeated for credit up to 2 times.*

BIOMEDICAL – DENTAL AND MEDICAL (BMDM)**BMDM 5601 - Frontiers in Dental/Medical Science I (1 Credit Hour)**

Cutting edge topics of relevance to dentistry and medicine will be highlighted through presentation of recent basic, translational and clinical research. Each session will be followed by a discussion of the topic

and its impact on dental practice. *May be repeated for credit up to 2 times.*

BMDM 5702 - Frontiers in Dental/Medical Science II (1 Credit Hour)

Cutting edge topics of relevance to dentistry and medicine will be highlighted through presentation of recent basic, translational and clinical research. Each session will be followed by a discussion of the topic and its impact on dental practice. *May be repeated for credit up to 2 times.*

BIOMEDICAL – EVIDENCE-BASED (BMEB)

BMEB 5101 - Biomedical Evidence-Based Dentistry (3 Credit Hours)

A small group, problem-based learning course that gives students the tools they need to understand how to conduct research, to develop into lifelong learners and to learn presentation skills. It is comprised of several learning modules, consisting of a brief orientation by the faculty, then followed by self-paced learning by the students in randomly generated small groups. There is only one mid-term online quiz to evaluate progression on general concepts given during class, and there is only one final 10-minute presentation after the development of a VIRTUAL research proposal (and the execution with virtual data analysis) by each team. The ultimate goal is to provide specific tools for the dental student to become a lifelong learner dentist (with a clear understanding of evidence-based dentistry and the scientific method) with a fundamental critical approach to the dental literature. *May be repeated for credit up to 2 times.*

BIOMEDICAL – ENDOCRINE (BMEN)

BMEN 5201 - Endocrine System (3 Credit Hours)

This is a course designed to present the endocrine system to dental students covering the histology, gross anatomy, physiology, pathology and pharmacology of the system, with special emphasis on concepts and principles related to dental practice. While the course discusses the endocrine system to provide dental students with integrated knowledge of the functional systems of the human body, it also covers specific topics unique to dental practice such as, pregnancy gingivitis, dental complications of diabetes and the relationship between calcium homeostasis and alveolar bone loss. *May be repeated for credit up to 2 times.*

BIOMEDICAL – FOUNDATIONS (BMFN)

BMFN 5101 - Biomedical Foundations I (4 Credit Hours)

Cutting edge topics of relevance to dentistry and medicine will be highlighted through presentation of recent basic, translational and clinical research. Each session will be followed by a discussion of the topic and its impact on dental practice. *May be repeated for credit up to 2 times.*

BMFN 5102 - Biomedical Foundations II (4 Credit Hours)

This course presents lectures on microbiology and immunology including microbial physiology, metabolism, genetics, Pharmacology and mechanisms of pathogenesis and basic principles of immunology and immunological responses. Further, current materials presented in this course will provide information concerning the fundamental processes of the oral micro flora and the underlying principles of host defense which are critical to the students in dental medicine and dentistry in general. *May be repeated for credit up to 2 times.*

BIOMEDICAL – GASTROENTEROLOGY AND HEPATOLOGY (BMGH)

BMGH 5301 - Gastrointestinal and Hepatobiliary Systems (3 Credit Hours)

This course is designed to present the histology, gross anatomy, physiology, pathology and pharmacology of the gastrointestinal and hepatobiliary system to dental students, with special emphasis on relevance to dental practice. *May be repeated for credit up to 2 times.*

BIOMEDICAL – HOST DEFENSES (BMHD)

BMHD 5101 - Host Defense, Pathogenesis and Management of Infection (5 Credit Hours)

This course presents lectures on microbiology, immunology and pharmacology. Mechanisms of bacterial pathogenesis, clinical features and diagnosis of bacterial, viral, rickettsial, and mycotic infections, particularly those that present with oral manifestations are discussed, along with host immunological responses and infection control. The students will be provided with a working understanding of pharmacology and pharmacotherapeutics of antimicrobials as applied to dental practice. *May be repeated for credit up to 2 times.*

BIOMEDICAL – HEMOTOPOIETIC (BMHS)

BMHS 5401 - Hematopoietic System (2 Credit Hours)

A comprehensive study of the hematopoietic system, including the development, structure and function of the hematopoietic system cells and tissues, and the associated abnormalities. Students learn about the roles of bone marrow, thymus, spleen and liver in the production and function of blood cells, as well as the clotting system. The use of blood transfusions, tissue transplantation and laboratory methods for measuring hematopoietic system functions is presented. These topics are followed by discussion of clinically important disorders of blood cells, hemostasis, and hematopoietic organs, including deficiencies and neoplasias, and the pharmacologic management of conditions pertaining to this system. In order to enhance understanding of the system and the clinical implications of abnormalities for dental patients, students apply didactic information in case-based seminars that emphasize oral and maxillofacial manifestations. The Bioclinical Seminar is also used for analysis of cases relevant to the topics covered in this course. *May be repeated for credit up to 2 times.*

BIOMEDICAL – MUSCULOSKELETAL (BMMS)

BMMS 5301 - Integumentary and Musculoskeletal Systems (2 Credit Hours)

The course provides students with the basis of knowledge related to the anatomical organization, physiology and pathology of the skin and musculoskeletal system. This course provides lectures, laboratories and clinical conferences on the histology, anatomy and pathology of the skin and musculoskeletal system with highlighting the Physiology related to this system. This course provides dental students with an integrated knowledge of the functional systems with a special emphasis placed on concepts and principles specifically related to dental practice. In addition, the course includes Lectures correlate the anatomy and pathology of the musculoskeletal system to clinical problems, and also tie the regional approach of laboratory anatomy to systemic physiological anatomy. Students dissect the back region, axilla and upper extremities. Models, movies and X-rays of prosected materials supplement the cadaver dissection. Scope: Anatomy, histology, physiology and pathology related to skin and musculoskeletal system. *May be repeated for credit up to 2 times.*

BMMS 5402 - Integumentary and Musculoskeletal Systems II (2 Credit Hours)

The course provides students with the basis of knowledge related to the anatomical organization, physiology and pathology of the skin and musculoskeletal system. This course provides lectures, laboratories and clinical conferences on the histology, anatomy and pathology of the skin and musculoskeletal system with highlighting the Physiology related to this system. This course provides dental students with an integrated knowledge of the functional systems with a special emphasis placed on concepts and principles specifically related to dental practice. In addition, the course includes lectures that correlate the anatomy and pathology of the musculoskeletal system to clinical problems, and also tie the regional approach of laboratory anatomy to systemic physiological anatomy. Students dissect the back region, axilla and upper extremities. Models, movies and X-rays of prosected materials supplement the cadaver dissection. Scope: Anatomy, histology, physiology and pathology related to skin and musculoskeletal system. *May be repeated for credit up to 2 times.*

BIOMEDICAL – NERVOUS SYSTEM AND NEUROLOGY (BMNN)

BMNN 5101 - Nervous System and Neuroscience (4 Credit Hours)

Introduces the basic structure and function of the nervous system through lectures and laboratories. This is an integrated course aimed at the study of the structure and function of the Nervous System. It includes selected subjects from Neuroembryology, Neurocytology, Neurophysiology, Neuropathology, Neurology, and Neuropharmacology. *May be repeated for credit up to 2 times.*

BMNN 5202 - Applied Neuropharmacology for Dentistry (4 Credit Hours)

This course is dedicated to central nervous system (CNS) pharmacology. It includes discussion of pharmacological properties of medications that are indicated for the management of pain and anxiety in dentistry and prescription writing exercises for such medications. Further, pharmacological management of chronic orofacial pain disorders will be discussed. In addition, pharmacological properties of medications that are used for treatment of seizure disorders, depression and psychiatric disorders as well as treatment of Parkinsonism is covered. Other topics include: drug abuse, CNS stimulants, and pharmacological properties of general anesthetic agents. *May be repeated for credit up to 2 times.*

BIOMEDICAL – NUTRITION (BMNT)

BMNT 5101 - Nutrition and Community Health (1 Credit Hour)

This course is designed to provide all entering first year dental students with the introduction and overview of basic concepts in health promotion and community health. In this course, current USDA nutrition guidelines are discussed, various aspects of nutritional counseling with patients are addressed. Major nutritional problems encountered in the clinical practice of dentistry are discussed. A philosophy of wellness emphasizes health promotion and disease prevention as an integral component of dental practice. A total of 28 hours of lectures, seminar and community service activities are provided so that students will gain the necessary knowledge and skill regarding the philosophy, modalities, rationale and evaluation of oral health promotion and disease prevention activities in community and public health. *May be repeated for credit up to 2 times.*

BIOMEDICAL – ORAL MICROENVIRONMENT (BMOM)

BMOM 5101 - Introduction to the Oral Microenvironment (5 Credit Hours)

In this module, the student will learn the microscopic structure of mineralized tissues of the oral cavity and how the structure reflects on the oral micro-environment. *May be repeated for credit up to 2 times.*

BIOMEDICAL – RESPIRATORY (BMRS)

BMRS 5301 - Respiratory System (3 Credit Hours)

In this module, the student will learn the essential histology, gross anatomy, physiology, pathology, and pharmacology of the respiratory system with special emphasis placed on dental relevance. *May be repeated for credit up to 2 times.*

BIOMEDICAL SYSTEMS ENGINEERING (BMSE)**BMSE 1901 - Introduction to Biomedical System Engineering (3 Credit Hours)**

This course presents an introduction to the systems engineering process and the development lifecycle as a foundation for solving complex problems in the health care setting. The course focuses on the systems engineering lifecycle process that includes design, concurrent engineering, software engineering, and the concepts of reliability, maintainability, and availability. The course also includes a review of Model-Based Systems Engineering (MBSE) methodologies.

BMSE 2101 - Overview of Health Systems and Processes (3 Credit Hours)

This course is to introduce you to the fundamental organization, behavior, financing, and challenges of the health system of the United States. The course treats the entire edifice of American health care as "the American health system," and intends to examine it in toto, including by comparing it to other national health systems, and in part, by examining critical components of the system.

Prerequisite(s): BMSE1901 >= C

BMSE 2201 - Biomedical Visualization (3 Credit Hours)

This course is an introduction to 3-D biomedical visualization. Various technologies are introduced, including UltraSound, MRI, CAT scans, PET scans, etc. Students will learn about spatial data structures, computational geometry and solid modeling with applications in 3-D molecular and anatomical modeling.

Prerequisite(s): CSCI 1301 >= C

BMSE 3101 - Biomechanics (3 Credit Hours)

An introduction to mechanical properties of biological tissues and organs. Analysis of deformation and dynamics through the application of simple static, dynamic and kinematic models.

Prerequisite(s): PHYS2211 >= C and MATH 2012 >= C

BMSE 3201 - Biomedical Signal Processing (3 Credit Hours)

Fundamental principles and applications of noninvasive imaging modalities in medicine (X-rays, tomography, magnetic resonance, ultrasound); computer methods and algorithms for image processing, enhancement and analysis.

Prerequisite(s): ENGR2060 >= C and MATH 3020 >= C

BMSE 3202 - Biomedical Applications of AI + ML (3 Credit Hours)

This course covers the fundamentals of heuristic problem-solving using search techniques, knowledge representation, and expert systems. It includes a survey of machine learning with a focus on biomedical information systems.

Prerequisite(s): CSCI 1301 >= C

BMSE 3501 - Biomedical System Security (3 Credit Hours)

Review of cybersecurity concerns in the healthcare field. Students learn about healthcare computer security, security threats, network vulnerabilities, access controls, HIPAA, and ways to prepare for cyberattacks.

Prerequisite(s): BMSE 2101 >= C and CYBR 2600 >= C

BMSE 3601 - Biomedical Instrumentation (3 Credit Hours)

Analysis and design of biomedical instrumentation including electronics, laboratory sensors, biopotentials,

amplifiers, measurement systems and safety.

Prerequisite(s): PHYS3011 >= C

BMSE 3602 - Biomedical Data Analytics (3 Credit Hours)

Exploration of data science knowledge needed in the biomedical field including an overview of biomedical data science and exploration of tools and programming languages used in analytics.

Prerequisite(s): MATH 3250 >= C

BMSE 3901 - Modeling and Simulation of Biomedical Systems (3 Credit Hours)

The general field of biomedical engineering is reviewed with the introduction of conservation and modeling concepts. Introduction of computational systems biology, including the modeling process, various types of models, standard analysis and simulation of systems, and applications in real-world biological systems.

Prerequisite(s): BIOL 2251 >= C and MATH 3250 >= C

BMSE 4601 - Biomedical Imaging (3 Credit Hours)

An introduction to biomedical imaging concepts and modalities including the underlying physical principles involving magnetic resonance, acoustic energy, and electromagnetic radiation. General principles of imaging (image quality, sampling, etc.), image processing, enhancement, and analysis are introduced. Topics include x-ray-based imaging including conventional x-ray, mammography, breast tomosynthesis, and computerized tomography (CT); nuclear medicine techniques including positron emission tomography (PET) and single photon emission computed tomography (SPECT); ultrasound; and magnetic resonance imaging (MRI).

Prerequisite(s): BMSE 3201 >= C

BMSE 4901 - Senior Design 1 (3 Credit Hours)

An individual or group project in the application of biomedical systems engineering. Emphasis is on the production of real-world systems and may be conducted in cooperation with an external organization such as a commercial company or public agency.

Prerequisite(s): BMSE2101 >= C and HINF3209 >= C

BMSE 4902 - Senior Design 2 (2 Credit Hours)

An individual or group project in the application of biomedical systems engineering. Emphasis is on the production of real-world systems and may be conducted in cooperation with an external organization such as a commercial company or public agency.

Prerequisite(s): BMSE4901 >= C

HEALTH SERVICES (BSHS)

BSHS 3100 - Seminar in Health Services (1 Credit Hour)

This course will provide an overview of health care through a variety of guest speakers and reading assignments. Speakers will engage students in aspects of health care including: leadership, technology, insurance/reimbursement, research, volunteerism and education.

BSHS 3200 - Issue and Challenges in Public Health (3 Credit Hours)

This course offers a thorough, accessible overview of the expanding field of public health for students new to its concepts and actors. Students will be able to critically think about the challenges and issues in public health and use multi-disciplinary strategies and methods used to measuring, assessing, and promoting public health. It provides students with informative discussions of the current technical issues and practical obstacles facing public health practitioners and policymakers alike.

BSHS 3660 - US Health Care Delivery for Health Services (3 Credit Hours)

This course will allow health services professionals to develop an understanding of the organization and

structure of the healthcare industry as a whole and the healthcare facilities comprising the industry. The four functions of health care (delivery, payment, financing and providers), health care policy and standards, technology, cost containment, accessibility, and health care quality will be addressed.

BSHS 4100 - Innovation and Technology in Health Care (3 Credit Hours)

This course focuses on creating successful technological innovations in health care that can better meet consumer and societal needs. At its end, students will understand how to evaluate opportunities and the fundamentals of viable business models for different kinds of health care innovations.

BSHS 4150 - Health Economics (3 Credit Hours)

This course examines the public health care system through the lens of economic theory. Through the use of numerous examples and profiles related to the field, students will learn the importance health economics and its relevance to more general analysis of health policy issues.

BSHS 4200 - Healthcare Marketing and Commercialization (3 Credit Hours)

The healthcare industry continues to undergo enormous changes with new laws and policies, fresh innovations, and an increasingly educated health consumer. As such, healthcare administrators must be prepared to shift their strategies in order to meet the demands of this dynamic market. This course provides students with a foundational knowledge of the principles of marketing and their particular application in health care. Moreover, it offers a perspective on how these principles must shift in response to the changing environmental forces that are unique to this market.

BSHS 4210 - Capstone Project (3 Credit Hours)

The goal of the course is to facilitate the student's transition from school to life as a health service professionals. The course takes two concurrent pedagogical methods to accomplish this goal: 1) Seminar lectures and exercises designed to aid the integration of public health practice principles to enhance job performance and future careers, and 2) the "capstone project" which provides an opportunity to integrate both technical and professional knowledge into comprehensive web-enabled oral and written reports on a student's selected health care topic.

Grade Mode: Normal (A, B, C, D, F)

BSHS 4500 - Internship in Health Services (1 to 3 Credit Hours)

Under the direction of a preceptor, the instructor, and the program director, students develop a Work Proposal that bridges the students' career goals with Health Services Student Learning Objectives. Students must complete objectives defined in the Work Proposal and submit other reports/assignments specified in the course syllabus. *May be repeated for credit up to 4 times.*

Prerequisite(s): BSHS 3660 $\geq$ C

BSHS 4540 - Research in Health Services (3 Credit Hours)

This course focuses on building basic skills for conducting health research and includes guidance on locating, utilizing, and evaluating sources. The course provides an introduction to ethical issues and research conduct involved with health research. The course examines the methods and tools of qualitative and quantitative health analysis and explores the mechanics of research writing and presentation.

BSHS 4950 - Special Topics in Health Services (3 Credit Hours)

This course is designed to allow students to gain knowledge and skills in an area of special interest pertaining to health services. The course will be led by faculty in the Health Services program. *May be repeated for credit up to 2 times.*

BUSINESS ADMINISTRATION (BUSA)

BUSA 1105 - Introduction to Business and Professional Skills (3 Credit Hours)

This course is designed as an introduction to business for first and second year business and non-business students to learn about different business functions, career opportunities, and successful business people and organizations. Major concepts include the competitive business environment, business ethics, business communication, leadership and teamwork skills, and an overview of functional business areas and their related career opportunities. This course will also address professional development topics such as internships, study abroad, ethics and social responsibility. Students will be introduced to the business school faculty, curricula requirements, and professional development opportunities. Guest lecturers for each academic discipline and related industries will contribute to the course and student participation in campus/community activities may be required.

BUSA 4200 - International Business (3 Credit Hours)

This course covers all aspects of international business including, but not limited to international politics, culture, economics, finance, technology, marketing, ethical decision-making, strategic planning and management, and human resource development in a global environment.

Prerequisite(s): (MGMT3500 >= C or BUS363 >= C or MGT363 >= C) and (MKTG3700 >= C or MKT353 >= C)

BUSA 4950 - Selected Topics (3 Credit Hours)

A course and/or directed study of a major issue, practice, or problem in the area of business administration. Content to be decided based on needs and professional objectives of students and the experience and availability of faculty. Prerequisite(s): Permission of instructor. *May be repeated for credit.*

BUSA 4960 - Undergraduate Internship (3 Credit Hours)

An internship is a service learning experience based on an institution or agency, emphasizing the completion of a specific task and the acquisition of specific knowledge and skills under the supervision of the university and the cooperating institution or agency. Prerequisite(s): Permission of Hull College of Business. *May be repeated for credit.*

BUSA 4990 - Undergraduate Research (1 to 3 Credit Hours)

Faculty supervised research on a business topic of interest to the student or faculty supervisor. Research agreement must be made between students and faculty member prior to enrolling in the course. A minimum of three hours of work per week for each semester hour of credit. *May be repeated for credit up to 3 times.*

BUSA 5000 - Analytical Tools for Executive Decision Making (5 Credit Hours)

This course introduces a number of quantitative models and tools that are commonly used for managerial decision making. The emphasis of this course is on the applications of these quantitative models and tools to business problems arising in diverse industries and functional areas including operations, finance, and marketing. The course will introduce subject matter in macro and micro-economic theory, finance, accounting information, and statistical inference as it relates to executive level decision making.

BUSA 5001 - Executive Management Foundations (4 Credit Hours)

This course examines business from the perspective of an executive management team. The emphasis will be on planning, leading, organizing, and controlling in order to effectively manage organizations in a dynamic environment. The legal, ethical, competitive, and market forces in which firms operate also will be examined. The operational use of strategic decision making will be introduced in the context of strategic and tactical marketing, management, and production decision making.

BUSA 6950 - Current Issues in Business Administration (3 Credit Hours)

A variable content course individually designed to meet the needs, interests, and professional objectives

of students in the MBA Program. *May be repeated for credit.*

ALLIED HEALTH SCIENCE (CAHS)

CAHS 3110 - Human Physiology (3 Credit Hours)

Introduction to the major systems of the body, how they are controlled in health, and the pathological effects of system dysfunction.

CAHS 3610 - Ethics for Health Professionals (1 Credit Hour)

Prevailing philosophies and basic ethical principles will be presented and legal issues common to allied health professionals will be discussed. Clinical application of ethical theory and ethico-legal decision making will be emphasized. Each of the Departments will provide profession-specific content for discussion and application with their students.

CAHS 3660 - US Healthcare Delivery System (3 Credit Hours)

This course will allow allied health professionals to develop an understanding of the organization and structure of the healthcare industry as a whole and the healthcare facilities comprising the industry. Healthcare delivery systems in the areas of ambulatory care, home health, and long-term care are rapidly increasing in addition to the increasing demand for allied health professionals. The healthcare delivery systems in the twenty-first century will be faced with increased regulations and standards, with focus on cost containment, accessibility, and quality.

CAHS 4300 - Professional Issues and Ethics (1 Credit Hour)

Introduction to current critical issues impacting allied health science; the role of the allied health professional within the healthcare system and its relationship to other healthcare disciplines.

CAHS 4451 - Child Life Clinic I (10 to 15 Credit Hours)

Child Life Clinic will expose students to the following: children's and families responses to experience in illness and hospitalization/injury from birth through adolescence, stress and coping issues, therapeutic and medical play, activity planning/coordination/implementation, psychological preparation for healthcare experiences and associated coping processes, parental interactions, and children's understanding of illness/death.

CAHS 4452 - Child Life Internship (10 to 15 Credit Hours)

Child Life internship will provide students with the opportunity to be independent in a Child Life specialist role with an in-depth understanding and practice of the above mentioned skills. Documentation and advanced assessment skills will be utilized.

CAHS 4453 - LIFE - Learning in Family Environments (1 to 3 Credit Hours)

This course will familiarize students with components and essentials of family centered care. Emphasis is placed on direct experiences with patients and families in various settings. Theories of development and family systems will be explored.

CAHS 4470 - Public Health and Healthcare Small Business Governance and Financial Management (3 Credit Hours)

This course will focus of fostering student knowledge to understand the small-business and non-profit environment in the public health and healthcare field. The course will provide information on how to establish and set-up and manage small businesses and non-profit organizations focused on public health and healthcare with an aim to understand applicable State regulations, as well as governance structure(s), effective organizational development and management, and sustainable fundraising opportunities. *May be repeated for credit up to 1 time.*

CAHS 6501 - Evidence-Based Practice (2 Credit Hours)

Identification of a research project including the literature evaluation and review of current evidence in the profession. Resources to conduct a course of scholarly investigation is initiated. Examination of findings and the significance for practice is included.

CAHS 6503 - Research Process (3 Credit Hours)

Investigation of qualitative, quantitative, and applied statistical methods for clinical and professional studies or projects. Application of evidence-based research and completion of HAC proposals and approval processes. Emphasis is placed on ethical and procedural requirements for responsible research/scholarship.

Prerequisite: Successful completion of 2nd semester MHS courses or permission from the Chair.

CAHS 6524 - Project Development (2 Credit Hours)

Development of a scholarly research process including the HAC approvals.

Engagement in an active scholarly pursuit. Research methods and applications are included.

Prerequisite: Successful completion of 3rd semester MHS coursework; or permission of Chair.

CAHS 7005 - The Adult as a Learner (3 Credit Hours)

Assists healthcare practitioners in applying the body of knowledge related to adult learning to settings in which they will be teaching and practicing. Helps students analyze theories of adult learning, learning needs, goals, strategies and evaluation plans suitable for the adult learner.

CAHS 7100 - Pathophysiology for Allied Health Professionals (3 Credit Hours)

Course will provide didactic learning opportunities in the pathophysiology of key disease processes and medical nutrition therapies. Principles of pathophysiology, pharmacology, and nutrition are presented in an integrated manner to provide a basis for the application of nutrition and pharmacology therapies to prevent, treat or manage diseases.

CAHS 7110 - Principles of Human Physiology (3 Credit Hours)

Prerequisites: Admission to Physician Assistant Program or permission of instructor

Basic concepts in human physiology will be presented in lecture and case study format.

CAHS 7115 - Topics in Healthcare Delivery (2 Credit Hours)

This course will present an overview of topics concerning healthcare delivery in the United States and internationally with a primary focus on the evolution of the U.S. healthcare system.

CAHS 7200 - Capstone Project (2 Credit Hours)

Students will apply research design and research methodologies and the statistical procedures used to complete a research project. Students will have a hands-on experience in using software such as SPSS to analyze and interpret data and improve research writing skills. *May be repeated for credit up to 4 times.*

Grade Mode: Normal (A, B, C, D, F)

CAHS 7300 - Professional Issues and Ethics (1 Credit Hour)

Introduction to current critical issues impacting allied health science; the role of the allied health professional within the healthcare system and its relationship to other healthcare disciplines. The students will be expected to perform critical evaluations of clinical cases and/or scientific papers and additional advanced practice competencies in related content area.

CAHS 7400 - Human Gross Anatomy (6 Credit Hours)

This graduate level anatomy course is an introduction to specialized areas of the macroscopic structures of the human body through the use of lectures, laboratory dissection, and demonstrations. It is a study of the structure and function of human biology including cells, tissues and organs of the following systems: skull and cranial cavity, back and vertebral column, spinal cord and overview of the nervous system, brachial plexus and pectoral region, upper and lower extremities, thoracic cavity, heart and mediastinum,

abdominal viscera, male and female pelvis. Health sciences students review major organ systems while understanding anatomical relationships and its application to clinical practice.

Additional Course Fee: Anatomy Lab Fee - \$400 Flat Fee

CAHS 7450 - Human Gross Anatomy for Occupational Therapists (6 Credit Hours)

Gross anatomy of the human body presented with the systems approach, using lecture, laboratory, demonstration, and clinical application. The application of anatomical knowledge is achieved through cadaver pro-section, models, and digital resources. Systems include skeletal, muscular, nervous, vascular, sensory, and organ, with specific focus on understanding anatomical relationships and the application to occupational therapy clinical practice. *May be repeated for credit up to 1 time.*

Additional Course Fee: Anatomy Lab Fee - \$400 Flat Fee

CAHS 7500 - Clinical Anatomy (4 Credit Hours)

Provides students with the opportunity to develop foundational knowledge of the normal anatomy of the musculoskeletal system as a basis for physical therapy practice. Content includes, but is not limited to, anatomy of the musculoskeletal and peripheral nervous system, cardiovascular, pulmonary, gastrointestinal, and urologic systems. The application of anatomical knowledge is reinforced through cadaver dissection and/or pro-section. It is expected that the knowledge gained in this course is integrated into clinical application courses throughout the curriculum. *May be repeated for credit up to 2 times.*

CAHS 7523 - Research Project (3 to 6 Credit Hours)

Completion of scholarly work that includes the application of research that affects practice and the provision of occupational therapy services.

Prerequisite: Successful completion of the 4th semester MHS courses or permission of the chair.

Grade Mode: Normal (A, B, C, D, F)

CAHS 7550 - Clinical Anatomy and Physiology II (4 Credit Hours)

Provides students with the opportunity to develop foundational knowledge of the central nervous system. Introduces normal CNS development, anatomy, physiology, and pathophysiology from a clinical perspective. Emphasis is placed on the structures and functions that form sensory, motor, pain, perception, memory, emotion, cognition, and communication systems. Clinical application of localizing a lesion along the neuroaxis and of lesion etiology are discussed using foundational concepts of the neurologic screen. *May be repeated for credit up to 2 times.*

Prerequisite(s): CAHS 7500 >= C and PTHP 7105 >=B and PTHP 7110 >=B and PTHP 7115 >=B and PTHP 7120 >=B and PTHP 7125 = S

CAHS 7705 - Neuroscience Applications (3 Credit Hours)

A study of neuroanatomy, neurophysiology, and applied neuroscience principles in the promotion of health and wellness and the recovery of illness and/or injury.

Prerequisites: Successful completion of 1st semester MHS courses or permission from the chair.

CAHS 7990 - Independent Study (3 Credit Hours)

This course is designed to allow students to gain knowledge and skills in an area of special interest. Students will propose clearly defined individual personal learning objectives and learning activities to achieve those objectives which will be approved by their PhD mentor. *May be repeated for credit.*

CAHS 9200 - Special Project (1 to 4 Credit Hours)

GENOMICS AND PERSONALIZED MEDICINE (CBGM)

CBGM 5085 - Genomics and Personalized Medicine (1 Credit Hour)

Topics will include: genetic and environmental risk factors for complex diseases; next generation

sequencing approaches in analysis of human genomes; genome-wide association studies; pharmacogenomics; use of personal genetic information in clinical medicine.
Grade Mode: Satisfactory/Unsatisfactory, Normal (A, B, C, D, F)

COMPLETE DENTURES - CLINICAL (CDCL)

CDCL 5001 - Complete Dentures (3 Credit Hours)

This course extends the previously taught didactic and laboratory procedures to the clinic. A complete maxillary and mandibular denture is fabricated for an edentulous patient with major emphasis on correlating for the patient's biological milieu with the clinical aspects of complete prosthodontics.

COMPLETE DENTURES - PRECLINICAL (CDPR)

CDPR 5001 - Preclinical Completed Dentures (1 to 6 Credit Hours)

Lecture and laboratory sessions on the philosophy and technique in the fabrication of complete dentures are presented. Material includes, oral examinations, preliminary and final impressions, maxillomandibular records, denture tooth selection, factors and philosophies of denture occlusion, setting teeth in a non-balanced and a balanced lingualized occlusion, verifying maxillomandibular records, denture processing, correction of processing errors, completion and insertion of complete dentures and effective cusp angles.

CYBERSECURITY ENGINEERING (CENG)

CENG 2001 - Introduction to Cybersecurity Engineering (3 Credit Hours)

The goals of this course are: to introduce basic concepts in cybersecurity engineering in an integrated manner; to motivate basic concepts in the context of real applications; to illustrate a logical way of thinking about problems and their solutions; and convey the excitement of the profession.

STEM GPA Eligible Course

Prerequisite(s): CYBR2600 >= C

CENG 4100 - Cyber-Physical Systems (3 Credit Hours)

This course strives to identify and introduce the durable intellectual ideas of embedded systems as a technology and as a subject of study. The emphasis is on modeling, design, and analysis of cyber-physical systems, which integrate computing, networking, and physical processes.

Prerequisite(s): CSCI 4532 >= C

CENG 4700 - Secure Design Engineering (3 Credit Hours)

This course addresses the engineering-driven actions necessary to develop more defensible and survivable systems- including the components that compose and the services that depend on those systems.

Prerequisite(s): CSCI 3400 >= C

CENG 4712 - Senior Capstone Project (3 Credit Hours)

Integration of cybersecurity knowledge gained from course work via developing a secure system for a client.

Prerequisite(s): CENG 4700 >= C

PHYSICIAN LEADERSHIP AND ADVOCACY (CERG)

CERG 5800 - Certificate in Physician Leadership and Advocacy (10 Credit Hours)

Students will understand different types of leadership, understand important professional traits required in leadership and advocacy, understand basic financial and legal methodology in healthcare, learn about

career opportunities in leadership and advocacy, advocate for their patients and the health of their community, and learn the economics and systems of healthcare delivery.

CHEMISTRY (CHEM)

CHEM 1000 - Chemistry Orientation (1 Credit Hour)

An introduction to chemistry and its subdisciplines. Major concepts and perspectives will be introduced through projects and case studies that illustrate the utility and role of chemistry both in modern times and in the past. Additional topics shall include scientific ethics and careers in chemistry. Students will be introduced to the tools of library research.

CHEM 1100 - Introductory Chemistry: Selected Topics (3 Credit Hours)

An exploration of principles, conceptual understanding, and problem-solving in chemistry oriented around a single theme. Does not include a laboratory component. *May be repeated for credit.*

Prerequisite(s): (MATH 1001 >= D or MATH 1111 >= D or MATH 1101 >= D)

CHEM 1100L- Introductory Chemistry: Selected Topics Laboratory (1 Credit Hour)

A laboratory course to accompany CHEM 1100 to explore principles, apply concepts, and problem-solve in chemistry; oriented around a central theme.

Prerequisite(s): (MATH 1001 >= D or MATH 1111 >= D or MATH 1101 >= D); Corequisite(s): CHEM1100

Additional Course Fee: Chemistry/Biochemistry Lab Fee - \$50 Flat Fee

CHEM 1151 - Survey of Chemistry I (4 Credit Hours)

First course designed for pre-allied health students and non-majors. Topics include: elements, compounds, stoichiometry, solutions, equilibrium, acid-base and nomenclature. Students with existing credit in CHEM 1211 or CHEM 1212 are not eligible to take this course. Students may not use both CHEM 1151 and either CHEM 1211 or CHEM 1212 to satisfy the Technology, Mathematics and Sciences area of Core IMPACTS requirements. STEM GPA Eligible Course.

Prerequisite(s): MATH 1001 >= D or MATH 1111 >= D or MATH 1113 >= D

Additional Course Fee: Chemistry/Biochemistry Lab Fee - \$50 Flat Fee

CHEM 1152 - Survey of Chemistry II (4 Credit Hours)

Organic and biochemistry designed for allied health students; covers common classes of organic compounds including uses and chemical and physical properties and introduction to structure and function of biological molecules. STEM GPA Eligible Course

Prerequisite(s): (CHEM1151 >= C or CHM105 >= C or CHEM1211 >= C or CHM121 >= C)

Additional Course Fee: Chemistry/Biochemistry Lab Fee - \$50 Flat Fee

CHEM 1211 - Principles of Chemistry I (3 Credit Hours)

First course in a sequence designed for science majors. Topics include: composition of matter, stoichiometry, periodic relations, gas laws, molecular geometry and nomenclature. Students may not apply both CHEM 1151 and CHEM 1211 to satisfy the Technology, Mathematics and Sciences or Field of Study areas of Core IMPACTS requirements. STEM GPA Eligible Course.

Prerequisite(s): MATH 1111 >= C or MATH 1113 >= C or MATH 2011 >= C or MATH 2011H >= C;

Corequisite(s): CHEM 1211L and CHEM 1211R

CHEM 1211H - Honors: Principles of Chemistry I (3 Credit Hours)

First course in a sequence designed for science majors. Topics include: composition of matter, stoichiometry, periodic relations, gas laws, molecular geometry and nomenclature. Students may not apply both CHEM 1151 and CHEM 1211 to satisfy Core IMPACTS (Technology, Mathematics and Sciences; or Social Sciences) requirements. This is an Honors course. STEM GPA Eligible Course.

Prerequisite(s): MATH 1111 >= C or MATH 1113 >= C or MATH 2011 >= C or MATH 2011H >= C;

Corequisite(s): CHEM 1211L; Cross-Listed Course(s): CHEM 1211 and CHEM 1211R

CHEM 1211L- Principles of Chemistry I Laboratory (1 Credit Hour)

Laboratory course to accompany CHEM 1211. Students will develop experimental techniques, safe lab practices, problem-solving, data analysis, recordkeeping, and written communication skills. STEM GPA Eligible Course

Prerequisite(s): (MATH 1111 $\geq$ C or MATH 1113 $\geq$ C or MATH 2011 $\geq$ C or MATH 2011H $\geq$ C);

Corequisite(s): CHEM 1211 and CHEM 1211R

Additional Course Fee: Chemistry/Biochemistry Lab Fee - \$50 Flat Fee

CHEM 1211R - Recitation – General Chemistry I (0 Credit Hours)

In General Chemistry I Recitation, students improve their understanding of chemistry through practice problems, quizzes, and group discussion. This course is designed as a supplement to the lecture course to help students further grasp the material through problem solving and interaction with their fellow students. No new material is introduced in this recitation, as it is designed for student success and review. Attendance and participation are required.

Prerequisite(s): MATH 1111; Corequisite(s): CHEM 1211 and CHEM 1211L

CHEM 1212 - Principles of Chemistry II (3 Credit Hours)

Second course in a sequence for science majors. Topics include: solutions, acid-base, colligative properties, equilibrium, electrochemistry, kinetics, and descriptive chemistry. Students may not apply both CHEM 1151 and CHEM 1211 to satisfy the Technology, Mathematics and Sciences or Field of Study areas of Core IMPACTS requirements. STEM GPA Eligible Course. Prerequisite includes meeting the departmental standard on the national ACS exam. STEM GPA Eligible Course.

Prerequisite(s): (MATH 1113 $\geq$ C or MATH 2011 $\geq$ C or MATH 2011H $\geq$ C) and CHEM 1211 $\geq$ C and CHEM 1211L $\geq$ C; Corequisite(s): CHEM 1212L and CHEM 1212R

CHEM 1212H - Honors: Principles of Chemistry II (3 Credit Hours)

Second course in a sequence for science majors. Topics include: solutions, acid-base, colligative properties, equilibrium, electrochemistry, kinetics, and descriptive chemistry. Students may not apply both CHEM 1151 and CHEM 1211 to satisfy Core IMPACTS (Technology, Mathematics and Sciences; or Social Sciences) requirements. Prerequisites include meeting the departmental standard on the national ACS exam. This is an Honors course. STEM GPA Eligible Course.

Prerequisite(s): (MATH 1113 $\geq$ C or MATH 2011 $\geq$ C or MATH 2011H $\geq$ C) and CHEM 1211 $\geq$ C and CHEM 1211L $\geq$ C; Corequisite(s): CHEM 1212L; Cross-Listed Course(s): CHEM 1212

CHEM 1212L- Principles of Chemistry II Laboratory (1 Credit Hour)

Laboratory course to accompany CHEM 1212. Students will develop experimental techniques, safe lab practices, problem-solving, data analysis, recordkeeping, and written communication skills. STEM GPA Eligible Course

Prerequisite(s): CHEM 1211 $\geq$ C and CHEM 1211L $\geq$ C and (MATH 1113 $\geq$ C or MATH 2011 $\geq$ C or MATH 2011H $\geq$ C); Corequisite(s): CHEM 1212 and CHEM 1212R

Additional Course Fee: Chemistry/Biochemistry Lab Fee - \$50 Flat Fee

CHEM 1212R - Recitation – General Chemistry II (0 Credit Hours)

In General Chemistry II Recitation, students improve their understanding of chemistry through practice problems, quizzes, and group discussion. This course is designed as a supplement to the lecture course to help students further grasp the material through problem solving and interaction with their fellow students. No new material is introduced in this recitation, as it is designed for student success and review. Attendance and participation are required.

Prerequisite(s): CHEM 1211 and MATH 1113; Corequisite(s): CHEM 1212 and CHEM 1211L

CHEM 1213 - Principles of Chemistry II Supplement (1 Credit Hour)

An introductory course focused on problem-solving skills covering topics addressed in general chemistry. This course is offered to support Principles of Chemistry II (CHEM 1212). Study methods and effective learning strategies are also explored.

Corequisite(s): CHEM 1212

CHEM 1950 - Selected Topics (1 to 4 Credit Hours)

Concepts/topics in special areas of chemistry. May be repeated for credit. Prerequisite(s): Permission of the instructor. *May be repeated for credit.*

CHEM 2410 - Chemistry of Organic and Biomolecules (4 Credit Hours)

A systematic examination of the properties and reactions of the major classes of organic compounds and their relevance to the metabolic roles of carbohydrates, lipids and proteins. Modern spectroscopic methods of structure determination will be included. STEM GPA Eligible Course.

Prerequisite(s): CHEM 1211 $\geq$ C and (CHEM 1212 $\geq$ C)

Additional Course Fee: Chemistry/Biochemistry Lab Fee - \$50 Flat Fee

CHEM 2810 - Quantitative Analysis (5 Credit Hours)

Theories, principles and practice of volumetric, gravimetric and elementary instrumental analysis.

STEM GPA Eligible Course.

Prerequisite(s): CHEM 1212 $\geq$ C

Additional Course Fee: Chemistry/Biochemistry Lab Fee - \$50 Flat Fee

CHEM 2950 - Selected Topics (0 to 4 Credit Hours)

Concepts/topics in special areas of chemistry. May be repeated for credit. Prerequisite(s): Permission of the instructor. *May be repeated for credit.*

CHEM 2990 - Introduction to Undergraduate Research (0 Credit Hours)

A course to introduce undergraduates to experience of research through a faculty mentored introductory project.

CHEM 3000 - Introduction to Nuclear Science (3 Credit Hours)

An introduction to nuclear models and structure, natural and artificial radioactivity, interactions of radiation with matter, nuclear reactions, neutron physics and reactors. Credit may not be earned for both CHEM 3000 and PHYS 3000

Prerequisite(s): (MATH 2011 $\geq$ C or MATH 2011H $\geq$ C) and (PHYS 1112 $\geq$ C or PHYS 2212 $\geq$ C)

CHEM 3010 - Introduction to Nuclear Measurements (3 Credit Hours)

An introductory course on scintillation counters, semiconductor detectors, nuclear electronics, nuclear spectroscopy, counting statistics and shielding. Credit may not be earned for both CHEM 3010 and PHYS 3010.

Prerequisite(s): (CHEM 3000 $\geq$ C or PHYS 3000 $\geq$ C)

Additional Course Fee: Chemistry/Biochemistry Lab Fee - \$50 Flat Fee

CHEM 3020 - Application of Nuclear Science (3 Credit Hours)

A study of applications of nuclear science to include characterization of radiation, the effects of radiation and radioactive materials, dosimetry and dose calculations, radiation exposure and basic nuclear safety. Other topics may include nuclear reactors, criticality, poisons, neutron life cycle, isotopic dating, nuclear medicine and imaging, neutron activation work/tracers, and environmental radioactivity. Credit may not be earned for both CHEM 3020 and PHYS 3020.

Prerequisite(s): (CHEM 3000 $\geq$ C or PHYS 3000 $\geq$ C)

CHEM 3411 - Organic Chemistry I (3 Credit Hours)

A study of the structure, nomenclature, properties, and reactivity of organic compounds with an emphasis on modern electronic and mechanistic theories. Spectroscopy will be introduced. The associated lab course, CHEM 3411L, is a mandatory corequisite. STEM GPA Eligible Course.

Prerequisite(s): CHEM 1212 $\geq$ C and CHEM 1212L $\geq$ C; Corequisite(s): CHEM 3411L and CHEM 3411R

CHEM 3411L- Organic Chemistry I Laboratory (1 Credit Hour)

A laboratory course that accompanies CHEM 3411 Organic Chemistry I that explores common reactions and laboratory techniques, including spectroscopy.

Prerequisite(s): CHEM 1212 $\geq$ C and CHEM 1212L $\geq$ C; Corequisite(s): CHEM 3411 and CHEM 3411R

Additional Course Fee: Chemistry/Biochemistry Lab Fee - \$50 Flat Fee

CHEM 3411R - Recitation – Organic Chemistry I (0 Credit Hours)

In Organic Chemistry I Recitation, students improve their understanding of chemistry through practice problems, quizzes, and group discussion. This course is designed as a supplement to the lecture course to help students further grasp the material through problem solving and interaction with their fellow students. No new material is introduced in this recitation, as it is designed for student success and review. Attendance and participation are required.

Prerequisite(s): CHEM 1212; Corequisite(s): CHEM 3411 and CHEM 3411L

CHEM 3412 - Organic Chemistry II (3 Credit Hours)

A continuation of Organic Chemistry I. Mechanisms, synthesis, and spectroscopy are emphasized.

Prerequisite(s): CHEM 3411 $\geq$ C and CHEM 3411L $\geq$ C; Corequisite(s): CHEM 3412L and CHEM 3412R

CHEM 3412L- Organic Chemistry II Laboratory (1 Credit Hour)

The synthesis and characterization of organic compounds using advanced laboratory techniques. Students become familiar with synthetic techniques and characterization methods used in organic chemistry, and improve and extend their laboratory skills in handling solids and liquids. Students carry out stoichiometric calculations and perform standard laboratory procedures, such as weighing, quantitative liquid transfer, reflux procedures, gravity and suction filtration, recrystallization, and the determination of melting point and/or decomposition temperature of organic materials.

Prerequisite(s): CHEM 3411 $\geq$ C and CHEM 3411L $\geq$ C; Corequisite(s): CHEM 3412 and CHEM 3412R

Additional Course Fee: Chemistry/Biochemistry Lab Fee - \$50 Flat Fee

CHEM 3412R - Recitation – Organic Chemistry II (0 Credit Hours)

In Organic Chemistry II Recitation, students improve their understanding of chemistry through practice problems, quizzes, and group discussion. This course is designed as a supplement to the lecture course to help students further grasp the material through problem solving and interaction with their fellow students. No new material is introduced in this recitation, as it is designed for student success and review. Attendance and participation are required.

Prerequisite(s): CHEM 3411; Corequisite(s): CHEM 3412 and CHEM 3412L

CHEM 3551 - Introductory Biochemistry (3 Credit Hours)

Emphasizes the structure and function of biological molecules, enzymology, metabolism, and bioenergetics.

Prerequisite(s): (CHEM 3411 $\geq$ C and CHEM 3411L $\geq$ C) and (BIOL 1107 $\geq$ C and BIOL 1107L $\geq$ C)

CHEM 3600 - Introduction to Medicinal Chemistry (3 Credit Hours)

A study of the chemical mechanisms of action of the major drug classes, including those derived from natural products, with a particular emphasis on the organic chemistry that controls drug-receptor interactions, as well as drug uptake, distribution, metabolism, and toxicity. Modern drug discovery process from bench to clinical trials to manufacturing will also be examined.

Prerequisite(s): CHEM 3412 $\geq$ C

CHEM 3721 - Physical Chemistry I (3 Credit Hours)

A study of gases, first, second, and third laws of thermodynamics, thermochemistry, and chemical equilibria, followed by an introduction to solutions, electrolytes, and electrochemical cells.

Prerequisite(s): (PHYS 1112 $\geq$ C or PHYS 2212 $\geq$ C) and MATH 2012 $\geq$ C and CHEM 3411 $\geq$ C

CHEM 3723 - Physical Chemistry Laboratory (1 Credit Hour)

Introduction to the principles of physical chemistry in the laboratory. Topics covered typically encompass fundamentals of measurements, thermodynamics, chemical kinetics, and spectroscopy.

Prerequisite(s): CHEM 3411 $\geq$ C; Corequisite(s): CHEM 3721

Additional Course Fee: Chemistry/Biochemistry Lab Fee - \$50 Flat Fee

CHEM 3810 - Advanced Organic Chemistry (3 Credit Hours)

An examination of the principles of modern physical and synthetic organic chemistry with an emphasis on mechanism, mechanism elucidation methods, chemoselective, regioselective, and stereoselective transformations.

Prerequisite(s): CHEM 3412 $\geq$ C or CHM342 $\geq$ C

CHEM 3820 - Laboratory Management and Safety (2 Credit Hours)

Formal instruction and practical experience in all phases of assisting with instructional laboratories. Safety instruction includes proper use of protective equipment and fire extinguishers, and CPR training.

Prerequisite(s): (CHEM 2410 $\geq$ D or CHM241 $\geq$ D or CHEM 3411 $\geq$ C or CHM341 $\geq$ C)

CHEM 3950 - Selected Topics (1 to 4 Credit Hours)

Concepts/topics in special areas of chemistry. May be repeated for credit. Prerequisite(s): Permission of the instructor. *May be repeated for credit.*

CHEM 3990 - Undergraduate Research (0 to 3 Credit Hours)

Faculty mentored undergraduate research at an intermediate level. May be repeated. *May be repeated for credit.*

Additional Course Fee: Chemistry/Biochemistry Lab Fee - \$50 Flat Fee

CHEM 4100 - Forensic Chemistry (4 Credit Hours)

Application of chemical principles to forensic science including acquisition, interpretation, and validation of data and communication of results to nonscientists. Topics include legal, statistical, and quality control principles in the discipline; drugs and poisons, fire/explosion; firearm analysis; fingerprint analysis; and fiber/hair analysis.

Prerequisite(s): (CHEM 3412 $\geq$ C or CHEM 2810 $\geq$ C)

Additional Course Fee: Chemistry/Biochemistry Lab Fee - \$50 Flat Fee

CHEM 4130 - Water Chemistry (3 Credit Hours)

Study of how water quality is monitored and maintained and the effect of water quality in the home, industry, and the environment. The course includes a study of typical impurities, including how these impurities are detected, removed or mitigated, and how these impurities are related to problems such as corrosion and toxicity.

Prerequisite(s): CHEM1212 $\geq$ C

CHEM 4210 - Advanced Inorganic Chemistry (3 Credit Hours)

A study of advanced topics in inorganic chemistry including molecular orbital theory, coordination chemistry, descriptive chemistry of the elements, and atomic structure.

Prerequisite(s): CHEM 3412 $\geq$ C

CHEM 4410 - Heterocyclic and Natural Product Chemistry (3 Credit Hours)

An in-depth exploration of the structure, synthesis, nomenclature, and reactivity of heterocyclic compounds, focusing on key classes such as azoles (including pyrazoles, imidazoles, and triazoles), pyridines, indoles, quinolines, and other vital heterocyclic frameworks. Emphasis is placed on understanding the mechanisms and applications of name reactions in heterocyclic synthesis, including the Fischer indole synthesis, Hantzsch pyridine synthesis, Conrad-Limpach synthesis, and Knorr pyrrole

synthesis. The course also comprehensively studies natural products, examining their biosynthetic pathways, structural diversity, and critical role in drug discovery and development. In the laboratory component, students synthesize, purify, and characterize heterocyclic and natural product compounds, gaining hands-on experience with modern synthetic techniques and advanced analytical methods.

Prerequisite(s): CHEM 3412 $\geq$ C and CHEM 3412L $\geq$ C

Additional Course Fee: Chemistry/Biochemistry Lab Fee - \$50 Flat Fee

CHEM 4450 - Advanced Organic Chemistry: Synthesis (3 Credit Hours)

This course will examine the techniques and reactions commonly applied to the design of synthesis of complex organic compounds. This will include retrosynthetic analysis, common synthons, masked functionalities, umpolung strategies, functional group transformations, bond-forming reactions, and conformational and stereochemical aspects. Emphasis will be placed on application to medically important targets.

Prerequisite(s): CHEM 3412 $\geq$ C

CHEM 4460 - Advanced Organic Chemistry: Mechanisms (3 Credit Hours)

An examination of the principles of modern physical organic chemistry with an emphasis on mechanism, mechanism elucidation methods, chemoselective, regioselective, and stereoselective transformations.

Prerequisite(s): CHEM 3412 $\geq$ C

CHEM 4551 - Biochemistry I: Physical Biochemistry (3 Credit Hours)

The physical chemistry of macromolecules. An examination of the chemical behavior of amino acids, proteins, lipids, carbohydrates, and nucleic acids, emphasizing the relationship between structure and physiological function. BIOL 1107 highly recommended.

Prerequisite(s): (CHEM1212 $\geq$ C and CHEM 3412 $\geq$ C)

CHEM 4552 - Biochemistry II: Bioenergetics and Metabolism (3 Credit Hours)

A study of the metabolism of carbohydrates, lipids, amino acids, nucleotides, and related compounds; the regulation and energetics of the metabolic pathways; and oxidative and photophosphorylation.

Prerequisite(s): CHEM 4551 $\geq$ C

CHEM 4553 - Biochemistry Laboratory (1 Credit Hour)

A laboratory course exploring research techniques and principles of biological chemistry.

Prerequisite(s): CHEM 4551 $\geq$ C

Additional Course Fee: Chemistry/Biochemistry Lab Fee - \$50 Flat Fee

CHEM 4600 - Physical Chemistry II - Quantum Mechanics (3 Credit Hours)

Introduction to the theories and applications of chemical kinetics. Introduction to quantum mechanics with applications to simple systems. Principles of measurements in quantum theory through spectroscopy and the origin of selection rules.

Prerequisite(s): CHEM 3721 $\geq$ C and MATH 3020 $\geq$ C; Cross-Listed Course(s): PHYS 4600

CHEM 4610 - Rational Drug Design (3 Credit Hours)

An introduction to drug target selection, lead compound discovery, and application of structure-activity relationships and computational chemistry towards design and optimization of lead compounds and their derivatives. Includes synthesis and optimization of lead compounds, case studies, high throughput screening assays, and quantitative cell line based bioassays.

Prerequisite(s): (CHEM 3412 $\geq$ C) and (CHEM 4620 $\geq$ C or CHEM 4551 $\geq$ C or BIOL 3400 $\geq$ C)

CHEM 4620 - Principles of Medicinal Chemistry (3 Credit Hours)

A study of the chemical interactions of the major drug classes, including those derived from natural products, with the drug targets. Drug uptake, distribution, metabolism and toxicity for the major drug classes is also studied.

Prerequisite(s): CHEM 3412 $\geq$ C and CHEM 3412L $\geq$ C and CHEM 4410 $\geq$ C

CHEM 4640 - Modern Drug Discovery and Development (3 Credit Hours)

The modern drug discovery process including introductory fundamentals, high throughput screening-assisted target/lead discovery and validation, preclinical trials, Investigational New Drug (IND) applications, clinical trials and commercialization will be reviewed.

Prerequisite(s): CHEM 3412 $\geq$ C

CHEM 4700 - Integrated Laboratory (3 Credit Hours)

A laboratory course combining computational, synthetic, and analytical skills commonly used in physical chemistry, organic chemistry and inorganic chemistry.

Prerequisite(s): CHEM 2810 $\geq$ C and CHEM 3412 $\geq$ C and (MATH 2011 $\geq$ C or MATH 2011H $\geq$ C)

Additional Course Fee: Chemistry/Biochemistry Lab Fee - \$50 Flat Fee

CHEM 4723 - Computational Chemistry (3 Credit Hours)

The foundations for the application of computational simulations based on physical concepts to investigate and understand biological systems at the molecular level. Topics include: various areas of physics, with emphasis on classical mechanics and molecular quantum mechanics. While the mathematics is not onerous, students should have a working understanding of quantum and classical mechanics, electrostatics and magnetism, as well as linear algebra and calculus. No prior knowledge of biology or biochemistry is required, only a commitment to learning fundamental principles and an alternative approach for thinking of complex systems. Emphasis is on fundamental Quantum and Classical methods behind the simulation procedures and simulation methods. At the completion of the course, students will: 1) Understand and perform molecular simulations with Quantum Mechanics methods; 2) Understand and perform molecular simulations with Molecular Mechanics methods; 3) Perform calculations on small molecules and biomolecules; and 4) Become familiar with high performance computing (HPC) environments. *May be repeated for credit one time.*

Prerequisite(s): CHEM 3721

CHEM 4800 - Advanced Seminar (1 Credit Hour)

An oral presentation of topics of current chemistry interests and an introduction to preparation of technical chemistry presentations using chemical databases to retrieve the scientific information.

Prerequisite(s): CHEM 3721 $\geq$ C or CHEM 4551 $\geq$ C

CHEM 4840 - Instrumental Analysis (4 Credit Hours)

Theories and applications of instrumental methods of analysis. Spectroscopic techniques (including atomic absorption, ultraviolet/visible, infrared, and fluorescence spectroscopy), separations and electrochemistry will be discussed.

Prerequisite(s): CHEM 2810 $\geq$ C and CHEM 3412 $\geq$ C

Additional Course Fee: Chemistry/Biochemistry Lab Fee - \$50 Flat Fee

CHEM 4950 - Selected Topics (1 to 4 Credit Hours)

Designed to explore areas of chemistry not in the normal curriculum. Topics may include heterocyclic, organometallic, medicinal, or forensic chemistry. May be repeated for credit. *May be repeated for credit.*

Prerequisite(s): CHEM 3412 $\geq$ C

CHEM 4990 - Undergraduate Research (0 to 3 Credit Hours)

Faculty mentored undergraduate research at an advanced level. May be repeated. Generally the course should be taken for 1-2 credits except for extenuating circumstances. *May be repeated for credit.*

Additional Course Fee: Chemistry/Biochemistry Lab Fee - \$50 Flat Fee

CHEM 4993 - Research Thesis (1 Credit Hour)

Continuation of directed undergraduate research experiences and independent study in a specialized area of chemistry that results in a comprehensive, written, formal document disseminating research

results that is evaluated by a faculty panel using a departmental rubric. Instructor permission for this course assumes a suitable agreement between the faculty member and student concerning the remaining expected research outcomes necessary for the comprehensive report.

Prerequisite(s): CHEM 4990 >= C

Additional Course Fee: Chemistry/Biochemistry Lab Fee - \$50 Flat Fee

CHEM 6170 - Techniques in Biomolecular Science (3 Credit Hours)

This course will introduce the main features and principle of operation of a variety of analysis techniques, but focus on the application of the technique and interpretation of data.

CHEM 6450 - Advanced Organic Chemistry- Synthesis (3 Credit Hours)

This course will examine the techniques and reactions commonly applied to the design of synthesis of complex organic compounds. This will include retrosynthetic analysis, common synthons, masked functionalities, umpolung strategies, functional group transformations, bond-forming reactions, and conformational and stereochemical aspects. Emphasis will be placed on application to medicinally important targets. Students enrolled for graduate credit will design multistep synthetic schemes, interpret primary chemical literature related to synthesis and effectively utilize professional resources and databases.

CHEM 6453 - Advanced Organic Chemistry- Synthesis Advanced Topics (1 Credit Hour)

This course is intended for graduate students who completed an appropriate advanced organic synthesis course as an undergraduate. This course reviews chemical literature, professional resources, and characteristic reactions in advanced organic synthesis to fill the gap to a graduate level experience.

Prerequisite(s): CHEM 4450

CHEM 6610 - Rational Drug Design (3 Credit Hours)

An introduction to drug target selection, lead compound discovery, and application of structure-activity relationships and computational chemistry towards design and optimization of lead compounds and their derivatives. Includes synthesis and optimization of lead compounds, case studies, high throughput screening assays, and quantitative cell line based bioassays. Students enrolled for graduate credit will be required to review scientific literature and case studies related to the course topics.

CHEM 6613 - Rational Drug Design Advanced Topics (1 Credit Hour)

This course is intended for graduate students who completed an appropriate advanced drug design course as an undergraduate. This course reviews chemical literature and case studies in drug design and provides a hands-on environment to use modern computational tools for drug design.

Prerequisite(s): CHEM 4610

CHEM 6620 - Principles of Medicinal Chemistry (3 Credit Hours)

A study of the chemical interactions of the major drug classes, including those derived from natural products, with the drug targets. Drug uptake, distribution, metabolism and toxicity for the major drug classes is also studied. Students enrolled for graduate credit will be required to review scientific literature and case studies related to the course topics.

CHEM 6623 - Principles of Medicinal Chemistry Advanced Topics (1 Credit Hour)

This course is intended for graduate students who completed an appropriate advanced medicinal chemistry course as an undergraduate. This course reviews chemical interactions of major drug classes including bioavailability, pharmacodynamics, and pharmacokinetics. An emphasis of the course is the use of the chemical literature to understand drug classes and the relationship of drugs and drug classes to chemical structure.

Prerequisite(s): BIOL 6620 or CHEM 4620; Cross-Listed Course(s): BIOL 6623

CHEM 6630 - Natural Product Chemistry (3 Credit Hours)

An introduction to natural product chemistry; source of natural products, classification based on secondary metabolites, identification and isolation techniques. This course will complement the basic knowledge necessary to students in diverse fields, such as organic chemistry, agricultural chemistry, biochemistry, health sciences and pharmacy.

CHEM 6720 - Principles of Pharmacology (3 Credit Hours)

This course will examine with basic principles of drug action including receptor theory, pharmacodynamics and pharmacokinetics. The basic physiology and pathophysiology of several organ systems will be examined, and the mechanisms of action of the most commonly used drugs to treat these conditions will be studied. Students enrolled for graduate credit will be required to review scientific literature and case studies related to course topics.

CHEM 6800 - Graduate Analytical and Bioanalytical Core (3 Credit Hours)

This course is to emphasize the instrumental and theory of instrumentation within the field of analytical and bioanalytical chemistry. The topics of the course include statistical treatment of data, electronics, chemical equilibrium, mass spectrometry, spectroscopy, and general instrumental analysis. This course will emphasize and determine structure, and chemical function of biological molecules utilizing current instrumental techniques and methods. The topics of the course include analytical instrumental methods, biological chemical function, structure related to function of biological chemistries, and instrumentation and methods in chemical biology.

CHEM 6950 - Selected Topics (1 to 4 Credit Hours)

A variable content course intended to meet the needs and interests of graduate students in selected areas of chemistry. Prerequisite(s): Permission of instructor. *May be repeated for credit up to 98 times.*

CHEM 6970 - Introduction to Research (2 Credit Hours)

Foundational activities associated with pursuing biomolecular research including safety training, completing rotation process of selecting a research mentor, establishing a thesis committee, attending seminars conducted by faculty and external speakers, and presenting a seminar on a topic appropriate to biomolecular science.

CHEM 6980 - Research Proposal Development (3 Credit Hours)

Instruction in professional writing for research proposals. Development and defense of research problem and written proposal with oral defense to thesis committee. Conducting of research pilot studies and method development appropriate to thesis research. Prerequisite(s): BIOL 6970 or CHEM 6970

CHEM 6990 - Masters Research (1 to 9 Credit Hours)

Research while enrolled for a masters degree under the direction of faculty members. This course is typically taken more than one time and culminates in the final semester in the preparation and defense of a MS thesis. *May be repeated for credit.* Prerequisite(s): CHEM6980 or BIOL6980

CHINESE (CHNS)**CHNS 1001 - Elementary Chinese I (3 Credit Hours)**

Chinese 1001 is an elementary Mandarin Chinese course designed for students with no prior knowledge of Chinese. It provides a foundation for all four language skills, i.e., listening, speaking, reading, and writing. Not open to native speakers. Heritage speakers and students who had Chinese in high school should take the placement exam. Students must earn a C or better in order to take Chinese 1002.

CHNS 1002 - Elementary Chinese II (3 Credit Hours)

A continuation of Chinese 1001. Chinese 1002 offers continued intensive study of modern spoken and written Chinese, stressing the four basic language skills of speaking, reading, writing, and listening comprehension. Not open to native speakers. Heritage speakers and students who had Chinese in high school should take the placement exam. Students must earn a C or better in order to take Chinese 2001. Prerequisite(s): CHNS1001 >= C

CHNS 2001 - Intermediate Chinese I (3 Credit Hours)

Chinese 2001 is an intermediate course designed for students who have successfully completed Chinese 1001 and 1002. This course will continue the development of speaking, writing, reading, and listening skills. No native speakers allowed in the class. Heritage speakers should take the placement exam. Students must earn a C or better in order to take Chinese 2002. Prerequisite(s): CHNS1002 >= C

CHNS 2002 - Intermediate Chinese II (3 Credit Hours)

Chinese 2002 is an intermediate course that will continue to intensify the development of speaking, writing, reading, and listening skills and cultural awareness. Not open to native speakers. Heritage speakers should take the placement exam. Students must earn a C or better in order to take classes at the 3000/4000 level. Prerequisite(s): CHNS2001 >= C

CHNS 2950 - Chinese Studies (3 Credit Hours)

Chinese 2950 is a variable content course taught in English that will center on China, or a specific issue dealing with Chinese culture. It is an interdisciplinary introduction to Chinese society and culture from earliest times to the present. Focus is on the formative thoughts and the overall development of Chinese culture and society. May not satisfy foreign language requirement. *May be repeated for credit.*

DENTAL RESIDENT CLINICAL CORE (CLCR)**CLCR 8001 - Physical Diagnosis (1 Credit Hour)**

This course provides basic information for the resident with limited prior experience in physical examination of the human body other than the oral cavity. Information presented is limited to components of physical examination important in the workup of a patient for a dental procedure to be performed under sedation or general anesthesia. It is assumed that, through training in the PGY 1 year, the resident has experience in interviewing a patient, taking a health history, and a thorough understanding of human anatomy and physiology.

CLCR 8005 - Dental Business Management (1 Credit Hour)

This course provides dental residents with a working knowledge of Personal Financial Management, Selection of Practice Mode and Location, Professional Career Options, Bank Loan Applications and Credit Rating, Professional and Personal Insurance Needs, and The First Years of a Dental Practice at advanced levels from the predoctorate program. *May be repeated for credit up to 2 times.*

CLCR 8006 - Oral and Maxillofacial Radiology (1 Credit Hour)

The major objectives of this course are to provide the student with an advanced course in oral and maxillofacial radiology. Oral and maxillofacial radiology interrelates with all clinical disciplines of dentistry with the exact nature of the relationship varying from one discipline to another. These relationships include a diagnostic role in identifying or confirming the presence of an abnormality; a treatment planning role such as determining the extent of a condition; being an integral part of a clinical technique in another discipline; and acting as a tool to monitor the progress of healing, the recurrence of previously treated disease, and the evaluation of the status of previous conditions.

CLCR 8008 - Interdisciplinary Seminars: Esthetics and Function (1 Credit Hour)

This seminar course, calls for Orthodontics, Oral Surgery, Periodontic and Prosthodontic residents to discuss and treatment plan together comprehensive cases, common to each specialty and involving Functional and Esthetic Problems. Following presentation of the case, etiologic factors, prognosis, and treatment plans will be discussed by the participants. Evaluation of the treatment plan options will be conducted in group discussions with one faculty and one resident of each discipline per table. Each group will be provided with casts, radiographs and patient history. Presentations will be critiqued and alternative therapy discussed by residents and faculty. Residents are expected to support their diagnoses and treatment approaches with references from the scientific literature, and to compare the results of their treatment with that reported previously in clinical trials. Emphasis will be placed on a comprehensive analysis and sequencing of treatment from a prosthodontic, periodontic, and orthodontic standpoint.

CLCR 8010 - Practice Management (1 Credit Hour)

CLCR 8010 is a course in practice management for the graduate student. It is a focused study on various aspects relating to their setting up and operating a successful dental practice. It is broad based in that the selected topics must appeal to all specialties represented. An in-depth two hour seminar for each subject is presented to the residents by experts in the respective areas of business. *May be repeated for credit up to 4 times.*

CLCR 8011 - Basic Cardiac Life Support (CPR) (1 Credit Hour)

In this course the student completes a Basic Cardiac Life Support Healthcare Provider course according to the standards established by the American Heart Association.

CLCR 8014 - Dental Implantology (3 Credit Hours)

This course is an introduction to dental implant therapy using a combination of lecture, laboratory and panel discussion sessions. Topics include materials science, histology of osseointegrated and failing dental implants, medical/psychological considerations, treatment planning the edentulous and partially edentulous patient, surgical and prosthetic dental implant treatment techniques, periodontal considerations, long-term maintenance of the dental implant, subperiosteal implants, occlusion and restorative options. *May be repeated for credit up to 2 times.*

CLCR 8016 - Cleft Palate and Craniofacial Anomalies (1 Credit Hour)

This course is an overview of normal and abnormal facial development and speech. Developmental and genetic aspects of facial growth and development are emphasized. A multidisciplinary approach to the recognition and the treatment of many aspects of patients with cleft lip and palate and/or other facial anomalies will be presented. *May be repeated for credit up to 4 times.*

CLCR 8020 - Ethics and Professionalism in Dental Practice (1 Credit Hour)

This web-based, self-paced course is designed to prepare advanced dental education students for the ethical challenges that they will encounter in the practice of dentistry and to encourage students to recognize and follow the high ethical standards required by the profession of dentistry. This course is designed to improve awareness of ethical and professional responsibility, promote ethical conduct and professionalism in dentistry, advance dialogue in ethical issues, and stimulate reflection on common ethical problems in dental practice.

CLINICAL SCIENCE (CLSC)

CLSC 3220 - Introduction to Clinical Laboratory Science Practice (3 Credit Hours)

Provides an introduction to the clinical laboratory science profession. This course covers lab safety, laboratory mathematics, basic lab equipment, lab information systems, quality control, laboratory accreditation and regulation, phlebotomy, and urinalysis and body fluids.

CLSC 3312 - Medical Terminology (2 Credit Hours)

The knowledge of medical terminology is fundamental for health professionals. This course is offered at the beginning of this curriculum so that it may be used as a tool in other advanced coursework. The degree of competency required will be related to the main objectives of the course: spelling, use of correct word forms in context (English as well as medical terms), and using resource materials with ease when unfamiliar terms are encountered.

CLSC 3640 - Clinical Biochemistry (4 Credit Hours)

Provides theoretical knowledge of the principles of analytical techniques and methodologies used in the clinical chemistry laboratories. Emphasizes biochemical aspects, clinical correlation and significance with respect to cellular processes.

CLSC 3645 - Clinical Biochemistry Laboratory (2 Credit Hours)

Provides students with practical experience of various methodologies used in the clinical chemistry and immunology laboratories in the analysis of blood and other body fluids. Such methodologies include spectrophotometric analysis, electrophoresis, immunoassays, and chromatography.

Additional Course Fee: Clinical Laboratory Science Lab Fee - \$200 Flat Fee

CLSC 4440 - Clinical Microbiology (4 Credit Hours)

An in-depth study of the clinically relevant infectious agents (bacteria, fungi, parasites, and viruses) encountered in the clinical microbiology laboratory. Special emphasis on the infectious disease process, identification procedures, and epidemiological significance of these infectious agents.

CLSC 4445 - Clinical Microbiology Laboratory (2 Credit Hours)

Emphasis on procedures and techniques used to isolate and identify clinically important infectious agents, including bacteria, fungi, parasites, and viruses.

Corequisite(s): CLSC 4440

CLSC 4480 - Clinical Microbiology Internship (3 Credit Hours)

Practical application of clinical microbiology techniques including areas of quality assurance, safety practices, data interpretation, instrumentation, library research, professional behavior, and introduction to management practices.

Prerequisite(s): CLSC 4440 and CLSC 4445

CLSC 4501 - Seminar in CLS Evidence-Based Practice (1 Credit Hour)

This course examines how to perform a literature evaluation of current research in the profession. The resources needed to conduct a scholarly investigation are studied including the examination of findings and the significance for practice.

CLSC 4540 - Clinical Immunology (4 Credit Hours)

Clinical immunology is the study of diseases caused by disorders of the immune system. This course is designed to give students an understanding of the immune disease processes and immune responses in the context of infections, malignancies, and autoimmune disorders. It also involves diseases of other systems, where immune reactions play a part in the pathology and clinical features. Students will learn different laboratory testing procedures used to detect immune system disease and monitor the efficacy of treatment. A series of lectures covers course components; additional materials are presented through clinical laboratories that students perform coupled with clinical correlations that focus on clinically applied immunological concepts. An effort has been made to increase clinical relevance and problem-solving skills through an discussion board topics and other interactive classroom assignments. *May be repeated for credit up to 1 time.*

Prerequisite(s): CLSC3640 and CLSC3645

CLSC 4680 - Clinical Biochemistry/Immunology Internship (5 Credit Hours)

Provides students practical experience of working in the clinical chemistry laboratory under the

supervision of a medical technologist: specimen processing, analysis and reporting of patient test results.
Prerequisite(s): CLSC3640 and CLSC3645

CLSC 4740 - Clinical Immunohematology (4 Credit Hours)

Application of basic immunological concepts to the study of red cell antigens and antibodies in relation to compatibility testing for transfusion of blood products. Include discussions on Blood Bank organizations and regulations, genetic inheritance of blood groups, special techniques, AIHA, HDN, blood components, donors and blood collection, quality control, serological testing of blood products, and future trends in Blood Banking.

Prerequisite(s): CLSC3640 and CLSC3645

CLSC 4745 - Clinical Immunohematology Laboratory (2 Credit Hours)

Laboratories include red cell antigens and antibodies in relation to compatibility testing for transfusion of blood products, special techniques. AIHA, HDN, blood components, donors and blood collection, quality control, and serological testing of blood.

Corequisite(s): CLSC4740

CLSC 4780 - Clinical Immunohematology Internship (3 Credit Hours)

Clinical course puts theory to continued practice performing tests on patient specimens and reporting results, completing cross matches, preparing components for issue, identifying multiple antibodies, processing blood components, and interviewing and drawing donors.

Prerequisite(s): CLSC4740 >= C and CLSC4745 >= C

CLSC 4840 - Clinical Hematology (4 Credit Hours)

Study of blood cell derivation, maturation, physiology, and function with emphasis on normal and abnormal blood and bone marrow morphology. Correlation of hematological and hemostasis tests with other clinical findings in the diagnosis of various blood dyscrasias and hemostatic disorders are discussed and emphasized with case study materials. Includes the study of body fluids.

CLSC 4845 - Clinical Hematology Laboratory (2 Credit Hours)

Laboratory experiences are conducted in hematology and hemostasis. Test results are correlated with other clinical findings in the diagnosis of various blood dyscrasias and hemostatic disorders. Includes the study of body fluids with related laboratory exercises.

Corequisite(s): CLSC4840

CLSC 4880 - Clinical Hematology Internship (3 Credit Hours)

Practical application in techniques utilized in a clinical hematology, fluids, and hemostasis laboratory, also including quality assurance issues, problem solving skills, phlebotomy, and relative management issues.

Prerequisite(s): CLSC4840 >= C and CLSC4845 >= C

CLSC 4903 - Clinical Laboratory Science Review (3 Credit Hours)

A comprehensive review of the clinical laboratory science profession.

CLSC 4940 - Clinical Molecular Methods (3 Credit Hours)

This course starts with a historical overview of some breakthrough discoveries that contributed to the establishment of molecular diagnostics. It focuses on molecular testing terminology and nucleic acids' qualities that are important in designing molecular procedures. The course covers applications of molecular testing by focusing on nucleic acids target and signal amplification techniques currently approved by the FDA for infectious disease testing, including blood donor screening. The course also focuses on molecular testing in cancer, pharmacogenomics, and high-throughput technologies.

Prerequisite(s): CLSC3640 and CLSC3645

CLSC 4945 - Clinical Molecular Methods Laboratory (2 Credit Hours)

This course provides students with practical experience of various techniques used in the molecular

biology laboratory with emphasis on nucleic acid isolation procedures, quantification, PCR and gel electrophoresis. The focus is on quality control measures unique for the molecular laboratory and prescribed by the Clinical Laboratory Standards Institute. The goal is to develop manual and analytical skills which will prepare the students for molecular analysis on clinical samples.

Corequisite(s): CLSC4940

CLSC 4999 - CLS Clinical Practicum (0 Credit Hours)

This course is for clinical students who need continued enrollment while completing clinical rotations required for their BS in Clinical Laboratory Science and there are no other remaining BS-CLS courses to register for during a particular semester.

May be repeated for credit up to 3 times.

CLSC 6220 - Introduction to Clinical Laboratory Science Practice (3 Credit Hours)

Provides an introduction to the clinical laboratory science profession. This course covers safety, laboratory mathematics, basic lab equipment, lab information systems, quality control, laboratory accreditation and regulation, phlebotomy and urinalysis and body fluids. Advance competencies are required in this course.

CLSC 6312 - Medical Terminology (2 Credit Hours)

The knowledge of medical terminology is fundamental for health professionals. This course is offered at the beginning of this curriculum so that it may be used as a tool in other advanced coursework. The degree of competency required will be related to the main objectives of the course: spelling, use of correct word forms in context (English as well as medical terms), and using resource materials with ease when unfamiliar terms are encountered. *May be repeated for credit up to 90 times.*

CLSC 6440 - Clinical Microbiology (4 Credit Hours)

An in-depth study of the clinically relevant infectious agents (bacteria, fungi, parasites, and viruses) encountered in the clinical microbiology laboratory. Special emphasis is placed on the infectious disease process, identification procedures, and epidemiological significance of these infectious agents. Students are expected to perform critical evaluations of clinical cases and/or scientific papers and additional advanced practice competencies in related content area.

CLSC 6445 - Clinical Microbiology Laboratory (2 Credit Hours)

Emphasis on procedures and techniques used to isolate and identify clinically important infectious agents, including bacteria, fungi, parasites, and viruses. The student will be expected to perform critical evaluations of clinical cases and/or scientific papers and additional advanced practice competencies in related content area.

Corequisite(s): CLSC6440

CLSC 6640 - Clinical Biochemistry (4 Credit Hours)

Prerequisites: Organic Chemistry, MHS program enrollment. Course provides theoretical knowledge of the principles of analytical techniques and methodologies used in the clinical chemistry laboratories. Emphasizes biochemical aspects, clinical correlation and significance with respect to cellular processes. The student will be expected to perform critical evaluations of clinical cases and/or scientific papers and additional advanced practice competencies in related content area.

CLSC 6645 - Clinical Biochemistry Laboratory (2 Credit Hours)

Provides students with practical experience of various methodologies used in the clinical chemistry and immunology laboratories in the analysis of blood and other body fluids. Such methodologies include spectrophotometric analysis, electrophoresis, immunoassays, and chromatography. The student will be expected to perform critical evaluations of clinical cases and/or scientific papers and additional advanced practice competencies in related content area.

Corequisite(s): CLSC6640

Additional Course Fee: Clinical Laboratory Science Lab Fee - \$200 Flat Fee

CLSC 6740 - Clinical Immunohematology (4 Credit Hours)

Application of basic immunological concepts to the study of red cell antigens and antibodies in relation to compatibility testing for transfusion of blood products. Include discussions on blood bank organizations and regulations, genetic inheritance of blood groups, special techniques, AIHA, HDN, blood components, donors and blood collection, quality control, serological testing of blood products, and future trends in blood banking. The student will be expected to perform critical evaluations of clinical cases and/or scientific papers and additional advanced practice competencies in related content area.

Prerequisite(s): CLSC6640 and CLSC6645

CLSC 6745 - Clinical Immunohematology Laboratory (2 Credit Hours)

Prerequisites: Concurrent enrollment in CLSC 6740.

Laboratories include red cell antigens and antibodies in relation to compatibility testing for transfusion of blood products, special techniques. AIHA, HDN, blood components, donors and blood collection, quality control, and serological testing of blood. The students will be expected to perform critical evaluations of clinical cases and/or scientific papers and additional advanced practice competencies in related content area.

Corequisite(s): CLSC6740

CLSC 6840 - Clinical Hematology (4 Credit Hours)

Study of blood cell derivation, maturation, physiology, and function with emphasis on normal and abnormal blood and bone marrow morphology. Correlation of hematological and hemostasis tests with other clinical findings in the diagnosis of various blood dyscrasias and hemostatic disorders are discussed and emphasized with case study materials. Includes the study of body fluids. The student will be expected to perform critical evaluations of clinical cases and/or scientific papers and additional advanced practice competencies in related content area.

Prerequisite(s): CLSC 6640 and CLSC 6645

CLSC 6845 - Clinical Hematology Laboratory (2 Credit Hours)

Laboratory experiences are conducted in hematology and hemostasis. Tests results are correlated with other clinical findings in the diagnosis of various blood dyscrasias and hemostatic disorders. Includes the study of body fluids with related laboratory exercises. The student will be expected to perform critical evaluations of clinical cases and/or scientific papers and additional advanced practice competencies in related content area.

Corequisite(s): CLSC6840

CLSC 7480 - Clinical Microbiology Internship (3 Credit Hours)

Practical application of clinical microbiology techniques including areas of quality assurance, safety practices, data interpretation, instrumentation, library research, professional behavior, and management practices. The students will be expected to perform critical evaluations of clinical cases and/or scientific papers and additional advanced practice competencies in related content area.

Prerequisite(s): CLSC6440 and CLSC6445

CLSC 7540 - Clinical Immunology (4 Credit Hours)

Clinical immunology is the study of diseases caused by disorders of the immune system. This course is designed to give students an understanding of the immune disease processes and immune responses in the context of infections, malignancies, and autoimmune disorders. It also involves diseases of other systems, where immune reactions play a part in the pathology and clinical features. Students will learn different laboratory testing procedures used to detect immune system disease and monitor the efficacy of treatment. A series of lectures covers course components; additional materials are presented through clinical laboratories that students perform coupled with clinical correlations that focus on clinically applied immunological concepts. An effort has been made to increase clinical relevance and problem-solving skills through an discussion board topics and other interactive classroom assignments. Advance competencies are required in this graduate level course.

Prerequisite(s): CLSC6640 and CLSC6645

CLSC 7680 - Clinical Biochemistry/Immunology Internship (5 Credit Hours)

Provides students practical experience of working in the clinical chemistry and immunology laboratories under the supervision of a medical technologist: specimen processing, analysis and reporting of patient test results. The students will be expected to perform critical evaluations of clinical cases and/or scientific papers and additional advanced practice competencies in related content area.

Prerequisite(s): CLSC6640 and CLSC6645

CLSC 7780 - Clinical Immunohematology Internship (3 Credit Hours)

Clinical course puts theory to continued practice performing tests on patient specimens and reporting results, completing cross matches, preparing components for issue, identifying multiple antibodies, processing blood components, and interviewing and drawing donors. The students will be expected to perform critical evaluations of clinical cases and/or scientific papers and additional advanced practice competencies in related content area.

Prerequisite(s): CLSC6740 and CLSC6745

CLSC 7880 - Clinical Hematology Internship (3 Credit Hours)

Practical application in techniques utilized in a clinical hematology, fluids, and hemostasis laboratory, also including quality assurance issues, problem solving skills, phlebotomy, and relative management issues. The students will be expected to perform critical evaluations of clinical cases and/or scientific papers and additional advanced practice competencies in related content area.

Prerequisite(s): CLSC6840 and CLSC6845

CLSC 7903 - Clinical Laboratory Science Review (3 Credit Hours)

A comprehensive review of the clinical laboratory sciences profession. The student will be expected to perform critical evaluations of clinical cases, critical evaluations of scientific papers, or additional advanced practice competencies in related content area.

CLSC 7940 - Clinical Molecular Methods (3 Credit Hours)

This course starts with a historical overview of some breakthrough discoveries that contributed to the establishment of molecular diagnostics. It focuses on molecular testing terminology and nucleic acids' qualities that are important in designing molecular procedures. The course covers applications of molecular testing by focusing on nucleic acids' target and signal amplification techniques currently approved by the FDA for infectious disease testing, including blood donor screening. The course also focuses on molecular testing in cancer, pharmacogenomics, and high-throughput technologies. The students will be expected to perform critical evaluations of clinical cases and/or scientific papers and additional advanced practice competencies in related content area.

Prerequisite(s): CLSC6640 and CLSC6645

CLSC 7945 - Clinical Molecular Methods Laboratory (2 Credit Hours)

Prerequisite: Concurrent enrollment in CLSC 7940.

This course provides students with practical experience of various techniques used in the molecular biology laboratory with emphasis on nucleic acid isolation procedures, quantifications, PCR and gel electrophoresis. The focus is on quality control measures unique for the molecular laboratory and prescribed by the Clinical Laboratory Standards Institute. The goal is to develop manual and analytical skills which will prepare the students for molecular analysis on clinical samples. The students will be expected to perform critical evaluations of clinical cases and/or scientific papers and additional advanced practice competencies in related content area.

Corequisite(s): CLSC7940

CLSC 7990 - Clinical Molecular Methods Internship (4 Credit Hours)

This course is an internship in a research and/or clinical environment where students further master their manual and analytical skills by performing molecular assays specific to the internship location with

emphasis on understanding the underlying biochemical processes. The main focus is targeted on infectious disease testing of patients and/or blood donors, as well as cancer diagnosis and monitoring. The students will be expected to perform critical evaluations of clinical cases and/or scientific papers and additional advanced practice competencies in related content area.
Prerequisite(s): CLSC7940 and CLSC7945

CLSC 7999 - CLS Clinical Practicum (0 Credit Hours)

This is a zero credit hour course. Students can register for this course to remain enrolled in their respective degree program while completing clinical internship rotations that were delayed due to the COVID-19 pandemic. *May be repeated for credit up to 3 times.*

COMPREHENSIVE CARE (CMPC)

CMPC 5701 - Comprehensive Care (5 to 19 Credit Hours)

The course is designed to equip the student with the necessary skills and knowledge to deliver comprehensive care and be competent in all aspects of general dentistry. It is intended to allow the student the opportunity to complete the needed experiences in order to challenge competency examinations which assess the ability of the student to make independent clinical decisions.

CMPC 5702 - Comprehensive Care (15 Credit Hours)

The course is designed to equip the student with the necessary skills and knowledge to deliver comprehensive care and be competent in all aspects of general dentistry. It is intended to allow the student the opportunity to complete the needed experiences in order to challenge competency examinations which assess the ability of the student to make independent clinical decisions.

CMPC 5901 - Comprehensive Care (5 to 17 Credit Hours)

The course is designed to equip the student with the necessary skills and knowledge to deliver comprehensive care and be competent in all aspects of general dentistry. It is intended to allow the student the opportunity to complete the needed experiences in order to challenge competency examinations which assess the ability of the student to make independent clinical decisions.
Grade Mode: Normal (A, B, C, D, F)

CMPC 5902 - Comprehensive Care (13 Credit Hours)

The course is designed to equip the student with the necessary skills and knowledge to deliver comprehensive care and be competent in all aspects of general dentistry. It is intended to allow the student the opportunity to complete the needed experiences in order to challenge competency examinations which assess the ability of the student to make independent clinical decisions.

COMMUNITY ORAL HEALTH PROMOTION (COHP)

COHP 5001 - Community Oral Health Promotion (1 Credit Hour)

This course is designed to provide all entering first year dental students with the introduction and overview of basic concepts in health promotion and community health. A philosophy of wellness emphasizes health promotion and disease prevention as an integral component of dental practice. Twelve hours of lecture as well as 2 hours of seminar and 2 hours of community service activities are provided so that students will gain the necessary knowledge and skill regarding the philosophy, modalities, rationale, and evaluation of oral health promotion and disease prevention activities in community and public health.

COMMUNICATION (COMM)

COMM 1110 - Public Speaking (3 Credit Hours)

An introduction to public speaking, including systematic library research, preparation, delivery, and

evaluation of presentations, and preparation and use of visual aids.

COMM 1110H- Honors: Public Speaking (3 Credit Hours)

An introduction to public speaking, including systematic library research, preparation, delivery, and evaluation of presentations, and preparation and use of visual aids. This is an honors course.

COMM 2000 - Writing for Communication Professionals (3 Credit Hours)

The course introduces students to writing for the communications professions. Students develop writing and information acquisition skills required in the various communications professions (print, digital, etc.). Prerequisite(s): (ENGL 1101 >= C or ENGL 1101H >= C or ENGL 1113 >= C) and (ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C) and (COMS1100 >= C or (COMM1100 >= C or COMM1110 >= C) or COMM1100H >= C

COMM 2010 - Media Literacy (3 Credit Hours)

A study of communication media in the United States. Students learn basic media concepts and how media influence and/or reflect cultural processes and products, social institutions, and human experience. Prerequisite(s): (COMM1100 >= C or COMM1110 >= C or COMM1100H >= C or COMS1100 >= C or COMS1010 >= C or COMS1020 >= C)

COMM 2020 - Introduction to Research (3 Credit Hours)

An introduction to qualitative and quantitative methods of research in communication. Prerequisite(s): (COMM1100 >= C or COMM1110 >= C or COMM1100H >= C)

COMM 2101 - Theatre Performance Practicum (1 to 2 Credit Hours)

Participation as an actor in a university theater production. May be repeated. Prerequisite(s): Permission of instructor. *May be repeated for credit.*

COMM 2102 - Theatre Production Practicum (1 to 2 Credit Hours)

Participation as a crew member or shopworker in a university theater production. May be repeated. Prerequisite(s): Permission of instructor. *May be repeated for credit.*

COMM 2200 - Introduction to Theatre (3 Credit Hours)

This course examines theatre as a unique form of artistic expression of human experiences and values. It provides a survey of constituent elements of theatrical works. Attendance at live theatre productions required.

COMM 2300 - Acting I (3 Credit Hours)

An introduction to the craft of the actor, including training in voice, movement, emotional sensitivity, improvisation, and scene study.

COMM 2960 - Preprofessional Internship (1 to 3 Credit Hours)

Allows new Communication majors to have preprofessional experience in communication fields earlier in their academic careers than the existing 4000-level internship course.

COMM 3000 - Theoretical Perspectives (3 Credit Hours)

This course provides an overview of theories and key concepts in the communication discipline, and their relation to understanding human culture. Prerequisite(s): COMM 2020 >= C

COMM 3010 - Advanced Public Speaking (3 Credit Hours)

This course provides further development of skills learned in the COMM 1110 course (or Core IMPACTS equivalent), including speech research, writing, and delivery, and additional development of skills for speaking in group formats.

Prerequisite(s): COMM 1110 >= C or COMM 1110H >= C

COMM 3020 - Writing for Multimedia Platforms (3 Credit Hours)

This course covers news gathering and disseminating content across platforms, including social media. The aim is to create publishable content in print and digital environments.

Prerequisite(s): COMM 2000 >= C

COMM 3030 - Audiovisual Media Production (3 Credit Hours)

This course covers the practical skills and associated technologies used in producing audiovisual media.

Prerequisite(s): (COMM 2010 >= C or FITH2001 >= C)

COMM 3040 - Interpersonal Communication (3 Credit Hours)

This course addresses the theories and practice of interpersonal communication. Topics to be explored include family communication, friendship communication, communication in romantic relationships, and conflict in interpersonal relationships.

Prerequisite(s): COMM 2020 >= C

COMM 3050 - Film History (3 Credit Hours)

This course surveys the development and influence of landmark films and filmmakers from the early silent era to the present day.

Prerequisite(s): COMM 2010 >= C

COMM 3060 - History of Mass Media (3 Credit Hours)

This course examines the development of American mass media and related industries and practices from colonial times to the present.

Prerequisite(s): COMM 2010 >= C

COMM 3070 - Film Appreciation (3 Credit Hours)

This course focuses on aesthetic understanding of the motion picture. Topics covered may include mise en scene, cinematography, editing, acting, and story.

Prerequisite(s): COMM 2010 >= C

COMM 3100 - Communications for Professionals (3 Credit Hours)

A skill-building course in various forms of professional oral and written communication. Included are business memo and letter writing, short report writing, informal and formal oral presentations, and the use of modern technology to improve written and oral presentations. Students will learn and demonstrate skills in organizing, writing, and presenting factual, promotional, attitudinal, and technical materials for various audiences. Technology will include current library research methods for business, presentation software, and communication media.

Prerequisite(s): (COMM1100 >= C or COMM1100H >= C or COMS1100 >= C or COMS1010 >= C or COMS1020 >= C or HONR1010 >= C or COMM1110H >= C or COMM1110 >= C) and (ENGL 1102 >= C or ENGL 1102H >= C)

COMM 3120 - Television Production (3 Credit Hours)

This course is intended to help students develop familiarity with studio and program production covering single and multi-camera approaches.

Prerequisite(s): COMM 2010 >= C

COMM 3150 - History of Performance (3 Credit Hours)

This course provides a survey of a particular era or event in theatre and/or performance history.

Prerequisite(s): COMM 2000 >= C

COMM 3170 - Small Group Communication (3 Credit Hours)

This course covers the concepts of group dynamics and interpersonal communicative behavior including

group interaction; member characteristics that influence groups; the effects of the environment, group size, and structure; leadership and social influence; communication process; and conflict resolution and decision making. As a result of taking this course students will be able to evaluate small group decision making, interaction, process, and effectiveness.

Prerequisite(s): COMM 2020 >= C or COMM 2000 >= C or COMM 2010 >= C

COMM 3180 - Television History (3 Credit Hours)

This course surveys the development and influence of the television medium from its beginning in the late 1940s to the present day.

Prerequisite(s): COMM 2010 >= C

COMM 3200 - Communication and Popular Culture (3 Credit Hours)

This course provides an overview of the study of popular culture from a communication perspective. It examines mass media commercialization and commodification, the sociopolitical impacts of popular culture, and the relevance of popular cultural texts and practices to human identity and self-expression. Students will learn historical and contemporary perspectives on popular culture and apply them to the analysis of popular cultural texts, practices, and audiences.

Prerequisite(s): (COMM 2010 >= C or COMM 2020 >= C)

COMM 3220 - Public Relations Writing (3 Credit Hours)

Study of various forms of public relations writing used in both corporate and non-profit settings.

Prerequisite(s): COMM 3600 >= C

COMM 3240 - Screenwriting (3 Credit Hours)

This course examines the craft and development of short-form and/or feature-length screenplays.

Prerequisite(s): COMM 2000 >= C

COMM 3250 - Persuasion (3 Credit Hours)

This course explores how communication influences perceptions, thoughts, and actions. Students learn the skills necessary to critically analyze persuasive communication in various contexts, including speeches, advertising, and popular culture.

Prerequisite(s): COMM 2020 >= C

COMM 3300 - Introduction to Visual Communication (3 Credit Hours)

Students will learn the basics of communicating visually. They will learn how to use form, color, shape, etc., to enhance written messages. They will learn the software and the basic techniques used to create common communications media such as fliers, brochures, magazines, annual reports, etc. They will learn how to create these media both in print and in online formats. They will also learn the software and basic techniques for image processing. Emphasis will be placed on the legalities of obtaining images from online sites.

Prerequisite(s): COMM 2010 >= C

COMM 3320 - Digital Editing (3 Credit Hours)

This course examines the theory and application of nonlinear video and audio editing.

Prerequisite(s): COMM 3030 >= C

COMM 3340 - Podcasting and Audio Communication (3 Credit Hours)

This course provides students with the basic skills of audio and podcast production, including how to write for broadcast, the development oral presentation technique, knowledge and application of production standards and ethics, and competence in production process, including proficiency in software applications.

Prerequisite(s): (COMM1100 >= C or COMM1110 >= C)

COMM 3400 - Voice and Movement (3 Credit Hours)

This course helps students to develop fundamentals of voice and movement in performance, including breathing, kinesthetic awareness, vocal placement and resonance, physical performance, and integration of vocal and physical elements of performance.

Prerequisite(s): (COMM1100 >= C or COMM1100H >= C)

COMM 3430 - Cinematography (3 Credit Hours)

This course provides an overview of the art and craft of motion picture photography. Students will learn cinematographers' essential principles, tools, practices, and protocols, and how choices in their application affect creative outcomes, in a hands-on environment.

Prerequisite(s): COMM 2010 >= C

COMM 3450 - Acting II (3 Credit Hours)

A continuation of COMM 2300. A study of text and subtext, the course will concentrate on scene study and character analysis.

Prerequisite(s): COMM 2300 >= C

COMM 3500 - Intercultural Communication (3 Credit Hours)

This course explores intercultural theories and research and examines the interactions of members of various cultures. Barriers to effective intercultural communication will be examined, as will methods of improving intercultural communication.

Prerequisite(s): COMM 2010 >= C or COMM 2020 >= C

COMM 3520 - Special Effects (3 Credit Hours)

This course demonstrates and explains composition, animation, and manipulation of images and other elements in moving image production.

Prerequisite(s): COMM 2010 >= C

COMM 3600 - Integrated Strategic Communication (3 Credit Hours)

This course examines common practices in the field of public relations, including study of the publics served and an evaluation of the effectiveness of public relations campaigns with emphasis on image building.

Prerequisite(s): COMM 2000 >= C

COMM 3620 - Writing for the Theatre (3 Credit Hours)

A workshop in the writing of one-act and full-length plays. Topics include: dramatic theory, plot structure, character, dialogue, naturalism, symbolism, theme, production problems, and manuscript format.

Students will write a one-act play or a short screen play.

Prerequisite(s): COMM 2000 >= C

COMM 3650 - Health Communication (3 Credit Hours)

This course surveys the field of health communication, including rational communication in healthcare settings, the role of technology, message and campaign design, and how effective communication can promote wellness for individuals and society.

Prerequisite(s): COMM 2000 >= C or COMM 2020 >= C

COMM 3700 - Directing for the Stage (3 Credit Hours)

This course explores the theory and practice of directing diverse texts for the stage.

Prerequisite(s): COMM 2300 >= C

COMM 3750 - Scenography (3 Credit Hours)

This course introduces students to the theoretical, practical, and technical elements, in the creation and execution of the theatrical stage production.

Prerequisite(s): COMM 2010 >= C

COMM 3900 - Junior Seminar in Communications (3 Credit Hours)

This course is a seminar-style exploration of a specific area of scholarly inquiry in the communication discipline. In this undergraduate research course, students will be expected to develop original work for presentation on- or off-campus, in a conference, colloquium, or similar professional venue.

Prerequisite(s): COMM 3000 >= C

COMM 4000 - Communication Law and Ethics (3 Credit Hours)

Introduction to the study of first amendment law and its associated areas that are relevant to communications professionals, including public relations, advertising, broadcasting, freedom of information, libel, privacy, and intellectual property. Consideration is also given to ethical concerns arising within these areas.

Prerequisite(s): COMM 3000 >= C and COMM 3010 >= C and COMM 3020 >= C and (COMM 3030 >= C or COMM 3300 >= C)

COMM 4010 - Preparing and Producing Visual Media (3 Credit Hours)

This course develops the skills needed for effective video and television production, on the set and behind the scenes, including on-camera interviewing, anchoring, and producing video segments.

Prerequisite(s): (COMM 2300 >= C or COMM 3010 >= C or COMM 3030 >= C)

COMM 4020 - Investigative Reporting (3 Credit Hours)

This course covers investigative news gathering and writing with an emphasis on reporting on public issues, using a full range of media platforms.

Prerequisite(s): COMM 3020 >= C

COMM 4030 - Sports Photography (3 Credit Hours)

The basic concepts and practices in sports photography, including developing an artistic vision, telling a story, how to best capture action in both moving and still photography, lighting, and more. Students gain practical experience in photographing live sports events.

COMM 4120 - Gender and Communication (3 Credit Hours)

This course explores gendered communication patterns in a variety of contexts and examines how communication creates and reinforces gender. Theories that explain how culture shapes gendered communication and how gendered communication shapes culture will be examined.

Prerequisite(s): (COMM 3000 >= C or COMM 3040 >= C or WGST1101 >= C)

COMM 4150 - Performance Studies (3 Credit Hours)

This course examines performance as a way of knowing and understanding the world and as a critical tool for engaging, analysing, and creating aesthetic texts.

Prerequisite(s): COMM 3010 >= C

COMM 4300 - Visual Storytelling (3 Credit Hours)

This course provides advanced work in visual communication. Students will learn to use images to tell stories in non-text-based-forms, such as infographics, photo essays, data visualization, and moving images.

Prerequisite(s): COMM 3300 >= C

COMM 4320 - Public Relations and Social Media Campaigns (3 Credit Hours)

The primary tool of a public relations practitioner is advocacy – aiding clients or employers in gaining access and influence in the marketplace of ideas. Advocacy is built upon ideas and images, persuasion and information, strategy and tactics, grounded in theory and research. It employs any and all public media – print, analog, digital, visual – what ever is determined to be the best means of connecting with the target audience. In this course, students will learn the techniques PR practitioners most commonly

use in their work as advocates. Instruction will be via case studies, instruction in communication campaign planning and budgeting, and hands-on projects.

Prerequisite(s): (COMM 2010 >= C and COMM 2000 >= C and COMM 3600 >= C)

COMM 4340 - Sports Communication (3 Credit Hours)

In Sports Communication, students will develop the skills, attitudes and expectations of sports journalism (including broadcasting), sports media relations, and sports marketing. It is a course designed to teach students how to write event, feature, and explanatory stories, and to tell these stories in several platforms—including print, podcasting, and still photography, as well as how to develop stories with social media. Students will create traditional game stories; construct profiles of athletes or coaches; and produce an enterprise story about a major issue in contemporary sports.

Prerequisite(s): COMM 2000 >= C

COMM 4400 - Media Editing and Production (3 Credit Hours)

This course provides skills development in media strategy, leadership, team building, planning, editing, and promoting media organizations and products.

Prerequisite(s): COMM 3020 >= C or COMM 3030 >= C

COMM 4450 - Performance Theory and Practice (3 Credit Hours)

Advanced study of selected theatre and performance theories and methods.

Prerequisite(s): COMM4150 >= C

COMM 4950 - Advanced Special Topics in Communications (3 Credit Hours)

Advanced study of various topics in communications. *May be repeated for credit.*

Prerequisite(s): COMM 2000 >= C and COMM 2010 >= C and COMM 2020 >= C

COMM 4960 - Professional Internship (3 to 6 Credit Hours)

This course provides additional preprofessional training in a professional workplace and the chance to apply formal education to a real-world experience. Students will apply skills and concepts, clarify career goals, and benefit from professional networking. *May be repeated for credit up to 1 time.*

Prerequisite(s): COMM 3000 >= C and COMM 3010 >= C and COMM 3020 >= C and (COMM 3030 >= C or COMM 3300 >= C); Grade Mode: Satisfactory/Unsatisfactory, Normal (A, B, C, D, F)

COMM 4970 - Capstone (3 Credit Hours)

This course represents a capstone experience, and should be taken during the student's final semester, after successful application. Students will develop, produce, and distribute media using skill-sets acquired in earlier coursework. Relevant skills include print and digital journalism and public relations, performance, and visual media. Prerequisite(s): Permission of Instructor.

Prerequisite(s): (COMM 3000 >= C and COMM 3010 >= C and COMM 3020 >= C and COMM 3030 >= C and COMM 3600 >= C)

COMM 4990 - Undergraduate Student Research (3 Credit Hours)

This course provides an undergraduate experience in communication research. Focus is split among scholarly creative work, professional research, and academic research. Students will develop a research project appropriate for presentation or exhibition in an academic or professional venue. *May be repeated for credit up to 1 time.*

Prerequisite(s): COMM 2000 >= C and COMM 2010 >= C and COMM 2020 >= C and COMM 3000 >= C

COMM 5650 - A Survey of Health Communication (3 Credit Hours)

A broad overview of health communication. Explores health communication within interpersonal, group and organizational, global, and digital contexts. Additionally, students develop skills to understand and critically reflect on how human sense-making, communication, and social practices construct, challenge, and negotiate health and healthcare.

COOPERATIVE EDUCATION (COOP)

COOP 2000 - Alternating Cooperative Education (0 Credit Hours)

Students participate in a Co-op work experience related to their field of study and alternate between semesters of full-time work and enrollment in full-time school. Registration for this course during work semesters is equivalent to full-time student status. Alternating positions require a minimum of two work terms. Prerequisite(s): Minimum overall GPA (cumulative or adjusted) of 2.5, a declared major, with at least 24 credit hours complete toward a baccalaureate degree or one full semester (9 hours) toward a master's degree or post-baccalaureate work. Approval from the Career Services Office is required. *May be repeated for credit.*

COOP 2001 - Parallel Cooperative Education (0 Credit Hours)

A part-time, on-going work plan directly related to the student's field of study. Students must work a minimum of fifteen hours per week while continuing enrollment in school. The student can only maintain full-time academic status by being enrolled as a full-time student concurrent with their work plan. Prerequisite(s): Minimum overall GPA (cumulative or adjusted) of 2.5, a declared major, with at least 24 semester hours complete toward a baccalaureate degree or one full semester (9 hours) toward a master's degree or post-baccalaureate work. Minimum of two terms of work experience and approval from the Career Services Office. *May be repeated for credit.*

COOP 2002 - Cooperative Internship (0 Credit Hours)

A one semester, non-credit, paid work experience related to the student's field of study. The number of work hours is determined by the student's individual academic needs and the agency's needs. This course number is not used if the student is enrolled in an internship for credit with an academic department. Registration for this course is equivalent to full-time student status only if the internship is full-time and the student is not enrolled for course work concurrently during this period. Prerequisite(s): Minimum overall GPA (cumulative or adjusted) of 2.5, a declared major, with at least 24 semester hours complete toward a baccalaureate degree or one full semester (9 hours) toward a master's degree or post-baccalaureate work. Minimum of one term of work experience and approval from the Career Services Office. *May be repeated for credit.*

COUNSELING (COUN)

COUN 3660 - Helping Skills for Personal and Professional Environments (3 Credit Hours)

An introduction to basic helping skills and their practical applications in a variety of personal and career settings. Students will learn and practice various helping techniques as well as how to apply these skills in work or personal environments.

COUN 6620 - Human Growth and Development for Counselors (3 Credit Hours)

The course is designed to broaden understanding of human growth and development across the life span with emphasis on the interwoven domains of development (physical, cognitive, social, and emotional) and the contextual factors influencing each. Theoretical, practical, and research perspectives will be examined as they apply to the profession of counseling.

COUN 6630 - Professional Orientation and Ethics (3 Credit Hours)

This course is an introduction to the role, responsibilities, identity, and functions of the professional counselor. It will also provide basic legal and ethical information for issues involving school and community counselors. Resources will be provided to assist students in processing and confronting a variety of professional and ethical issues that do not have specific or clear solutions. Ideas will be exchanged to help clarify individual positions on many current issues that must be met by counselors.

COUN 6640 - Comprehensive Assessment in Counseling (3 Credit Hours)

This course will introduce the use of comprehensive assessment in counseling. Students will become familiar with various approaches used when conducting comprehensive assessments including, but not limited to- standardized tests, projective methods, self-report, behavioral observation, and clinical interviews. Students will also learn how to select, administer, score, interpret, report, and utilize assessment data in a variety of counseling settings.

COUN 6650 - Research and Evaluation in Counseling (3 Credit Hours)

This course will introduce the basic principles and foundations of counseling research, including common research and program evaluation practices used in counseling and counselor education. Students will become familiar with the scholarly research process, understand basic psychometric concepts, and be able to perform various data analyses.

COUN 6660 - Communication Skills in Counseling (3 Credit Hours)

A didactic and experiential study of the core dimensions of counseling practice that include verbal and non-verbal skills aimed at establishing an empathic relationship that facilitates the client's exploration of developmental problems and assists the client's transition to awareness and initiating steps toward cognitive/behavioral change.

COUN 6670 - Group Counseling (3 Credit Hours)

In this course, students will explore the fundamentals of group process and dynamics with an emphasis on group work in school and clinical mental health settings. The topics covered will include group theory, stages of development, ethics, methods, and group leadership. Practical approaches to group work with young people will also be addressed.

COUN 6680 - Theories and Techniques of Counseling (3 Credit Hours)

An introduction to the theoretical approaches to counseling and their practical applications in a variety of clinical settings. Students will examine the effects of different counselor roles and values, ethical and legal considerations, and professional organizations.

COUN 6700 - Couples and Family Counseling (3 Credit Hours)

An introduction to the principles of family systems theory and their applications in family therapy practice. Included are family life cycle development, stages of relationships, premarital assessment, marriage enrichment, intervention strategies, divorce adjustment, and issues such as codependency, single-parent families, and child, spouse, and elderly abuse. Specific techniques for conducting marriage and family therapy will be presented along with considerations of current issues and ethical practices. Students completing the course at the 7700 level will complete additional assignments.

COUN 6720 - Career Development Theories and Practice (3 Credit Hours)

This course will provide student counselors with the knowledge and skills necessary to conduct career counseling aimed at providing clients insight and direction related to their vocational goals. Students will examine theories of career development, sources of occupational and educational information, life-style and career decision-making processes, assessment instruments and program development.

COUN 6760 - Diversity Sensitivity in Counseling (3 Credit Hours)

This course is designed to introduce the counselor trainee to the many aspects of counseling which are important to specific considerations for persons of a race, ethnicity, nationality, gender, sexual orientation, age, or physical disability different from their own race, ethnicity, nationality, gender, sexual orientation, age, or physical disability.

COUN 6770 - Crisis Intervention Counseling (3 Credit Hours)

This course is designed to prepare students to respond effectively in critical situations, and to help counsel clients who are experiencing crisis events in their lives. Students will learn that crises interventions are founded on theory and be able to apply that theory to crisis intervention techniques.

Special attention will be paid to counseling approaches for use with circumstantial and developmental life crisis.

COUN 6780 - School Counseling (3 Credit Hours)

The course will provide an introduction to current concepts relative to the school counseling profession. Practical application of concepts within the diverse range of school environments will be covered. Structuring and implementation of a feasible, comprehensive school counseling program will be emphasized. Students completing this course at the 7780 level will complete additional course requirements. Prerequisite(s): Permission of the instructor.
Prerequisite(s): COUN6630 >= C and COUN6660 >= C

COUN 6790 - Clinical Mental Health Counseling (3 Credit Hours)

The practice of clinical mental health counseling will be discussed as well as the most current issues and practices for community work in the 21st century. Special emphasis will be placed on the practice of diversity, ethics, and the role of the counselor as a change agent and advocate. This course will include planning and implementing productive clinical mental health counseling programs, providing students with a basic understanding of the role of the clinical mental health counselor services offered by community agencies and information regarding the settings in which they are offered. Students completing this course at the 7790 level will complete additional course requirements.
Prerequisite(s): COUN6630 >= C and COUN6660 >= C

COUN 6800 - Diagnosis and Psychopathology in Counseling (3 Credit Hours)

This course focuses on the role of the DSM and diagnosis in counseling. Students will become familiar with the current classification system of psychopathology while studying common affective, cognitive, behavioral, and personality disorders from both etiological and treatment outcomes perspectives. Students completing this course at the 7800 level will complete additional course requirements.

COUN 6820 - Administration and Consultation for School Counselors (3 Credit Hours)

This is a didactic/experiential course providing beginning counselors with the knowledge necessary to: 1) develop and administer a comprehensive counseling program in school or community settings, and 2) develop the skills necessary to function as a consultant in psycho-educational and organizational settings.
Prerequisite(s): COUN6780 >= C

COUN 6830 - Advanced Topics in School Counseling (3 Credit Hours)

An advanced-level course designed to equip aspiring school counselors with a comprehensive understanding of the critical intersection between positive and adverse childhood experiences (PACES), neurodevelopmental factors, and the promotion of resilience in students. Drawing from interdisciplinary perspectives, the course delves into the complex interplay between psychological, social, and emotional factors that shape a child's overall well-being and educational experience. Through a combination of theoretical frameworks, empirical research, case studies, and practical applications, participants gain the knowledge and skills necessary to enhance their effectiveness in supporting students facing various challenges.
Prerequisite(s): COUN 6780 and COUN 6820 and COUN 6880

COUN 6840 - Introduction to Addictions Counseling (3 Credit Hours)

This course is specifically designed to function as a specialty course in the graduate counselor training program. The course experience provides an overview of the strategies, methods, and knowledge necessary for the effective identification and treatment of a broad range of addictive behaviors. The course will examine the biological, psychological, sociological, and behavioral components of addiction. As such, the course will focus on such issues as drug effects, assessment and diagnosis, counseling interventions, effects on family functioning and family interventions, relapse prevention, change maintenance strategies, primary prevention programming, and the related research.

COUN 6850 - Treatment Planning and Intervention in Counseling (3 Credit Hours)

This course provides advanced study in the use of empirically-supported counseling techniques and interventions used in the treatment of diverse pathologies. Students will learn how to synthesize diagnostic, case conceptualization, and treatment planning skills while also becoming familiar with best practices for measuring client outcomes.

Prerequisite(s): COUN6680 >= C and COUN6800 >= C

COUN 6860 - Counseling Children and Adolescents (3 Credit Hours)

This course has been specifically designed for graduate students specializing in the school counseling track and for those students in the community counseling specialty who hold a professional interest in working extensively with children and adolescents in a variety of community practice settings. The course is designed to address both theoretical and practice aspects of counseling children. The course will synthesize concepts from research and practice and will involve students in current methods for helping children and adolescents with specific developmental, social, or behavioral problems. Special issues relative to counseling exceptional children, as well as children attempting to contend with divorce, death, abuse, satanic cults, homelessness, alcoholism, and AIDS will also be addressed. Students completing this course at the 7860 level will complete additional course requirements. Prerequisite(s): COUN 6620.

Prerequisite(s): COUN6620 >= C and COUN6630 >= C and COUN6660 >= C

COUN 6870 - Gender and Sexuality Issues in Counseling (3 Credit Hours)

This course is designed to provide students with an opportunity to develop a knowledge base regarding the theories and research about gender and sex-role socialization, and human sexuality. Biological, cognitive, psychological, and emotional differences among genders and sexual identities and orientations are explored. Gender-related problems, situations, and other counseling concerns (i.e., domestic violence, single-parent families, mid-life crises) and sexuality issues (i.e., coming out process, identification, intimacy concerns, biology) are explored. Students apply concepts and constructs to develop the following: gender-appropriate treatment plans, gender-sensitive therapeutic techniques and skills, appropriate treatment plans for sexual issues and concerns, and knowledge of human sexuality issues and resources.

COUN 6880 - Practicum in School Counseling (3 Credit Hours)

This course is designed to function as students' first clinical skills-building experience with particular emphasis on helping each student develop their therapeutic skills with a range of client presenting concerns in a school setting. Students are required to complete a supervised clinical experience that totals a minimum of 150 clock hours.

Prerequisite(s): COUN6630 >= C and COUN6660 >= C and COUN6680 >= C and PSYC 6147 >= C

Additional Course Fee: Counselor Ed Clinical/Intern Fee - \$100 Flat Fee

COUN 6890 - Practicum in Clinical Mental Health Counseling (3 Credit Hours)

The Practicum in Clinical Mental Health Counseling is designed to function as students' first clinical skills-building experience with particular emphasis on helping each student develop their therapeutic skills with a range of client presenting concerns within a clinical mental health setting. Candidates are required to complete a supervised clinical experience that totals a minimum of 150 clock hours.

Prerequisite(s): COUN6630 >= C and COUN6660 >= C and COUN6680 >= C and COUN6850 >= C

Additional Course Fee: Counselor Ed Clinical/Intern Fee - \$100 Flat Fee

COUN 6900 - Internship I in School Counseling (3 Credit Hours)

Counseling Internship I is designed to meet certification and accreditation standards. This is a tutorial form of instruction designed to be completed in a K-12 school setting outside of the university. The internship provides an opportunity for the student to perform a variety of professional counseling activities that a regularly employed counselor in the schools would be expected to perform. The program requires students to complete a clinically supervised internship of 300 clock hours each semester. *May be repeated for credit.*

Prerequisite(s): COUN6880 >= C

Additional Course Fee: Counselor Ed Clinical/Intern Fee - \$100 Flat Fee

COUN 6910 - Internship I in Clinical Mental Health Counseling (3 Credit Hours)

Internship I in Clinical Mental Health Counseling is a tutorial form of instruction designed to be completed in a counseling facility outside of the university. The internship provides an opportunity for the candidate to perform, within a clinical mental health setting, a variety of professional counseling activities that a regularly employed staff member in the setting would be expected to perform. This class requires completion of a 300 hour clinically supervised internship.

Prerequisite(s): COUN6880 >= C

Additional Course Fee: Counselor Ed Clinical/Intern Fee - \$100 Flat Fee

COUN 6920 - Internship II in School Counseling (3 Credit Hours)

This is the second part of an Internship and the Capstone course for the M.Ed. program in counseling. This is a tutorial form of instruction designed to be completed in a K-12 school setting outside the university. The internship provides an opportunity for the student to perform a variety of professional counseling activities that a regularly employed counselor in the schools would be expected to perform. The program requires students to complete a clinically supervised internship of 300 clock hours to bring the total number of internship hours to 600 clock hours. *May be repeated for credit.*

Prerequisite(s): COUN6900 >= C

Additional Course Fee: Counselor Ed Clinical/Intern Fee - \$100 Flat Fee

COUN 6930 - Internship II in Clinical Mental Health Counseling (3 Credit Hours)

Internship II in Clinical Mental Health Counseling is a tutorial form of instruction designed to be completed in a counseling facility outside of the university. The internship provides an opportunity for the candidate to perform, within a clinical mental health setting, a variety of professional counseling activities that a regularly employed staff member in the setting would be expected to perform. This class requires completion of a 300 hour clinically supervised internship.

Prerequisite(s): COUN 6910 >= C

Additional Course Fee: Counselor Ed Clinical/Intern Fee - \$100 Flat Fee

COUN 6950 - Problems and Issues in the Practice of Counseling (1 to 3 Credit Hours)

The course is a variable credit, supervised independent study or seminar in contemporary problems and issues in the field of counseling. Students will receive instructor supervision and expertise, and complete a collaboratively developed research project. Course may be repeated for credit. Students completing this course at the 7950 level will complete additional course requirements. Prerequisite(s): Graduate status and prior approval by the faculty instructor or supervisor. *May be repeated for credit.*

COUN 6960 - Introduction to Play Therapy (3 Credit Hours)

Introduction to play therapy and a wide variety of play therapy techniques that can be utilized with clients in a counseling setting. This course is highly experiential, and participation in the play activities is required. The purpose of this course is to provide students with an overview of the essential elements and principles of play therapy, including history, theories, modalities, techniques, applications, and skills (Association for Play Therapy [APT], 2010). The experiential components focus on basic play therapy skills development within the context of ethical and diverse sensitive practice.

COUN 7700 - Couples and Family Counseling (3 Credit Hours)

An introduction to the principles of family systems theory and their applications in family therapy practice. Included are family life cycle development, stages of relationships, premarital assessment, marriage enrichment, intervention strategies, divorce adjustment, and issues such as codependency, single-parent families, and child, spouse, and elderly abuse. Specific techniques for conducting marriage and family therapy will be presented along with considerations of current issues and ethical practices. Students completing the course at the 7700 level will complete additional assignments.

COUN 7780 - School Counseling (3 Credit Hours)

The course will provide an introduction to current concepts relative to the school counseling profession. Practical application of concepts within the diverse range of school environments will be covered. Structuring and implementation of a feasible, comprehensive school counseling program will be emphasized. Students completing this course at the 7780 level will complete additional course requirements. Prerequisite(s): Permission of the instructor.
Prerequisite(s): COUN6630 >= C and COUN6660 >= C

COUN 7790 - Clinical Mental Health Counseling (3 Credit Hours)

The practice of clinical mental health counseling will be discussed as well as the most current issues and practices for community work in the 21st century. Special emphasis will be placed on the practice of diversity, ethics, and the role of the counselor as a change agent and advocate. This course will include planning and implementing productive clinical mental health counseling programs, providing students with a basic understanding of the role of the clinical mental health counselor services offered by community agencies and information regarding the settings in which they are offered. Students completing this course at the 7790 level will complete additional course requirements.
Prerequisite(s): COUN6630 >= C and COUN6660 >= C

COUN 7800 - Assess, Diagnosis and Intervention (3 Credit Hours)

This course is designed to provide students with an opportunity to develop a knowledge base regarding the nomenclature and criteria imperative in the analysis and diagnosis of mental disorders. The student will also have an opportunity to become acquainted with treatment suggestions and crises intervention techniques. Students completing this course at the 7800 level will complete additional course requirements.

COUN 7840 - Introduction to Addictions Counseling (3 Credit Hours)

This course is specifically designed to function as a specialty course in the graduate counselor training program. The course experience provides an overview of the strategies, methods, and knowledge necessary for the effective identification and treatment of a broad range of addictive behaviors. The course will examine the biological, psychological, sociological, and behavioral components of addiction. As such, the course will focus on such issues as drug effects, assessment and diagnosis, counseling interventions, effects on family functioning and family interventions, relapse prevention, change maintenance strategies, primary prevention programming, and the related research. Students completing this course at the 7840 level will complete additional course requirements.

COUN 7850 - Treatment Planning in Clinical Mental Health Counseling (3 Credit Hours)

This course is advanced study in theoretical techniques and interventions in counseling. Experiential in nature, the course will help students integrate diagnostic, case conceptualization and treatment planning skills, and review empirically-supported treatments and best practices for measuring client outcomes in a managed care context. Students completing this course at the 7850 level will complete additional course requirements.
Prerequisite(s): COUN6680 >= C and COUN6800 >= C

COUN 7860 - Counseling Children and Adolescents (3 Credit Hours)

This course has been specifically designed for graduate students specializing in the school counseling track and for those students in the community counseling specialty who hold a professional interest in working extensively with children and adolescents in a variety of community practice settings. The course is designed to address both theoretical and practice aspects of counseling children. The course will synthesize concepts from research and practice and will involve students in current methods for helping children and adolescents with specific developmental, social, or behavioral problems. Special issues relative to counseling exceptional children, as well as children attempting to contend with divorce, death, abuse, satanic cults, homelessness, alcoholism, and AIDS will also be addressed. Students completing this course at the 7860 level will complete additional course requirements.

Prerequisite(s): COUN6620 >= C

COUN 7870 - Gender Issues in Counseling (3 Credit Hours)

This course is designed to provide students with an opportunity to develop a knowledge base regarding the theories and research about gender and sex-role socialization. Biological, cognitive, psychological, and emotional differences between males and females are explored. Gender-related problems, situations, and other counseling concerns are addressed (i.e., domestic violence, single-parent families, mid-life crises). Students apply concepts and constructs to develop gender appropriate treatment plans and implement gender-sensitive therapeutic techniques and skills. Students completing this course at the 7870 level will complete additional course requirements.

COUN 7910 - Professional Identity and Development in Counseling (3 Credit Hours)

This course is designed to build upon basic knowledge of the role, responsibilities, identity, and functions of the professional counselor. It will provide information on the characteristics and practices of expert counselors. Resources will be provided to assist students with initiating personal wellness and professional development plans. Students will write and submit a formal proposal for presentation at a professional counselors meeting. Ideas will be exchanged to help clarify individual positions on a variety of current issues in counseling.

COUN 7930 - Advanced Multicultural Awareness (3 Credit Hours)

This course is designed to build upon a basic knowledge of the cultural context of relationships, issues, and trends in a multicultural and diverse society. Factors such as culture, ethnicity, nationality, age, gender, sexual orientation, mental and physical characteristics, education, family values, religious and spiritual values, socioeconomic status, and unique characteristics of individuals, couples, families, ethnic groups, and communities will be considered. Students also will explore how counselors and clients experience crossing cultural boundaries, methods for effecting change related to culture, multicultural strategies for working with clients, and multicultural issues in counselor supervision. Prerequisite(s): Program admission or permission of the instructor is required.

COUN 7940 - Advanced Counseling Theory (3 Credit Hours)

This course is designed as a didactic and experiential in-depth study of counseling theories including traditional, multicultural, feminist, and developmental perspectives. Formulation and evaluation of the theoretical basis for approaches to counseling include a study of historical and contemporary perspectives.

COUN 7950 - Problems and Issues in the Practice of Counseling (1 to 3 Credit Hours)

The course is a variable credit, supervised independent study or seminar in contemporary problems and issues in the field of counseling. Students will receive instructor supervision and expertise, and complete a collaboratively developed research project. Course may be repeated for credit. Students completing this course at the 7950 level will complete additional course requirements. Prerequisite(s): Graduate status and prior approval by the faculty instructor or supervisor. *May be repeated for credit.*

COUN 7960 - Counseling Supervision (3 Credit Hours)

A comparative study of major approaches to counseling supervision and related research with emphasis on historical foundations of supervision, supervisor traits, and application of concepts and techniques to specific practice settings.

COUN 7965 - Advanced Practicum in Counseling Supervision I (1 Credit Hour)

This course provides practical experience for counseling professionals who will have responsibility directing personal and professional development of counselors, promoting counselor competency, and developing and implementing counseling services and programs. Students gain practice in the supervisory role over three semesters through their participation as individual and/or group supervisors as

they are monitored by counseling program faculty. Prerequisite(s): Program admission is required; completion of or concurrent enrollment with COUN 7960.
Prerequisite(s): COUN7960 >= C

COUN 7966 - Advanced Practicum in Counseling Supervision II (1 Credit Hour)

This course provides practical experience for counseling professionals who will have responsibility directing personal and professional development of counselors, promoting counselor competency, and developing and implementing counseling services and programs. Students gain practice in the supervisory role over three semesters through their participation as individual and/or group supervisors as they are monitored by counseling program faculty.
Prerequisite(s): COUN7960 >= C

COUN 7967 - Advanced Practicum in Counseling Supervision III (1 Credit Hour)

This course provides practical experience for counseling professionals who will have responsibility directing personal and professional development of counselors, promoting counselor competency, and developing and implementing counseling services and programs. Students gain practice in the supervisory role over three semesters through their participation as individual and/or group supervisors as they are monitored by counseling program faculty.
Prerequisite(s): COUN7960 >= C

COUN 7970 - Advanced Seminar in Group Counseling (3 Credit Hours)

This course is structured as a supervision seminar and is designed for students who have had introductory coursework in group techniques, at least one counseling practicum, experience as a group member, and preferably, some experience leading groups. It is assumed that students understand fundamental group dynamics, group development theory, the role of the group leader, and basic skills necessary to lead groups. The goals of this course are to deepen students' understanding of essential group leadership concepts and skills and to help students achieve advanced levels of theoretical conceptualizations in working with groups.

COUN 7980 - Advanced Internship in Counseling (3 Credit Hours)

In this course, students will explore the fundamentals of group process and dynamics with an emphasis on group work in school and clinical mental health settings. The topics covered will include group theory, stages of development, ethics, methods, and group leadership. Practical approaches to group work with young people will also be addressed. *May be repeated for credit up to 1 time.*

COUN 7990 - Professional and Community Collaboration (3 Credit Hours)

This experiential and collaborative inter-program course is designed to equip educators with proven skills and tools for initiating and sustaining systemic change to transform schools through promoting, leading, and participating in high performance integrated educational teams. This course will focus on effective interpersonal and organizational communication related to today's pressing issues in American schools. Key areas will include presentation skills, facilitation, team building, and organizational change. The course is intentionally designed to be delivered in three intensive weekends to immerse students in course content and group dynamics. Prerequisite(s): Program admission or permission of the instructor is required.

CPR FOR DENTISTRY (CPRD)

CPRD 5602 - Basic Cardiac Life Support II (1 Credit Hour)

In this course the student completes a Basic Cardiac Life Support Healthcare Provider course according to the standards established by the American Heart Association.

CRIMINAL JUSTICE (CRJU)

CRJU 1103 - Introduction to Criminal Justice (3 Credit Hours)

The history and philosophy of law enforcement, criminal justice administration, and criminal rehabilitation. Criminal justice is examined as a product of social forces and as a modern institution which impacts upon other social institutions. Emphasis on criminal justice as a process involving many organizations and agencies with diverse clientele and purposes.

CRJU 2950 - Selected Topics (1 to 3 Credit Hours)

A variable content course. Either 1) a faculty-initiated course which allows students the opportunity to enroll in specifically titled courses, or 2) a student-initiated directed study at an introductory level.

Prerequisite(s): Permission of instructor; and contractual agreement with department chair. Only one 2950 course may be included in the major. *May be repeated for credit.*

Prerequisite(s): CRJU1103 >= D

CRJU 3000 - Criminology (3 Credit Hours)

The study of criminal behavior and its treatment. The development of criminal behavior and societal reaction in contemporary society are addressed in terms of major social theories of crime and its causation. The treatment and rehabilitation of the offender by probation, imprisonment, and parole are addressed in terms of philosophy and policy.

Prerequisite(s): SOCI 3001 >= C or SOCI 3002 >= C or SOCI 3003 >= C or SOSC 3001 >= C or SOSC 3002 >= C or SOSC 3003

CRJU 3305 - Criminal Evidence (3 Credit Hours)

A thorough study of the rules of evidence with specific emphasis on the application of these rules in preparing reports and presenting evidence in the criminal justice system. This will include a history and development of evidentiary rules, both federal and state, including substitutes and general admissibility tests. Study of testimonial documentary, real (physical) evidence and exclusion of evidence-based on constitutional requirements.

Prerequisite(s): CRJU1103 >= C

CRJU 3325 - Homeland Security and Counter-Terrorism (3 Credit Hours)

This course will provide students a clear understanding of the principles of homeland security and counter-terrorism, the roles and responsibilities of constituencies, and the implications for criminal justice fields. This course will examine the concept of terrorism, domestic and international terrorism, counterterrorism and the role of homeland security. Students will examine, analyze, and discuss law enforcement and security issues that relate to confronting terrorism such as: intelligence and warning, border and transportation security, domestic counterterrorism, protecting critical infrastructure, defending against catastrophic threats, and emergency preparedness and response.

Prerequisite(s): CRJU1103 >= C

CRJU 3327 - Crimes Against People (3 Credit Hours)

The course will analyze the various issues which arise in investigating crimes against persons, including the investigation of such crimes, along with special problems such as the growing problem of crimes against the elderly.

Prerequisite(s): CRJU1103 >= C

CRJU 3328 - Police Science and Investigations (3 Credit Hours)

A comprehensive introduction and overview to the social scientific study of the police, criminal investigations, investigative techniques. The advent of the police and their changing role in American society are examined. Major topics include: the historical foundations of the American police, the variability in both police officers and the structure of law enforcement organizations, the nature and realities of police work, various issues confronting the police in a democratic context, and future trends and directions in policing practice and research.

Prerequisite(s): CRJU 1103 >= C

CRJU 3330 - Social Deviance (3 Credit Hours)

Covers theoretical and empirical issues in the understanding and designations of deviant behavior; addresses the analysis of the social causes and consequences of deviance, conformity, and societal reactions.

Prerequisite(s): SOCI 1160 >= C

CRJU 3331 - Youth and Society (3 Credit Hours)

A study of the history of changing conceptions of childhood, the family, and childhood socialization; the invention of adolescence and the various attributions to childhood and adolescence; and a survey of major developmental schemes of adolescence with an emphasis on characteristics of American adolescence as conducive to delinquency.

Prerequisite(s): SOCI 1160 >= C

CRJU 3332 - Juvenile Delinquency (3 Credit Hours)

The philosophy, theory, and history of juvenile delinquency, including its causes, preventions, and measurement from sociological perspectives.

Prerequisite(s): SOCI 1160 >= C

CRJU 3333 - Introduction to Corrections (3 Credit Hours)

A survey of the correctional field, including probation, imprisonment, parole, and community corrections. Specific concern will be with the evolution of these programs, their present structure, and current problems.

Prerequisite(s): (CJ1103 >= D or CRJU1103 >= D or CJ103 >= D)

CRJU 3334 - Institutional Corrections (3 Credit Hours)

A survey of institutional confinement or the punishment and rehabilitation of criminal offenders. Specific concerns will focus on the history of confinement, the philosophical, legal, and social justifications of incarceration, and the current problems and criticisms of correctional institutions.

Prerequisite(s): (CJ1103 >= D or CJ103 >= D or CRJU1103 >= D or SOCI 1101 >= D or SOCI 1101H >= D or SOC101 >= D)

CRJU 3335 - Community Corrections (3 Credit Hours)

A survey of non-institutional corrections in the American administration of justice including relevant legal and philosophical issues surrounding those practices. Specific concerns include the use of probation and parole in relation to institutional confinement, the variety of contemporary programs, and their presence in society.

Prerequisite(s): (CRJU1103 >= D or CJ1103 >= D or CJ103 >= D) or (SOCI 1101 >= D or SOCI 1101H >= D or SOC101 >= D) and (SOCI 1160 >= D or SOC202 >= D)

CRJU 3336 - Women, Crime and the Criminal Justice System (3 Credit Hours)

A sociological analysis of women as criminal offenders and as workers in criminal justice fields. Examines the socio-historical construction of gender for its influences on criminal law and the practices of criminal justice agencies. Covers historical perspectives on women and crime, the adequacy of contemporary criminological perspectives for explaining female criminality.

Prerequisite(s): (SOCI 1160 >= C or WMST1101 >= C or CRJU1103 >= C)

CRJU 3341 - White Collar Crime (3 Credit Hours)

The study of criminal abuse of trust and power in corporations and government, including corporate abuse of power against owners, employees, publics-in-contact, and the public-at-large, as well as official response to such crimes. Organized crime, computer crime, electronic crime, securities fraud, and relevant law enforcement strategies are analyzed and contrasted with street crime.

Prerequisite(s): (CRJU1103 >= D or CJ1103 >= D or CJ103 >= D or SOCI 1101 >= D or SOCI 1101H >=

D or SOC101 >= D)

CRJU 3342 - Organized Crime (3 Credit Hours)

This course will provide students a clear understanding of organized crime from social, political and economic perspectives: what it is, how it has evolved, where it stands, where it is headed, and how societies can respond to it. This course will dispel long-standing myths surrounding organized crime and consider the phenomenon in all its forms. This course not only studies the origins of organized crime, it will also analyze current topics of drug trafficking, gangs and terrorism, as well as organized crime groups from South and Central America, Japan, Russia, Ireland, and the Italian mafia.

Prerequisite(s): CRJU1103 >= C

CRJU 3540 - Cyber Crime (3 Credit Hours)

An introduction to cyber crime from a criminological perspective. This course will cover the history of computer based crime; the legal, social, and technical impact of cybercrime; and the types of crimes committed with the assistance of a computer. Additional topics include investigating and policing the cyber world, punishment and jurisdiction issues, and victimization.

CRJU 3600 - Victimology and Victimization (3 Credit Hours)

An overview of the sociological approach to victimology and victimization. Topics include: situating victimization within the broader criminological sciences, classic and contemporary theoretical approaches to victimization, the social construction of victimization and "worthy victims," approaches to victimization within the criminal justice system, and impact of victimization on individuals and communities. The role of social inequalities is examined.

Prerequisite(s): CRJU 1103 >= C; Cross-Listed Course(s): SOCI 3600

CRJU 3950 - Selected Topics (1 to 3 Credit Hours)

A variable content course. Either 1) a faculty-initiated course which allows students the opportunity to enroll in specifically titled courses, or 2) a student-initiated directed study at an introductory level.

Prerequisite(s): Permission of instructor, and contractual agreement with department chair. *May be repeated for credit up to 98 times.*

Prerequisite(s): SOCI 1160 >= D

CRJU 4010 - Hate Crimes (3 Credit Hours)

This course explores the contemporary social problem "hate crime." Hate and discrimination have long been part of our collective experience, but only recently has the term hate crime emerged to define very specific forms of discrimination that involve criminal acts motivated by bias. This course will seek to examine this emerging social phenomenon.

Prerequisite(s): (SOCI 1160 >= D)

CRJU 4162 - Race, Crime, and Justice (3 Credit Hours)

This course is designed to examine the complex inter-relationships between race, crime and the criminal justice system along with an overview of the contemporary response to race and crime in the United States. The study of race and crime must be grounded in a critical, reflexive framework that allows for—and encourages—rigorous debate, particularly about social inequality, its origins, and its consequences. Upon completing this course, students should have a clear understanding of the role that race and ethnicity play within the criminal justice system.

Prerequisite(s): CRJU1103 >= C

CRJU 4172 - Comparative Criminal Justice Systems (3 Credit Hours)

This course is designed to investigate differing policies, practices, and procedures of crime and justice internationally. The course will focus on the ways nations define and respond to criminal behavior. The historical development of criminal justice systems will be reviewed as well as important challenges currently facing criminal justice systems around the world. This course may be offered as a distance education option - see department of social sciences for details.

Prerequisite(s): CRJU1103 >= C

CRJU 4336 - Gender and Victimization (3 Credit Hours)

A sociological analysis of crime victims and victim-service agencies. Traces the historical development of the field of victimology. Examines the influence of gender on victimization experiences and practices of criminal justice and victim-service agencies.

Prerequisite(s): (SOCI3380 >= C) and (SOCI3002 >= C or SOSC3002 >= C or SOCI3003 >= C or SOSC3003 >= C or WMST1101 >= C)

CRJU 4433 - Juvenile Delinquency and Justice (3 Credit Hours)

The philosophy, theory, and history of juvenile delinquency, including its causes, preventions, and measurement from sociological perspectives. The course examines the historical development of juvenile justice, including the establishment of the juvenile court and juvenile corrections in America. Topics include: the philosophical, social, and legal justifications of juvenile justice; contrasts the processing of juveniles with that of adult offenders; and focuses on contemporary issues and problems in juvenile justice.

Prerequisite(s): CRJU 1103 >= C; Cross-Listed Course(s): SOCI 4433

CRJU 4436 - Obedience and Authority (3 Credit Hours)

An examination of the interactions among social structures, societal conditions and social selves that promote obedience to authority as well of those that build communities of dissent and resistance.

Prerequisite(s): (SOCI3002 >= C or SOCI3003 >= C) and SOCI3380 >= C

CRJU 4441 - Violence and the South (3 Credit Hours)

Explores whether there is a relationship between the South and violence and examines different explanations for southern violence. Examines contemporary and historical studies about violence, including racial violence, homicide, violence against women, and violence in the criminal justice system.

Prerequisite(s): (SOCI 1101 >= D or SOCI 1101H >= D or SOC101 >= D) or (CRJU1103 >= D or CJ1103 >= D or CJ103 >= D)

CRJU 4540 - Law Enforcement in the Digital Age (3 Credit Hours)

This course provides an overview of current research and perspectives focusing on law enforcement issues in the digital age. We will cover and discuss current criminological concepts and understandings related to cybercrime, cyberdeviance, cyberterrorism, cyberwarfare, the deep web, as well as legal and jurisdictional issues for citizens and law enforcement.

Prerequisite(s): (SOCI 1101 >= D or SOCI 1101H >= D or CRJU1103 >= D)

CRJU 4950 - Selected Topics (1 to 3 Credit Hours)

A variable content course. Either as a faculty initiated course which allows students the opportunity to enroll in specifically titled courses, or as a student initiated directed study. Prerequisite(s): Junior or senior standing; 6 hours of advanced sociology or criminal justice; permission of instructor; and contractual agreement with department chair. *May be repeated for credit.*

CRJU 4960 - Undergraduate Internship (1 to 3 Credit Hours)

A service-learning experience based in an institution/agency, emphasizing the completion of specific tasks and the acquisition of specific knowledge, skills, and values under the supervision of the university, the academic supervisor, and the cooperating institution/agency. Prerequisite(s): Permission of instructor. *May be repeated for credit up to 2 times.*

CRJU 4990 - Undergraduate Research (3 Credit Hours)

Independent research on a topic of student choice selected in consultation with an instructor, who will supervise the research. The student must submit a contract proposal for the research project prior to enrolling in the course. Prerequisite(s): Junior or Senior Standing; 12 hours of advanced criminal justice

courses; and contractual agreement with department chair. *May be repeated for credit up to 98 times.*

CRJU 6430 - Social Deviance (3 Credit Hours)

The purpose of this course is to provide a sociological analysis of "deviance" with an emphasis on the social construction of deviance and deviant behavior. The course explores major theoretical explanations for understanding and defining who and what gets defined as deviant and under what circumstances as well as the social organization of deviance. Prerequisite(s): Permission of the MPA Director.

CRJU 6432 - Juvenile Delinquency and Justice (3 Credit Hours)

This course uses an integrated approach to examine how theories of delinquency causation influence public policy responses. The course focuses on juvenile justice as a legal system, examines motives for the development of the juvenile court system, and analyzes the organization and processes of the contemporary juvenile court and correctional system. Prerequisite(s): Permission of the MPA Director.

CRJU 6436 - Intimate Partner Violence (3 Credit Hours)

This course uses a criminological and sociological perspective to understand the criminal justice system's response to intimate partner abuse and violence. The development of the field of victimology and the response of social service agencies to these issues is also explored, especially with regard to how victim service agencies intersect with the criminal justice system. Prerequisite(s): Permission of MPA Director.

COMPUTER SCIENCE (CSCI)

CSCI 1200 - Introduction to Computers and Programming (3 Credit Hours)

This course emphasizes analytical thinking and teaches problem solving through an introduction to basic programming structures. It covers design of well-structured algorithms using appropriate logic structures with simple data types and data structures. STEM GPA eligible course.

CSCI 1210 - Introduction to Java Programming (3 Credit Hours)

An introduction to the basic concepts, logic, and syntax of the Java programming language. The use of elementary programming techniques and algorithms is presented. Topics include: arithmetic operations, input/output, data types, variables, selection and control statements, applications, applets, and event-driven programming. STEM GPA eligible course.

Prerequisite(s): (MATH 1101 >= D or MATH 1111 >= D or MATH 1113 >= D or MATH 1001 >= D)

CSCI 1301 - Principles of Computer Programming I (4 Credit Hours)

A rigorous study of the principles of computer programming with emphasis on problem solving methods which result in correct, well-structured programs. Other topics: an introduction to data representation, data types and control structures, functions, and structured data types. STEM GPA eligible course.

Prerequisite(s): (MATH 1101 >= C or MATH 1111 >= C or MATH 1113 >= C or MATH 1220 >= C or MATH 2011 >= C or MATH 1001 >= C)

CSCI 1302 - Principles of Computer Programming II (3 Credit Hours)

A continuation of problem solving methods and algorithm development. Topics include data structures and their implementation, algorithm development and programming. The emphasis is on program development and style. STEM GPA eligible course.

Prerequisite(s): (CSCI 1301 >= C or CSCI 2060 >= C)

CSCI 2120 - Introduction to C# Programming (3 Credit Hours)

This course introduces the fundamental principles of object-oriented programming using C#. The focus is on applications development using object-oriented design and implementation techniques. Topics include: objects, classes, inheritance, interfaces, GUI components, layout managers, events, multimedia, exception handling, and I/O files. STEM GPA eligible course.

Prerequisite(s): (MATH 1111 >= D or MATH 1113 >= D)

CSCI 2320 - Introduction to Computer Networking (3 Credit Hours)

Introduces networking technology to include networking standards, networking media, networking hardware, access methods, network operating systems, TCP/IP basics, network security and the fundamentals of local area network and wide area network technologies. Credit not allowed for both CSCI 2320 and MINF 3614. STEM GPA eligible course.

CSCI 2330 - System Administration (3 Credit Hours)

A basic study of the UNIX operating system geared towards the operating system user, future system administrator, and security officer. Topics include listing, finding, displaying and printing files; system security, command-line editing, handling backups, system resources, and file permissions; script programming, and other administrative tasks. STEM GPA eligible course.

CSCI 2700 - Ethics in Computer Science (2 Credit Hours)

A study of the ethical, social and legal impacts of computers and their applications. Specific attention will be paid to professional responsibility, issues of privacy, property rights, legal issues and real risks.

Prerequisite(s): CYBR 2600 >=C

CSCI 2950 - Selected Topics (1 to 3 Credit Hours)

Modern concepts in special areas of computer science. Prerequisite(s): Permission of instructor. *May be repeated for credit.*

CSCI 2980 - Applications Seminar (1 Credit Hour)

Study and analysis of current computer applications, current computer hardware and computer-related careers. Corequisite: CSCI 1301 or CSCI 2060.

Prerequisite(s): CSCI 1301 or CSCI 2060; Corequisite(s): CSCI 2301

CSCI 3030 - Mathematical Structures for Computer Science (3 Credit Hours)

The course prepares computer science majors for advanced study by emphasizing components of discrete mathematics related to computer science. The topics include sets, functions and relations, logic, Boolean algebra, graph theory, proof techniques and matrices. Examples will emphasize computer science applications.

Prerequisite(s): (MATH 2011 >= C or MATH 1220 >= C) and CSCI 1301 >= C

CSCI 3170 - Computer Organization (3 Credit Hours)

A study of logic circuits and computer organization. Topics include Boolean algebra representation and minimization, logic gates, the design and analysis of combinational and sequential circuits, and registers, ALU and data paths.

Prerequisite(s): CSCI 1302 >= C; Cross-Leveled Course(s): CSCI 5170

CSCI 3271 - Operating System (3 Credit Hours)

A study of computer operating systems and related computer architecture topics. Topics include process management, scheduling, synchronization, deadlock, memory management, virtual memory, disk management, file systems, I/O and protection.

Prerequisite(s): CSCI 3400 >= C and CSCI 3371 >= C

CSCI 3300 - Programming Languages Concepts (3 Credit Hours)

This course is centered around the concepts of the design and advanced features of programming languages. The differences between functional, imperative, and object-oriented programming will be discussed. Syntax specification, program evaluation, typing, abstract data types, and recursion will be discussed.

Prerequisite(s): CSCI 3030 >= C and CSCI 3400 >= C

CSCI 3370 - Assembly Language Programming (3 Credit Hours)

A study of the fundamentals of assembly language programming concepts and techniques. Topics include the representation of instructions and data, the use of registers, the stack, and addressing techniques. In addition, translating high-level programming statements into well-structured assembly code is studied.

Prerequisite(s): CSCI 1302 >= C

CSCI 3371 - Low-Level Programming Languages (3 Credit Hours)

Study of computer systems and programming at the level of low-level programming languages. Students will have the opportunity to learn basic principles and fundamentals of machine language, assembly language and C. Topics include pointers, bit operations, and system programming in the C# language, and register operations, control structures, bitwise operations, subprograms, and addressing techniques in assembly language.

Prerequisite(s): CSCI 3170 >= C; Cross-Leveled Course(s): CSCI 5371

CSCI 3400 - Data Structures (3 Credit Hours)

A study of the techniques for representation and manipulation of structured data within a digital computer. Programming assignments illustrating a variety of data structures.

Prerequisite(s): CSCI 1302 >= C

CSCI 3410 - Database Systems (3 Credit Hours)

This course offers an introduction to database systems as a key concept in information management. The course covers logical and physical database organization, data models, file structures, indexing, hashing, query optimization, and design issues. This course will cover the design and implementation of databases.

Prerequisite(s): CSCI 3400 >= C

CSCI 3420 - Distributed and Mobile Systems (3 Credit Hours)

This course covers the fundamentals of distributed computing and mobile systems including techniques for creating distributed and mobile applications.

Prerequisite(s): CSCI 3271 >= C

CSCI 3430 - Artificial Intelligence (3 Credit Hours)

This course covers the fundamentals of heuristic problem solving using search techniques, genetic algorithms, knowledge representation, and expert systems.

Prerequisite(s): CSCI 3400 >= C

CSCI 3500 - Theory of Computation (3 Credit Hours)

A study of the major theoretical topics needed for a well-rounded knowledge of computer science. These will include automata, formal languages, asymptotic, NP-completeness, formal verification and the design of algorithms.

Prerequisite(s): CSCI 3030 >= C and CSCI 3400 >= C

CSCI 3600 - Internet Programming (3 Credit Hours)

An advanced course in internet programming for real-world business applications. The focus is on the complete application development cycle, including analysis and design, implementation, verification, and demonstration/support. Topics include: multi-tier application design, network programming, XML, web server and client programming, JavaScript, AJAX, and web services.

Prerequisite(s): CYBR 2600 >= C and (AIST 2120 >=C or CSCI 1302 >= C)

CSCI 4100 - Analysis of Algorithms (3 Credit Hours)

Introduction to design and analysis of combinatorial algorithms. Use of asymptotics in evaluating algorithm's efficiency and scalability. Application of induction and other mathematical techniques for proving correctness of algorithms. Data structures for simplifying algorithm design, such as hash tables, heaps, binary search trees. Advanced design and analysis methods, such as greedy algorithms, dynamic

programming, amortized analysis.

Prerequisite(s): CSCI 3400 >=C and CSCI 3030 >=C

CSCI 4531 - Malware Analysis and Reverse Engineering (3 Credit Hours)

Introduces malware analysis and reverse engineering techniques. Course provides in-depth coverage of the malware types, techniques, and capabilities. Popular diagnostic tools are used to analyze malware, observe malware in action, and to understand how the malware works.

Prerequisite(s): CSCI 3371 >= C and CYBR 2600 >= C

CSCI 4532 - Hardware and Embedded Systems (3 Credit Hours)

This course explores microcontroller design, embedded systems, and programmable logic devices (FPGAs). Hardware reverse engineering is introduced. Industrial Control Systems are examined as an implementation of embedded systems. There is a lab component to the course.

Prerequisite(s): (CSCI 3170 >= C or PHYS3012 >= C)

CSCI 4540 - Digital Forensics and Machine Learning (3 Credit Hours)

Overview of information security forensics activities. Topics include: digital forensics investigative basics and digital forensics examination criteria. Course includes hands-on lab activities where machine learning concepts are applied, and students learn the basics of digital forensics techniques and how machine learning could be used in the context of processing data.

Prerequisite(s): (CSCI 3371 >=C or CSCI 3271 >=C) and (MATH 3280 >=C)

CSCI 4600 - Full-Stack Internet Development (3 Credit Hours)

Building on the fundamentals of web development, this course exposes the student to contemporary, full-stack, web-based application development. Students gain experience developing secure, responsive, and reactive applications for both desktop and mobile users. Students become familiar with client-side frameworks, web services, and web-based data management, among other concepts. All stages of a typical team-based web development lifecycle are addressed.

CSCI 4711 - Software Engineering (3 Credit Hours)

The software development process is examined. Current tools and techniques of software system analysis, design, implementation, and maintenance are presented in conjunction with case studies and team-oriented projects. Topics include process modeling, logic modeling, object-oriented modeling, UML, software metrics, prototyping, and software security.

Prerequisite(s): CSCI 3410 >= C

CSCI 4712 - Senior Capstone Project (3 Credit Hours)

An individual or group project in the application of computer science. Emphasis is on the production of real-world software systems and may be conducted in cooperation with an external organization such as a commercial company or public agency.

Prerequisite(s): CSCI 4711 >= C

CSCI 4800 - Compiler Writing (3 Credit Hours)

An examination of compiler techniques used in generating machine code. Topics covered include scanning and parsing, code generating, optimization and error recovery. Programming projects in compiler construction.

Prerequisite(s): (CSCI 3500 >= C or CSCI 341 >= C) and CSCI 3370 >= C

CSCI 4820 - Computer Graphics (3 Credit Hours)

An examination of the hardware and software components of graphics systems and their applications. Programming assignments to illustrate the creation and manipulation of graphic displays using a simple graphics package.

Prerequisite(s): CSCI 1302 >= C

CSCI 4950 - Selected Topics (1 to 3 Credit Hours)

Modern concepts in special areas of computer science. Prerequisite(s): Permission of Instructor and approval by Computer Science Curriculum Committee. *May be repeated for credit.*

CSCI 4960 - Undergraduate Internship (1 to 5 Credit Hours)

An internship in a service-learning experience based in an institution or agency, emphasizing the completion of a specific task and the acquisition of specific knowledge and skills under the supervision of the university and the cooperating institution or agency. Prerequisite(s): Permission of Department Chair. *May be repeated for credit.*

CSCI 4980 - Computer Science Seminar (1 to 2 Credit Hours)

To expose the students to current areas of computer research and advanced topics in computer science, such as artificial intelligence, nonprocedural languages, CASE tools and software engineering, parallel computing, computer modeling and expert systems. Prerequisite(s): Permission of Instructor. *May be repeated for credit.*

CSCI 4990 - Undergraduate Research (1 to 3 Credit Hours)

Individual research in computer science. A minimum of three hours per week for each semester hour credit. Prerequisite(s): Permission of Department Chair. *May be repeated for credit.*

CSCI 5001 - Fundamentals of Computer Programming I (3 Credit Hours)

A comprehensive study of the principles of computer programming with emphasis on problem solving and algorithm development. Students learn control structures, functions, structured data types, program development, recursion, objects, file processing, classes, templates, and polymorphism.

CSCI 5002 - Data Structures and Algorithms (3 Credit Hours)

Advanced programming techniques using concepts from data structures and algorithms. Implementation of basic data structures such as lists, stacks, queues, trees, hash tables, heaps, and graphs. Asymptotic and amortized performance analysis, and correctness proofs of algorithms. Advanced algorithm design, greedy algorithms and dynamic programming.

Prerequisite(s): CSCI 5001 >= C

CSCI 5003 - Data Analytics Using Python (3 Credit Hours)

Discusses data analysis techniques, including math and statistics, and also programming techniques and tools for processing data based on Python. Students learn how to process and analyze data sets to perform statistical analysis and use tools to visualize data. The course also covers learning techniques to process data, including supervised and unsupervised learning.

CSCI 5004 - Computer Systems Programming (3 Credit Hours)

A comprehensive study of computer systems and programming, with concepts from operating systems and architectures. Low level programming concepts, including machine and assembly language, pointers, bit operations, addressing techniques. Higher level concepts including process management, scheduling, synchronization, deadlock, memory management, virtual memory, file systems, I/O, and protection.

Prerequisite(s): CSCI 5001 >= C and CSCI 5003 >= C

CSCI 5100 - Algorithm Analysis (3 Credit Hours)

This course teaches abstract techniques for analyzing and designing algorithms. Tools include cost models, run-time analysis, dynamic programming, and the study of upper and lower bounds. The goals are to understand and assess classical algorithms on various data structure (including graphs), as well as to sharpen problem solving skills and development of new algorithms.

CSCI 5110 - Theory of Computation (3 Credit Hours)

In this course we will seek to understand what is and is not possible with modern day computers by using mathematical models to fine-grainly study various forms of computation. We will study languages, Turing machines, undecidability, the time complexity classes such as P, NP, NP-complete, space complexity classes such as L and NL, the Cook-Levin theorem, reductions, poly-time hierarchy, randomized algorithms and randomized complexity classes such as BPP, approximation algorithms and hardness of approximation.

CSCI 5120 - Advanced Topics in Computer Security (3 Credit Hours)

This course examines the foundational topics in computer security, such as cryptography, human computer interaction, virtualization, cloud computing, and network protocols. There is a lab component to the course.

CSCI 5130 - Software Engineering (3 Credit Hours)

This course covers concepts in software engineering. The use of software engineering methodologies and tools as mechanisms for enhancing software quality attributes. The classification, evaluation and selection of software engineering techniques.

CSCI 5170 - Computer Organization (3 Credit Hours)

A study of logic circuits and computer organization. Students learn how to execute machine level instructions and control the components of a CPU data path. The course covers Boolean algebra representation, basic digital logic circuit design, including combinational and sequential circuits, registers, ALU, data paths, instruction set architectures, memory hierarchy, and instruction level parallelism. Note: This course is a cross-leveled course with CSCI 3170. For Master's level programs, no more than 12 credits of didactic courses required for the program may be in cross-leveled courses. Students are ineligible to take the MS cross-leveled course if they took the undergraduate version previously. Graduate students are expected to complete a digital logic circuit design project utilizing advanced techniques that are beyond what would be expected of undergraduate students.

Cross-Leveled Course(s): CSCI 3170

CSCI 5271 - Operating System (3 Credit Hours)

Design of a modern operating system is presented as a collection of modules providing disparate functionality. The techniques underlying these modules are presented and different methods are compared and contrasted. Students get experience implementing programs that implement these modules or involve interaction with low-level software.

CSCI 5300 - Programming Languages (3 Credit Hours)

Programming languages are a fundamental aspect of computer science, and as computer science and society evolve the need for more advanced programming languages rises. This course will provide the understanding of how to formally design and analyze programming languages using formal models. The student will gain an understanding of the syntax and semantics of programming languages to gain a deeper understanding of correctness of programs, software verification, and the wider notion of formal methods. Furthermore, through course projects the student will gain an understanding of programming in various paradigms, and in the implementation of programming languages.

CSCI 5310 - Proof Theory (3 Credit Hours)

This course teaches the theory of proofs studied as a formal and mathematical object. The language of proofs emerged as a natural place where programming languages, category theory, and complexity meet, and is becoming increasingly popular in the study of type systems, denotational semantics, concurrency theory, implicit complexity, and higher-order model checking to name a few.

Tools include mathematical abstraction, theorem provers, the representation of proofs in multiple formalisms (sequent calculus, natural deduction, proof nets and their semantics) and multiple systems, as well as studying their relative expressivity and complexity. The goals are to excel in formal reasoning, have a precise and actionable understanding of the expressivity of a system compared to others, improve

mathematical reasoning and the capacity to navigate between multiple representations of the same proof.

CSCI 5320 - Verification of Software (3 Credit Hours)

The course covers formal methods theory and practice, in particular as applied to the specification and verification of software.

CSCI 5330 - Artificial Intelligence (3 Credit Hours)

Presentation of artificial intelligence as a coherent body of ideas and methods to acquaint the student with the basic programs in the field and their underlying theory. Concepts and methods include topics such as informed, adversarial, and probabilistic search, knowledge representation and symbolic reasoning, knowledge engineering and building problem solvers.

Prerequisite(s): CSCI 3400 >= C

CSCI 5340 - Machine Learning (3 Credit Hours)

This is a survey of machine learning theory and practice. The course covers the fundamental concepts and algorithms that allow computers to improve performance over time. Techniques enabling supervised learning, unsupervised learning and reinforcement learning will be covered.

CSCI 5350 - Network and Distributed Systems (3 Credit Hours)

This is an introduction to algorithmic aspects of distributed computing and computation in networks. The topics considered are those that arise in systems comprised of loosely coupled, heterogeneous and failure-prone processing units, arranged in a connected structure that allows information exchange. The range of applications starts at wide-area networks, goes through clusters of workstations connected by local-area networks, to multi-processor shared-memory machines. The relevant properties of solutions reflect the communication mechanisms (message passing, shared memory), the algorithmic constraints (deterministic, randomized, quantum), the timing models (synchronous, asynchronous), and the types of failures (crashes, omissions, Byzantine). The algorithmic goals to achieve include: sharing resources in a fair manner, providing fault-tolerance and privacy, and maintaining global consistency of computations. The specific problems include: symmetry breaking, consensus, resource allocation and scheduling, renaming, and synchronization. Strong understanding of undergraduate-level distributed systems, discrete mathematics (especially graph theory) and algorithms are expected.

CSCI 5371 - Low-Level Programming (3 Credit Hours)

Study of computer systems and programming at the low-level programming language level. Students will have the opportunity to learn basic principles and fundamentals about machine language, assembly language and C language. Students learn C pointers, bit operation, system programming in C Language, register operations, control structures, bitwise operations, subprograms, and addressing techniques in assembly language. Note: This course is a cross-leveled course with CSCI-3371. For Master's level programs, no more than 12 credits of didactic courses required for the program may be in cross-leveled courses. Students are ineligible to take the MS cross-leveled course if they took the undergraduate version previously. The graduate version of the course will expect advanced programming methods to be utilized in solving complex problems.

Prerequisite(s): CSCI 5170 >= C; Cross-Leveled Course(s): CSCI 3371

CSCI 5420 - Mobile and Distributed Computing (3 Credit Hours)

The goal of this class is to study practical aspects in design and operation of distributed and mobile systems, while becoming familiar with ongoing research. Technologies for developing new applications on such studies are emphasized with student teams implementing a significant new application. Students enrolled in the class also develop ability to independently study research papers by picking a topic of interest and studying current research publications. *May be repeated for credit up to 1 time.*

CSCI 5430 - Artificial Intelligence (3 Credit Hours)

Presentation of artificial intelligence as a coherent body of ideas and methods to acquaint the student with

the basic programs in the field and their underlying theory. A number of different techniques are covered, together with their practical applications. Students get experience implementing programs that address needs of applications. *May be repeated for credit up to 1 time.*

CSCI 5500 - Theory of Computation (3 Credit Hours)

This course introduces major theoretical topics needed for a well-rounded knowledge of computer science. Students learn to reason with major formal abstractions popular in computer science. Influential theoretical results that form the basis of the computer science field are discussed.

CSCI 5600 - Internet Programming (3 Credit Hours)

This course introduces the concepts as well as the tools and frameworks that underly today's modern Internet-based applications. This hands-on course will focus primarily on browser-based systems. In addition to gaining a broad understanding of the foundational concepts, students can expect to design, develop, document, deploy and present complete web-based applications both individually and as members of a team. *May be repeated for credit up to 1 time.*

CSCI 6100 - Cyber-Physical Systems (3 Credit Hours)

This course strives to identify and introduce the durable intellectual ideas of embedded systems as a technology and as a subject of study. The emphasis is on modeling, design, and analysis of cyber-physical systems, which integrate computing, networking, and physical processes.

CSCI 6531 - Malware Analysis and Reverse Engineering (3 Credit Hours)

Introduces malware analysis and reverse engineering techniques. Course provides in-depth coverage of the malware types, techniques, and capabilities. Popular diagnostic tools are used to analyze malware, observe malware in action, and to understand how the malware works. *May be repeated for credit up to 1 time.*

CSCI 6532 - Hardware and Embedded Systems (3 Credit Hours)

This course explores the design of microcontrollers and how to define requirements for their application; develop an embedded system for a specific application; and program custom controllers when off-the-shelf products won't work. Hardware reverse engineering is used to determine hardware functionality, inputs, outputs, and stored data. Industrial Control Systems and Critical Infrastructure sectors are introduced. *May be repeated for credit up to 1 time.*

CSCI 6540 - Digital Forensics and Machine Learning (3 Credit Hours)

This course will provide an overview of digital forensics investigation process with practical hands-on labs and exercises. Course includes labs and assignments where machine learning concepts will be applied, and students will learn the basics of digital forensics techniques and how machine learning could be used in the context of processing data. Note: This course is a cross-leveled course with CSCI-4540. For Master's level programs, no more than 12 credits of didactic courses required for the program may be in cross-leveled courses. Students are ineligible to take the MS cross-leveled course if they took the undergraduate version previously. Graduate students are expected to write a publishable scholarly paper about digital forensics using machine learning that is beyond what would be expected of undergraduate students.

Prerequisite(s): CSCI 3370 >= C or CSCI 3271 >= C and MATH 3280 >= C

CSCI 6800 - Compiler Writing (3 Credit Hours)

This class examines how programs in existing high-level languages are translated to machine level so that they can correctly and efficiently execute on modern hardware. The class is centered around a significant project where students get hands-on experience implementing the techniques studied in the class. Most techniques studied will be for imperative languages. *May be repeated for credit up to 1 time.*

CSCI 6900 - Introduction to Research (3 Credit Hours)

In this course, students will be introduced to methods for conducting scientific research within computer

science. Emphasis will be placed on research question formation, literature review, theory, data acquisition, and research methodology. Students will also be introduced to current streams of research in computer science. Instructor approval required for registration.

CSCI 6910 - Master's Thesis Research (1 to 9 Credit Hours)

Students conduct research under the supervision of faculty, ultimately leading to the Master's thesis. The topics vary. Instructor approval required for admission. *May be repeated for credit up to 6 times.*

Grade Mode: Normal (A, B, C, D, F)

CSCI 6950 - Selected Topics (1 to 3 Credit Hours)

A variable content course intended to meet the needs and interests of graduate students in selected areas of computer science. Prerequisite(s): Permission of Department Chair and Instructor. *May be repeated for credit.*

CSCI 7011 - Studies in Foundations of Computer and Cyber Sciences (3 Credit Hours)

Students undertake the study of a chosen foundational area of computer and cyber sciences under the supervision of their advisor or the graduate program director in preparation for more advanced courses. The mode of instruction is a combination of lectures and assigned readings. The students will demonstrate mastery of the selected material through homework assignments and examinations. The study culminates in a term paper in which the student demonstrates their knowledge of the material and the ability to identify potential research questions in the area of study. *May be repeated for credit up to 5 times.*

CSCI 7012 - Studies in Applications of Computer and Cyber Sciences (3 Credit Hours)

Students undertake the study of a chosen application area of computer and cyber sciences under the supervision of their advisor or the graduate program director in preparation for more advanced courses. The mode of instruction is a combination of lectures and assigned readings. The students will demonstrate mastery of the selected material through homework, programming assignments, and examinations. The study culminates in a term paper in which the student demonstrates their knowledge of the material and the understanding of the challenges in implementing systems in the area of study. *May be repeated for credit up to 5 times.*

CSCI 7100 - Algorithm Analysis (3 Credit Hours)

This course teaches abstract techniques for analyzing and designing algorithms. Tools include cost models, run-time analysis, dynamic programming, and the study of upper and lower bounds. The goals are to understand and assess classical algorithms on various data structure (including graphs), as well as to sharpen problem solving skills and development of new algorithms. *May be repeated for credit up to 1 time.*

CSCI 7110 - Cyber-physical Systems (3 Credit Hours)

This course introduces the durable intellectual ideas of embedded systems as a technology and as a subject of study. The emphasis is on modeling, design, and analysis of cyber-physical systems, which integrate computing, networking, and physical processes. *May be repeated for credit up to 1 time.*

CSCI 7130 - Software Engineering (3 Credit Hours)

This course covers concepts in software engineering. The use of software engineering methodologies and tools as mechanisms for enhancing software quality attributes. The classification, evaluation and selection of software engineering techniques. *May be repeated for credit up to 1 time.*

CSCI 7140 - Side Channel Attacks (3 Credit Hours)

Explores side-channel attacks, a significant threat to computerized systems. Students delve into the theoretical foundations, practical techniques, countermeasures, and real-world applications of side-

channel attacks. Through lectures, readings, discussions, presentations, and hands-on projects, students develop a general understanding of the different types of side-channel attacks and familiarize themselves with the principles and methodologies underlying these attacks and strategies for mitigating their impact. Students should have the following prerequisite knowledge: Computer Science background; familiarity with operating systems concepts; familiarity with advanced computer architecture; and proficiency in a programming language, preferably C or C++.

CSCI 7150 - Natural Language Processing (3 Credit Hours)

Natural Language Processing (NLP) covers fundamental concepts and advanced techniques in processing human language using computational methods. Topics include: tokenization, sentiment analysis, machine translation, and ethical considerations. By the end of the program, students gain expertise in building NLP models and applications. Prerequisite knowledge: basic programming with Python.

CSCI 7170 - Applications of Cloud Computing (3 Credit Hours)

An in-depth look at cloud computing, which has transformed our work, social interactions, and learning by operating on a vast scale and altering the economics and assumptions of computing. The course covers crucial technical aspects of cloud systems, including the virtualization and management of compute, storage, and network resources. It also includes practical exercises using well-known public cloud platforms and an academic research cloud.

CSCI 7180 - Advanced Studies in Extended Reality (3 Credit Hours)

A comprehensive exploration of Extended Reality (XR), including Virtual Reality (VR), Augmented Reality (AR), and Mixed Reality (MR). Students learn foundational concepts, technologies, and the evolution of XR from its theoretical origins to advanced interface design development of XR prototypes. The curriculum also covers critical challenges in XR, such as health, social, privacy, and security issues and human factors that influence usability. Students explore the current research landscape and emerging trends and technologies in XR. The course culminates with a project that applies advanced XR concepts.

CSCI 7200 - Emerging Sensing Technologies for Biometric Authentication (3 Credit Hours)

Examines the cutting-edge world of biometric. Explore how novel sensing methods are revolutionizing the way we authenticate identities, extending far beyond traditional security authentication system. This course provides a comprehensive overview of both classical and emerging biometric modalities, analysis the security vulnerabilities and attack models, and introduces innovative approaches like voice and ear. Through a blend of theoretical insights and practical applications, students discover how these technologies are not only transforming security but are also increasingly used in other fields. Prerequisite knowledge: While not strictly required, it is preferable for students to have a background in basic programming (MATLAB or Python), signal processing and basic understanding of machine learning models.

CSCI 7210 - Introduction to Statistical Learning (3 Credit Hours)

A thorough overview of statistical learning, combining practical labs and real-world datasets to deepen understanding. Topics include: linear regression, classification, resampling methods, linear model selection and regularization, exploring non-linear models, tree-based methods, support vector machines, deep learning, survival analysis with censored data, unsupervised learning, and multiple testing techniques. Through hands-on experience and theoretical learning, students master the fundamentals of data analysis and gain insightful knowledge of the evolving field in statistical learning. Prerequisite knowledge: Basic knowledge of programming with Python or R.

CSCI 7230 - Topics in Optimization (3 Credit Hours)

Examines the core concepts, techniques and algorithms in Linear Optimization, also called Linear Programming (LP). Linear Programming is so useful in solving real-world optimization problems that it should be in the toolbox of each Programmer, Software Engineer, Data Scientist and Data Analyst. Its

broad applications span from two-player zero-sum strategic games, such as Matching Pennies, finding optimal flows in transportation networks, scheduling industrial production processes, machine learning, to auction design in computational economics.

CSCI 7240 - Internet of Things and Embedded Systems (3 Credit Hours)

This course delves into the latest advancements in connected intelligent things and embedded systems, covering topics such as the Internet of Things (IoT), edge computing, machine learning, mobile computing, and sensor applications. It combines hands-on projects (including mini and term projects), extensive reading, team discussions, and collaborative research to provide students with practical experience and theoretical insights into IoT design and system development. The course is a comprehensive platform for exploring the dynamic field of connected intelligent systems.

CSCI 7300 - Programming Languages (3 Credit Hours)

Programming languages are a fundamental aspect of computer science, and as computer science and society evolve the need for more advanced programming languages rises. This course will provide the understanding of how to formally design and analyze programming languages using formal models. The student will gain an understanding of the syntax and semantics of programming languages to gain a deeper understanding of correctness of programs, software verification, and the wider notion of formal methods. Furthermore, through course projects the student will gain an understanding of programming in various paradigms, and in the implementation of programming languages. Strong understanding of undergraduate-level mathematical structures in computer science and theory of computation are expected *May be repeated for credit up to 1 time.*

CSCI 7340 - Machine Learning (3 Credit Hours)

This is a survey of machine learning theory and practice. The course covers the fundamental concepts and algorithms that allow computers to improve performance over time. Techniques enabling supervised learning, unsupervised learning and reinforcement learning will be covered. *May be repeated for credit up to 1 time.*

CSCI 7350 - Network and Distributed Algorithms (3 Credit Hours)

This is an introduction to algorithmic aspects of distributed computing and computation in networks. The topics considered are those that arise in systems comprised of loosely coupled, heterogeneous and failure-prone processing units, arranged in a connected structure that allows information exchange. The range of applications starts at wide-area networks, goes through clusters of workstations connected by local-area networks, to multi-processor shared-memory machines. The relevant properties of solutions reflect the communication mechanisms (message passing, shared memory), the algorithmic constraints (deterministic, randomized, quantum), the timing models (synchronous, asynchronous), and the types of failures (crashes, omissions, Byzantine). The algorithmic goals to achieve include: sharing resources in a fair manner, providing fault-tolerance and privacy, and maintaining global consistency of computations. The specific problems include: symmetry breaking, consensus, resource allocation and scheduling, renaming, and synchronization. Strong understanding of undergraduate-level distributed systems, discrete mathematics (especially graph theory) and algorithms are expected. *May be repeated for credit up to 1 time.*

CSCI 7410 - Operating Systems (3 Credit Hours)

This class considers modern time-sharing uniprocessors, multiprocessors, and distributed system. The main underlying themes, concurrency and scale, are highlighted to focus on correct, efficient, and resilient execution of applications on these systems. Both practical and theoretical considerations are covered. *May be repeated for credit up to 1 time.*

CSCI 7420 - Human-Computer Interaction (3 Credit Hours)

This course covers the fundamental concepts of human-computer interaction (HCI) including user interface design principles, human capabilities, interface technology, interface design methods and interface evaluation. Students will become familiar with the principles and characteristics of HCI as well as the processes involved in creating user-centered designs. Interfaces to emerging computing paradigms

such as virtual and augmented reality, robotics, and wearable devices as well as the ethical and security implications of interface design will also be examined. *May be repeated for credit up to 1 time.*

CSCI 7440 - Evaluating Cybersecurity (3 Credit Hours)

This course teaches students the underlying principles and many of the techniques associated with the cybersecurity practice known as penetration testing or ethical hacking. The course will provide the fundamental information associated with each of the methods employed and insecurities identified. In all cases, remedial techniques will be explored. Students will develop an excellent understanding of current cybersecurity issues and ways that user, administrator, and programmer errors can lead to exploitable insecurities. *May be repeated for credit up to 1 time.*

CSCI 7500 - Theory of Computation (3 Credit Hours)

In this course we will seek to understand what is and is not possible with modern day computers by using mathematical models to fine-grain study various forms of computation. We will study languages, Turing machines, undecidability, the time complexity classes such as P, NP, NP-complete, space complexity classes such as L and NL, the Cook-Levin theorem, reductions, poly-time hierarchy, randomized algorithms and randomized complexity classes such as BPP, approximation algorithms and hardness of approximation. Strong understanding of undergraduate-level mathematical structures in computer science and theory of computation are expected. *May be repeated for credit up to 1 time.*

CSCI 7520 - Principles of Cryptography (3 Credit Hours)

This course explains the basics of modern cryptography that is started in the 1970s and rooted in mathematics. It covers studying and analyzing constructions and algorithms that provide data confidentiality, data integrity, and authentication in the presence of third parties or the public. Cryptography is an essential element of any secure software, secure communication, and database. *May be repeated for credit up to 1 time.*

CSCI 7580 - Computer Architecture and Parallel Processing (3 Credit Hours)

This class discusses the design of modern computer chips. Quantitative design principles are emphasized throughout the class. Techniques underlying different components and aspects of modern chips are discussed with simulation and quantitative ways of comparing between the design points. *May be repeated for credit up to 1 time.*

CSCI 7585 - High Performance Computing (3 Credit Hours)

This class focuses on extracting performance from modern systems. The type of systems considered include uniprocessors (where cache performance is crucial), modern chips that have shared memory parallelism and SIMD features, distributed memory parallel systems, and accelerators like GPUs. Programming model appropriate for each of these is presented. Application of concepts to scientific kernels and practical development are emphasized. *May be repeated for credit up to 1 time.*

CSCI 7620 - Data Science (3 Credit Hours)

This class focuses on methods for computer analysis of data with focus on gaining insights. A number of algorithm families (Clustering, Classification, Association Mining, Regression and Bayesian Models) are visited. Practical and efficient implementation of existing algorithms is emphasized together with application of developed implementations on actual datasets. *May be repeated for credit up to 1 time.*

CSCI 7654 - Communication in Networks (3 Credit Hours)

In this course, we trace the evolution of networks and identify the key concepts and functions that form the basis for layered architecture. We introduce examples of protocols and services and we explain how these services are supported by networks. We explore fundamental concepts in digital communication, and focus on error control techniques that include parity check, polynomial code, and Internet checksum. Sockets programming and security are also covered. *May be repeated for credit up to 1 time.*

CSCI 7810 - Information Management (3 Credit Hours)

This course presents database design and algorithms to students. There is a review of statistics and analytics as a background in data analysis. This course acquaints students with the principles of data analysis and mining, as well as reasoning about data security and privacy. There will be a discussion of case studies from application areas. *May be repeated for credit up to 1 time.*

CSCI 7900 - Research Colloquium (1 Credit Hour)

The Colloquium Series seeks to broaden the knowledge of graduate students in the latest research that falls within the areas of study relevant to the School of Computer and Cyber Sciences. This will be accomplished by hosting weekly presentations from leading researchers. *May be repeated for credit up to 10 times.*

CSCI 7950 - Selected Topics (3 Credit Hours)

This is the selected topics course for the MS in Computer Science program. Subject and course content will vary. *May be repeated for credit up to 2 times.*

CSCI 7951 - Advanced Topics in Theoretical Foundations (3 Credit Hours)

Advanced topics in theoretical computer science. Topics may include: advanced algorithms, theory of computation, network algorithms, distributed and parallel algorithms, advanced optimization methods, software verification, cryptography theory, proof systems, and statistical learning.

CSCI 7952 - Advanced Topics in Computer Systems (3 Credit Hours)

Advanced topics in computer systems. Topics may include: advanced operating systems, computer architecture, high performance computing, cyber-physical systems, communication in networks, embedded systems, blockchain systems, and cloud computing.

CSCI 7953 - Advanced Topics in Applications (3 Credit Hours)

Advanced topics in computer and cyber science applications. Topics may include: machine learning, artificial intelligence, human-computer interaction, natural language processing, data science, optimization methods, information management, cloud computing, and statistical learning.

CSCI 7954 - Advanced Topics in Cybersecurity (3 Credit Hours)

In this course, students study a variety of attacks on computer software and hardware. These attacks are caused by the vulnerabilities in the design and implementation of computer systems. The course emphasizes "learning by doing", and requires students to conduct a series of lab exercises. Through these labs, students can enhance their understanding of the principles, and be able to apply those principles to solve real problems. *May be repeated for credit up to 1 time.*

CSCI 8250 - Quantum Computing (3 Credit Hours)

This course is a presentation of quantum computing as an emerging computing paradigm based on quantum mechanics. The course acquaints the student with architecture of quantum computing built from quantum gates and circuits, as well as design and performance of quantum algorithms. The course formalizes the concepts of quantum complexity and information and presents quantum algorithms in cryptography and fault-tolerant information processing. *May be repeated for credit up to 1 time.*

CSCI 8310 - Proof Theory (3 Credit Hours)

This course teaches the theory of proofs studied as a formal and mathematical object. The language of proofs emerged as a natural place where programming languages, category theory, and complexity meet, and is becoming increasingly popular in the study of type systems, denotational semantics, concurrency theory, implicit complexity, and higher-order model checking to name a few. Tools include mathematical abstraction, theorem provers, the representation of proofs in multiple formalisms (sequent calculus, natural deduction, proof nets and their semantics) and multiple systems, as well as studying their relative expressivity and complexity. The goals are to excel in formal reasoning, have a precise and actionable understanding of the expressivity of a system compared to others, improve mathematical reasoning and

the capacity to navigate between multiple representations of the same proof. *May be repeated for credit up to 1 time.*

CSCI 8320 - Verification of Software (3 Credit Hours)

The course covers formal methods theory and practice, in particular as applied to the specification and verification of software. The objective is to cover the current state of the art in formal methods theory and practice, and to impart, through intensive problem solving and hands-on work, competence and fluency in the use of formal methods to specify and analyze the behavior of large complex software systems. *May be repeated for credit up to 1 time.*

CSCI 8510 - Independent Study (1 to 3 Credit Hours)

This is a course where a student will work individually with the faculty advisor to design an individualized course of study, set course objectives and requirements, and designate student learning outcomes. It is designed to provide students with in-depth knowledge related to their area of research that falls outside the current graduate course offerings. *May be repeated for credit up to 3 times.*

CSCI 8720 - Problems in Computer and Cyber Sciences (3 Credit Hours)

The student and the advisor identify a topic of mutual interest and establish a list of papers to be carefully studied. The student studies the papers, writes detailed and critical summary of the papers and synthesizes an understanding of the current state-of-the-art. This is followed by the formulation of open questions that will be worthy of future research. Interesting results are disseminated via presentation. *May be repeated for credit up to 10 times.*

CSCI 8940 - Dissertation Research (1 to 9 Credit Hours)

This course, designed for students in a research-focused doctoral program, provides students the opportunity to complete dissertation work specific to their individual area of research under the supervision of their research mentors. *May be repeated for credit up to 20 times.*

Grade Mode: Normal (A, B, C, D, F)

CSCI 8970 - Research Exposure (1 Credit Hour)

Presentations of selected recent research results. Students do required readings related to a presentation prior to the class and write a critical summary. Guest speakers and participants deliver the presentations. Every student conducts a thorough survey of one chosen topic of interest and writes a paper analyzing the current state-of-the-art and identifying directions for future work. *May be repeated for credit up to 6 times.*

CLINICAL AND TRANSLATIONAL SCIENCE (CTRS)

CTRS 7100 - Grant Writing for Clinical and Translational Science (2 Credit Hours)

This course is designed to offer an overview of scientific grant writing for clinical and translational science professionals. Topics covered will include an introduction of clinical and translational research, types of funding and funding agencies, determination of key personnel, elements of a proposal, budget development, necessary forms and formatting, biosketch creation, grantsmanship, and the review process. *May be repeated for credit up to 1 time.*

CTRS 7210 - Methods for Decision Making in Clinical Practice (3 Credit Hours)

This course is designed to aid in the determination and application of appropriate statistical methods for decision making in clinical practice including logistic regression, survival analysis, and reliability and validity analyses; use of statistical software for application of the statistical methods and correct interpretation of the results; and review of applicable literature and understanding of the methods, results and conclusions presented. *May be repeated for credit up to 1 time.*

Prerequisite(s): STAT7020 >= C

CTRS 7220 - Economic Approaches to Clinical Decision Making (3 Credit Hours)

This course will provide learners with an in-depth exposure to qualitative and quantitative approaches to the role health economics plays in clinical decision making at a local and global level. Students will be exposed to contemporary approaches to clinical decision making informed not only by clinical evidence, but also by health economic and policy perspectives. This course will provide learners with an in-depth exposure to qualitative and quantitative approaches to the role health economics plays in clinical decision making at a local and global level. Students will be exposed to contemporary approaches to clinical decision making informed not only by clinical evidence, but also by health economic and policy perspectives. *May be repeated for credit up to 1 time.*

Prerequisite(s): STAT7020 >= C

CTRS 7900 - Capstone Project (1 to 3 Credit Hours)

The student will apply research design and methodology for a clinical and translational research question of interest. The course may be repeated as necessary until the student completes the research. *May be repeated for credit.*

UNDERGRADUATE RESEARCH (CURS)**CURS 2990 - Undergraduate Research and Scholarship I (0 Credit Hours)**

Provides undergraduate students the opportunity to complete undergraduate research and/or creative activity in any discipline. The research and/or creative activity can be outside of the student's chosen major and can take place on any AU campus. The student and faculty member should agree upon a weekly and semester schedule and goals. Faculty projects should be registered in the CURS Undergraduate Research Opportunity Portal. The roles and expectations of each member of the project should be outlined in a syllabus. *May be repeated for credit.*

CURS 3990 - Undergraduate Research and Scholarship II (0 Credit Hours)

This course is designed to give undergraduate students the opportunity to complete undergraduate research and/or creative activity in any discipline. The research and/or creative activity can be outside of the student's chosen major and can take place on either the Summerville or Health Sciences campus. The student and faculty member should agree upon a weekly and/or semester schedule. Roles and expectations of each member of the project should be outlined as well. This is a zero credit hour course. *May be repeated for credit.*

CURS 4990 - Undergraduate Research and Scholarship III (0 Credit Hours)

This course is designed to give undergraduate students the opportunity to complete undergraduate research and/or creative activity in any discipline. The research and/or creative activity can be outside of the student's chosen major and can take place on either the Summerville or Health Sciences campus. The student and faculty member should agree upon a weekly and/or semester schedule. Roles and expectations of each member of the project should be outlined as well. This is a zero credit hour course. *May be repeated for credit.*

CYBER STUDIES (CYBR)**CYBR 1411 - Introduction to Cybersecurity and Cyber Wellness (3 Credit Hours)**

A foundational understanding of cybersecurity threats and basic strategies for maintaining "cyber wellness." Students explore the evolving landscape of digital threats, learn to identify potential risks, and develop practical skills to protect themselves and their organizations from cyberattacks. Additionally, students gain insight into responsible online behavior and ethical considerations in the digital age.

CYBR 2000 - Introduction to Cybersecurity (3 Credit Hours)

Overview of information security practices and needs. Topics include information security, types of attacks, risk analysis and management, security technologies, and basic information security

implementation.

Prerequisite(s): AIST2310 >= C

CYBR 2600 - Introduction to Networking and Cyber Security (4 Credit Hours)

Introduces networking technology and information security practices. Topics include: network models and protocols as well as information security fundamentals. The course includes hands-on lab activities where techniques and procedures are demonstrated and implemented. STEM GPA eligible course.

Prerequisite(s): AIST 2110 >=C or CSCI 1301 >=C

CYBR 3100 - Introduction to Defensive Cyber Operations (3 Credit Hours)

Overview of network security activities and techniques. Heavy use of information security tools will be demonstrated and practiced.

Prerequisite(s): (CSCI 3520 >= C or CYBR2600 >= C)

CYBR 3200 - Cyber Network Defense and Counter Measures (3 Credit Hours)

Emphasis placed on understanding the tools and devices used to secure a computer network (i.e. firewall, IDS, IPS). Course includes hands-on lab activities where techniques and procedures are displayed and tested.

Prerequisite(s): (CSCI 3520 >= C or CYBR2600 >= C)

CYBR 4400 - Digital Forensics (3 Credit Hours)

Overview of information security forensics activities. Topics include digital forensics investigative basics, techniques, and digital forensics examination criteria. Course includes hands-on lab activities where techniques and procedures are displayed and tested.

Prerequisite(s): AIST3720 >= C

CYBR 5001 - Fundamentals of Programming in Cybersecurity (3 Credit Hours)

This course emphasizes analytical thinking and teaches problem solving through an introduction to basic programming structures. It covers design of well-structured algorithms using appropriate logic structures with simple data types and data structures.

CYBR 5002 - Introduction to Networking and Cybersecurity (3 Credit Hours)

This course explores networking technology and information security practices. It includes hands-on lab activities where techniques and procedures are demonstrated and implemented. Students learn about network models, the protocols they utilize, and best security practices.

CYBR 5003 - Offensive and Defensive Cybersecurity (3 Credit Hours)

Introduction to offensive and defensive cybersecurity. Building upon foundational knowledge from the introduction to networking and cybersecurity course, students explore advanced concepts, tools, and techniques. The course emphasizes practical skills through hands-on lab exercises, enabling students to apply theoretical knowledge in real-world scenarios.

Prerequisite(s): CYBR 5002 >= C

CYBR 5004 - Fundamentals of Operating Systems (3 Credit Hours)

An introduction to operating systems geared towards future administrators. Includes coverage of operating system roles, functions and services, hardware components, virtualization, and the installation, configuration, and administration of a secure operating system.

Prerequisite(s): CYBR 5002 >= C

CYBR 5600 - Networking and Cybersecurity (3 Credit Hours)

This course explores networking technology and information security practices. The course includes hands-on lab activities where techniques and procedures are demonstrated and implemented. Students will learn about network models, the protocols they utilize, and best security practices.

CYBR 6250 - Scripting and Automation for Cybersecurity (3 Credit Hours)

This course provides students with the basic ability to create simple scripts/programs to automate and perform security operations, and to provide students with the skills necessary to implement algorithms using programming languages to solve problems. Special emphasis is placed on scripts related to attacking and defending, which includes basic security practices in developing scripts/programs.

CYBR 6400 - Digital Forensics (3 Credit Hours)

This course presents an overview of information security forensics activities. Topics include digital forensics investigative basics, techniques, and digital forensics examination criteria. The course includes hands-on lab activities where techniques and procedures are displayed and tested. Note: This course is a cross-leveled course with CYBR 4400. For masters level programs, no more than 12 credits of didactic courses required for the program may be in cross-leveled courses. Students are ineligible to take the MS cross-leveled course if they took the undergraduate version previously. Graduate students are expected to complete a digital forensics project utilizing rigorous methods that are beyond what would be expected of undergraduate students.

CYBR 7000 - Cryptography (3 Credit Hours)

A comprehensive review of concepts and techniques of modern cryptography. Students explore the theoretical foundations and practical applications of cryptographic systems used to secure information in digital environments.

CYBR 7100 - Ethical Hacking and Penetration Testing (3 Credit Hours)

A comprehensive introduction to the principles and practices of ethical hacking and penetration testing. Students learn how to identify vulnerabilities in computer systems, networks, and applications, and develop the skills to assess and improve cybersecurity defenses.

CYBR 7300 - Network Security (3 Credit Hours)

The principles and practices of network security, including the design and implementation of secure networks, intrusion detection and prevention, and secure communication protocols.

CYBR 7500 - Cloud and Edge Security (3 Credit Hours)

This course focuses on securing cloud environments, addressing the unique challenges and best practices for cloud security, including architecture, data protection, and compliance.

CYBR 7550 - IoT Security (3 Credit Hours)

Examines the unique security challenges and solutions associated with the Internet of Things (IoT), including device security, network security, and data protection in IoT environments.

DATA SCIENCE (DASC)**DASC 1301 - Data Science Programming I (4 Credit Hours)**

An introduction to programming concepts and methodologies using Python. Students learn the basics of Python programming, including data types, control structures, functions, and modules, with a focus on data science applications.

Prerequisite(s): MATH 1001 >= C or MATH 1101 >= C or MATH 1111 >= C or MATH 1113 >= C or MATH 1220 >= C or MATH 2011 >= C

DASC 1302 - Data Science Programming II (3 Credit Hours)

A continuation of Introduction to Data Science Programming I with Python. It covers more advanced programming concepts and techniques, including object-oriented programming, data structures, and algorithms, with an emphasis on data science applications.

Prerequisite(s): CSCI 1301 >= C or DASC 1301 >= C

DASC 2030 - Mathematical Foundations of Data Science (3 Credit Hours)

Covers the mathematical foundations of data science using the Python programming language. Math topics include: matrices, linear algebra, calculus, and asymptotic analysis. The course also covers advanced topics such as: probabilities, statistics, trees, graphs, recursion, and Markov chains.

Prerequisite(s): CSCI 1302 >= C or DASC 1302 >= C

DASC 3001 - Data Science Lifecycle (3 Credit Hours)

An overview of the data science lifecycle, including data collection, cleaning, exploration, analysis, and visualization. Students learn the methodologies and tools used throughout the lifecycle and apply them to real-world data science projects.

DASC 3230 - Data Security and Privacy (3 Credit Hours)

An in-depth understanding of data security and privacy issues in the context of data science. Topics include: cryptographic techniques, data encryption, network security, privacy-preserving data mining, and legal and ethical issues related to data privacy.

Prerequisite(s): CYBR 2600 >= C and CSCI 2700 >= C

DASC 3400 - Data Structures and Algorithms (3 Credit Hours)

The implementation and analysis of data structures using Python. Students learn about various data structures such as arrays, linked lists, stacks, queues, trees, and graphs, and understand their applications in solving complex problems.

Prerequisite(s): CSCI 1302 >= C or DASC 1302 >= C

DASC 4260 - Computer Vision (3 Credit Hours)

The principles and techniques of computer vision. Students learn about image processing, feature detection, object recognition, and deep learning applications in computer vision.

Prerequisite(s): (CSCI 3400 >=C or DASC 3400 >=C) and MATH 3280 >=C

DASC 4712 - Data Science Capstone (3 Credit Hours)

The Capstone course is designed for students to apply their knowledge and skills in a comprehensive data science project. Students work in teams to solve real-world problems, present their findings, and demonstrate their proficiency in data science.

Prerequisite(s): (CSCI 3400 >=C or DASC 3400 >=C) and MATH 4251 >=C

DASC 4740 - Data Mining (3 Credit Hours)

The principles and techniques of data mining. Topics include: data preprocessing, association analysis, classification, clustering, and anomaly detection.

Prerequisite(s): CSCI 3430 >=C and MATH 3250 >=C

DASC 4760 - Big Data and Analytics (3 Credit Hours)

Introduction to the concepts and techniques of big data and analytics. Students learn about big data technologies, data storage, processing frameworks, and analytics techniques used to handle and analyze large datasets.

Prerequisite(s): (CSCI 3400 >=C or DASC 3400 >=C) and MATH 4251 >=C

DASC 4850 - Machine Learning (3 Credit Hours)

The fundamental concepts and algorithms of machine learning, including supervised and unsupervised learning, model evaluation, and feature selection. Students implement machine learning algorithms and apply them to real-world data.

Prerequisite(s): CSCI 3430 >=C and MATH 3250 >=C

DASC 4851 - Deep Learning (3 Credit Hours)

An in-depth understanding of deep learning techniques and their applications. Topics include: neural networks, convolutional neural networks, recurrent neural networks, and deep learning frameworks such

as TensorFlow and PyTorch.
Prerequisite(s): DASC 4850 >=C

DATA SCIENCE (DATA)

DATA 1501 - Introduction to Data Science (3 Credit Hours)

This course is intended to provide an introduction to the field of Data Science. Students will develop skills in appropriate technology and basic statistical methods by completing hands-on projects focused on real-world data and addressing the social consequences of data analysis and application.

Prerequisite(s): MATH 1001 >= D or MATH 1111 >= D or MATH 1113 >= D or MATH 2011 >= D or MATH 2011H >= D

DATA SCIENCE (DATS)

DATS 7510 - Programming for Data Analysis (3 Credit Hours)

Hands-on exposure to programming, data management and report generation with one of the most popular statistical software packages.

DATS 7530 - Computing for Data Science (3 Credit Hours)

Provides students with hands-on experience of understanding the challenges in analyzing big data. Introduces a Linux-based environment for data scientists. A variety of topics are covered, including database management and manipulation, computation resource management, parallel computing and GPU-based computation. This is an object-oriented course, with students collaboratively working on projects using shared resources. By running the computations on a cloud platform, students gain valuable first-hand experience of working in a computational environment. The course is primarily divided into four modules including Linux environment, Data manipulation, SQL database, and R module.

Prerequisite(s): DATS 7510 >= C

DATS 7760 - Data and Visual Analytics (3 Credit Hours)

Introduces students to high performance computing and statistical techniques used for visualizing high-dimensional and complex data. The course emphasizes how high performance parallel computing with CPUs and GPUs can be used for data analytics tasks, such as data cleaning and mining, dimension reduction and regularization, clustering, graph algorithms, decision trees, random forests, hierarchical models, and fitting other statistical and mathematical structures to both effectively visualize and analyze data. The course emphasizes how to utilize software to exploit the synergies between computation and visualization. Students work in small groups to complete a team project, which requires a poster presentation and final technical report.

Prerequisite(s): DATS 7510 >= C

DATS 7860 - Statistical and Machine Learning for Big Data (3 Credit Hours)

This course introduces students to many of the important contemporary topics in statistical and machine learning, with an emphasis on big data methods and applications. Both supervised and unsupervised learning techniques will be covered. Topics included in this course are penalized regression and classification procedures, cross-validation, basis expansions, kernel smoothing and regression, model selection, boosting, random forests, support vector machines, clustering, graphical models, and model ensembles. Upon completion of the course, students are expected to have acquired statistical learning techniques that are appropriate for big data applications and have a deep understanding on how to implement these methodologies with software, and more importantly, they will be able to propose data modeling strategies for prediction and/or exploratory analyses, to fit statistical learning models to data by using strategies for tuning and avoiding over fitting, and to combine models into a statistical ensemble.

Prerequisite(s): STAT7110 >= C

DATS 7900 - Capstone Project in Data Science (3 to 6 Credit Hours)

Required course for Master of Data Science students. This course provides an opportunity for the student to integrate both technical and content knowledge into a project on a data science topic chosen by the student, and directed by a faculty member from the Division of Biostatistics and Data Science. A project formal write-up and a formal oral presentation or a poster presentation are required at the conclusion of the project. *May be repeated for credit up to 5 times.*

DATS 8170 - Advanced Computational Methods (3 Credit Hours)

This course introduces the computational aspect of statistics, expanding beyond the use of existing statistical packages. Topics covered in the course include random number generation, Monte Carlo integration, Markov chains, bootstrap techniques, expectation-maximization algorithm and Markov chain Monte Carlo methods. Parallel computing using R, with emphasis on setting up simulation studies in a high-performance computing environment is also explored.

Prerequisite(s): STAT7620 $\geq$ C and STAT7630 $\geq$ C

DERMATOLOGY (DERM)**DERM 5001 - Dermatology Externship (4 to 8 Credit Hours)**

One month clerkship experience on the Dermatology service. Students will see inpatients and outpatients at the MCG Hospital and Clinics and also outpatients at Dermatology clinics at Fort Gordon and VA Hospitals. Students participate in Dermatopathology Conferences, Journal Clubs, and Basic Science Seminars. Supervision will be provided by the full time staff and clinical faculty of the Section of Dermatology and the Dermatology house staff.

DERM 5002 - Dermatology Off-Campus Externship (4 to 8 Credit Hours)

Off campus electives may be arranged, with prior approval of the faculty. *May be repeated for credit up to 3 times.*

DERM 5003 - Advanced Dermatology (4 to 8 Credit Hours)

This elective is for students who plan to enter into dermatology residency training.

DENTAL HYGIENE (DHYG)**DHYG 3100 - Introduction to Clinic I (6 Credit Hours)**

Fundamentals of infection control, patient assessment, and periodontal instrumentation.

DHYG 3105 - Theory and Practice I (3 Credit Hours)

Concepts, principles, and skills essential for comprehensive patient assessment and education.

DHYG 3110 - Dental Anatomy (2 Credit Hours)

Primary and permanent dentition, root morphology, function, anomalies, and comparative anatomy.

DHYG 3115 - Applied Head and Neck Anatomy (2 Credit Hours)

Gross anatomy of head and neck, oral tissues, embryological development.

DHYG 3120 - Introduction to Clinic II (4 Credit Hours)

An introduction to patient care, power instrumentation, and dental sealants.

DHYG 3125 - Theory and Practice II (3 Credit Hours)

Dental hygiene care for special populations including medically compromised patients.

DHYG 3130 - Dental Radiology (3 Credit Hours)

Radiation physics, biology, infection control, radiograph exposure and processing.

DHYG 3135 - Dental Microbiology (2 Credit Hours)

Microbiology of living cells and pathogenesis of bacteria, fungi, and viruses.

DHYG 3140 - Periodontics Seminar (3 Credit Hours)

Study of the periodontium and clinical presentation of periodontal disease and treatment options.

DHYG 3150 - Dental Materials (1 Credit Hour)

Scientific principles of dental materials.

DHYG 3155 - Pain Management for the Dental Hygiene Patient (3 Credit Hours)

Prepare dental hygiene students to administer local anesthesia to the dental hygiene patient. Includes the theory and psychological aspects of pain control, selection of pain control modalities, anatomy and neurophysiology, pharmacology of local anesthetics and vasoconstrictors, infection control, systemic complications, safe injection practices, and management of medical emergencies. Students learn and perform intraoral block and soft tissue infiltration anesthesia techniques. The course is taught using lecture and laboratory/clinical formats and includes 30 didactic hours, 15 laboratory hours, and 15 clinical hours in accordance with Georgia Rule 150-5-.07 Administration of Local Anesthetic by Dental Hygienist. The course also includes a wide variety of learning strategies including lectures, group work, hands-on laboratory work, and peer patient practice.

Grade Mode: Normal (A, B, C, D, F) (A, B, C, D, F)

Additional Course Fee: Supplies Fee - \$50 Flat Fee

DHYG 3200 - Patient Care I (6 Credit Hours)

Clinical application of the dental hygiene process of care.

DHYG 3205 - Theory and Practice III (3 Credit Hours)

Concepts, principles, and skills essential for rendering comprehensive dental hygiene care.

DHYG 3220 - Dental Specialty Clinics I (1 Credit Hour)

Dental hygiene field experience at various dental specialty clinics.

DHYG 3225 - Dental Materials Lab (1 Credit Hour)

Manipulation and use of selected dental materials.

DHYG 3228 - Community Health and Research Design (3 Credit Hours)

Public health dentistry, epidemiology, program planning; research design, critique, decision-making.

DHYG 3230 - Patient Care II (6 Credit Hours)

Clinical application of the dental hygiene process of care.

DHYG 3235 - Theory and Practice IV (3 Credit Hours)

Concepts, principles, and skills essential for rendering comprehensive dental hygiene care.

DHYG 3240 - Pharmacology (3 Credit Hours)

Drugs used to treat diseases and disorders with emphasis on those used in dentistry.

DHYG 3250 - Pathology (2 Credit Hours)

Principles and mechanisms of disease with emphasis on clinical aspects of oral disease.

DHYG 3255 - Dental Specialty Clinic II (1 Credit Hour)

Expanded opportunities to observe, assist, and provide care to patients in various specialty clinics.

DHYG 3260 - Patient Care III (1 to 6 Credit Hours)

Clinical application of the dental hygiene process of care towards completion of program requirements.

DHYG 3280 - Practice Management and Ethics (2 Credit Hours)

Dental practice management with focus on ethical and legal issues.

DHYG 3285 - Dental Hygiene Practicum (2 Credit Hours)

Clinical dental hygiene field experience in a dental private practice setting.

DHYG 3301 - Patient Care IV (1 Credit Hour)

This course is a continuation of patient care experiences in dental hygiene clinics. Upon completion, the student clinician will be knowledgeable in both basic and advanced patient care procedures. The student will be able to assess each patient's oral health status, develop thorough problem lists and dental hygiene care plans based on this assessment, and then provide comprehensive dental hygiene patient care. Students will gain experience, confidence, and enhance clinical judgment skills.

Prerequisite(s): DHYG3230 >= 1

DHYG 4041 - Dental Hygiene Case Management (5 Credit Hours)

In professional practice, registered dental hygienists encounter several patient management issues. This course will allow dental hygienists to think more critically about the components involved in developing advanced care plans. Clinicians will synthesize prior knowledge of the dental hygiene process of care to address issues such as patient education, prescribed care, and insurance-based care as they relate to advanced care plans. Learning activities will include case presentation of involved dental hygiene care plans. *May be repeated for credit up to 1 time.*

DHYG 4042 - Dental Informatics (5 Credit Hours)

Dental informatics explores how technology has changed how information is obtained, reviews coding/current dental terminology, digital processing, electronic health records, dental software, and current diagnostic testing. *May be repeated for credit up to 1 time.*

DHYG 4043 - Public Health and Workforce Issues (5 Credit Hours)

This course will include an investigation of new healthcare reform affecting dentistry, access to care issues, alternative careers for dental hygienists, current and proposed workforce models, impact of state rules and laws on dental hygiene practice, interprofessional involvement in providing dental care, and other ethics/professional matters. *May be repeated for credit up to 1 time.*

DHYG 4044 - Assessment of Recognized Dental Specialties (5 Credit Hours)

Traditionally, registered dental hygienists are employed in general dentistry practice settings. This course is designed to allow the exploration of other unique specialty areas. A specialty is an area of dentistry that has been formally recognized by the American Dental Association as meeting the specified Requirements for Recognition of Dental Specialties. The responsibilities of the different areas of specialization, the requirements and other information can be found here in Dental Specialties. Currently there are nine dental specialties recognized by the ADA: Dental Public Health, Endodontics, Oral and Maxillofacial Pathology, Oral and Maxillofacial Radiology, Oral and Maxillofacial Surgery, Orthodontics and Dentofacial Orthopedics, Pediatric Dentistry, Periodontics, and Prosthodontics. *May be repeated for credit up to 1 time.*

DHYG 4045 - Current Issues in Periodontics (5 Credit Hours)

An exploration of current concepts in periodontics for the dental hygienist that includes in-depth review of the literature, overview of landmark studies that have shaped the current practice of periodontics, oral-systemic connections, non-surgical hand and power instrumentation update, and pain management

modalities. *May be repeated for credit up to 1 time.*

DHYG 4046 - Survey of Dental Sciences (5 Credit Hours)

An examination of essential aspects of dental sciences directly related to dental hygiene care including dental anatomy/occlusion, radiation biology, radiologic diagnosis, pharmacology, microbiology, pathology, and dental materials. *May be repeated for credit up to 1 time.*

DHYG 7000 - Current Concepts in Periodontics (3 Credit Hours)

An exploration of current concepts in periodontics for the dental hygienist.

DHYG 7010 - Survey of the Dental Sciences (3 Credit Hours)

Overview of pertinent dental sciences that are essential for the future dental hygiene educator.

DHYG 7020 - Teaching Methodology (4 Credit Hours)

Development of the teaching qualities required to become an educator and leader in dental hygiene.

DHYG 7030 - Teaching Practicum (5 Credit Hours)

Practical experience providing instruction to dental hygiene students in didactic, clinical and laboratory.

DHYG 7040 - Leadership, Organization, and Administration (4 Credit Hours)

Preparation to implement the roles of a dental hygiene program director/coordinator.

DIETETIC INTERNSHIP (DINT)

DINT 5100 - Dietetic Internship I (4 Credit Hours)

Supervised dietetic internship with affiliated institutions offering specialty rotations in various areas of dietetics, including nutrition support, diabetes, wellness, and food service management for the achievement of skills development for entry-level practice in dietetics.

DINT 5200 - Dietetic Internship II (5 Credit Hours)

Supervised dietetic internship with affiliated institutions offering specialty rotations in various areas of dietetics, including nutrition support, diabetes, pediatrics, wellness, and food service management for the achievement of skills development for entry-level practice in dietetics.

Prerequisite(s): DINT5100 >= CP

DIVERSITY AND DENTISTRY (DIVD)

DIVD 5601 - Diversity Issues and Language Skills for Dentistry (1 Credit Hour)

This is a lecture course which reviews opportunities in the profession of dentistry with emphasis on private practice, public health and opportunities in rural areas. This course also provides epidemiologic information on dentistry in Georgia as well as some training in cultural sensitivity.

TRANSFER LAB SCIENCE (DLAB)

DLAB 1 - Transfer Lab Science (1 to 10 Credit Hours)

DENTAL MATERIALS (DMAT)

DMAT 5601 - Dental Materials (2 Credit Hours)

This course is specifically designed to acquaint the third year student dentist with characteristic properties

of polymers, ceramics and metals as they relate to the science of Materials Engineering. It is the specific goal of this course to relate these material concepts to their clinical applications, providing the student with the ability to discern differences between materials failure and technique problems, as well as to provide a basis for rational selection of restorative dental materials.

DENTAL PATHOLOGY (DPAT)

DPAT 5602 - Clinical Pathology Conferences (2 Credit Hours)

This course is comprised of clinico-pathologic conferences encompassing differential diagnosis of systemic diseases. These conferences include "case studies" of diseases with emphasis on pathogenesis relative to clinical manifestations with implications for patient management during treatment of oral disease. Fundamentally, this course is conducted in a problem-solving format.

DPAT 5603 - Oral Pathology (5 Credit Hours)

This course examines the etiology and pathogenesis of oral and paraoral diseases in basic oral and maxillofacial pathology. The subject matter includes an introduction and biopsy techniques, developmental defects and anomalies, abnormalities of teeth, pupal/periapical diseases, periodontal diseases, bacterial infections, fungal and protozoal diseases, viral infections, physical and chemical injuries, allergies and immunologic diseases, oral cancer and epithelial pathology, and salivary gland pathology. The course is conducted via lectures coupled with clinico-pathology conferences which emphasize the development of a differential diagnosis and establishment of a final diagnosis.

DPAT 5604 - Clinical Oncology (1 Credit Hour)

This course is comprised of lectures and clinico-pathologic conferences, which primarily emphasize the diagnosis and management of malignant and benign lesions of the oral/perioral regions. Clinico-pathologic conferences are integrated for establishment of a differential diagnosis of lesions in the oral/perioral region as well as oral manifestations of systemic neoplasms.

PHARMACOLOGY (DPHM)

DPHM 5602 - Pharmacology and Therapeutics for Dental Practice (5 Credit Hours)

This course will provide the student with a working understanding of pharmacology and pharmacotherapeutics as applied to dental practice. Further, this course includes the pharmacology of drugs that affect the central nervous system, autonomic nervous system, cardiovascular system and endocrine function. Students will become familiar with drugs used in dental practice and the drugs that the patients may be taking for medical conditions.

DPHM 5603 - Pharmacology Seminar (1 Credit Hour)

This course is a seminar review and an update of pharmacologic topics. A national board examination package has been assembled from the last (seven credit hours) released exams. The questions are grouped according to topics and questions are identified by year. At each session, students will register their responses to selected questions (either exact or modifications of those which have appeared on the national board examinations) utilizing a computerized program. The program allows instantaneous display of percentile distribution of answers to each question and thereby class performance on each question. After students have attempted each question and results have been displayed, the faculty will provide information as to why a particular answer is correct and the distracters are wrong. The extent of discussion for each question will depend on the class performance on each question. Approximately 25-30 questions on designated topics will be attempted during each scheduled session.

DENTAL CLINICAL RESEARCH (DRES)

DRES 8111 - Clinical Dental Research Journal Club I (1 Credit Hour)

Immerses students into published clinical dental research. Each semester focuses on a particular clinical study design. Reading assignments are assigned weekly. Mentored group discussions aid student understanding of the methods, advantages, limitations, and implications of investigational methodology using relevant clinical dental examples. Students are expected to read the assigned papers and participate in the group discussion. *May be repeated for credit.*

DRES 8170 - Dental Clinician-Scientist Seminar Series I (1 Credit Hour)

Immerses students into the work of current and historical figures in the dental profession who have made meaningful contributions to both the clinical and scientific spheres. Guest lecturers are a prominent feature of this course. Students interact and learn from some of the same people whose scientific and clinical work they have learned (or will learn) from. *May be repeated for credit.*

DRES 8210 - Research Project Development (1 Credit Hour)

Students learn how to design and develop a research project. *May be repeated for credit.*

DRES 8300 - Mentored Thesis Research I (1 Credit Hour)

This course provides time for students to design, execute, analyze, and write their thesis project. *May be repeated for credit.*

DIAGNOSTIC SCIENCES CLINICAL PATH (DSCP)

DSCP 5701 - Diagnostic Sciences Conference (2 Credit Hours)

This is a case-based advanced level course in diagnostic sciences for students in the fourth year of the dental curriculum. The course is divided into three types of seminars that focus on: 1) oral and maxillofacial pathology; 2) oral and maxillofacial radiology and 3) oral medicine/medically complex patient management. The purpose of the course is to reinforce and advance clinical diagnostic, critical thinking and problem solving skills. Each session will consist of a discussion of selected cases in the designated areas, presented by faculty and students. A final exam will consist of cases in each of the three areas, and include questions about diagnosis and management. *May be repeated for credit up to 2 times.*

DIAGNOSTIC SCIENCES ORAL MEDICINE (DSOM)

DSOM 5301 - Oral Diagnostic Sciences I (5 Credit Hours)

This course introduces principles of general pathology, as well as soft tissue disorders of the oral and maxillofacial (OMF) area. The general pathology topics include cell and tissue injury, adaptation, and death; inflammation and repair, infectious disease, immunopathology, genetic disorders and neoplasia. These topics are necessary to facilitate the understanding of systemic abnormalities discussed in BMCR 5301, BMRS 5301, BMGH 5301, and BMMS 5301, as well as specific OMF area disorders discussed in this course. The content and sequence are consistent with the Systems modules. Note that the musculoskeletal system is addressed in BMMS 5301, which ends in December, and the hematopoietic system is discussed in D2 Spring semester. Therefore, disorders of jaws and blood are not discussed in this course. The etiology, pathogenesis and clinical manifestations of disorders affecting soft tissues of the OMF area are included in this course, such as developmental abnormalities, injuries, infections, non-infectious inflammatory conditions and neoplastic disorders. Review of selected normal structure-function materials from D1 coursework is also required. The didactic portion consists of lectures and online content, followed by case-based seminars to reinforce lecture material and facilitate the development of skills in diagnosis. *May be repeated for credit up to 2 times.*

DSOM 5402 - Oral Diagnostic Sciences II (4 Credit Hours)

This is a comprehensive course focused on the etiology, pathogenesis, clinical, radiographic and pathologic features of developmental, inflammatory, neoplastic and other disorders affecting jaws, temporomandibular joints and teeth, as well as their management in dental practice. This course builds upon, and reinforces, the principles of normal and abnormal structure-function covered in BMCC 5201, DSOM 5301, BMMS 5301 and BMMS 5402.* The didactic portion consists of lectures and online content, followed by case-based seminars to facilitate the development of a skills in differential diagnosis and management. *May be repeated for credit up to 2 times.*

DSOM 5591 - Oral Medicine Clinic I (1 Credit Hour)

This clinical course focuses on applying the principles in obtaining a health history/medical history for the medically compromised patients and performing a comprehensive soft tissue head and neck examination/oral cancer screening and risk assessment. Students will develop a clinical experience in taking medical history medication history ; learn clinical pharmacology and how patients' oral health is affected by medications. Develop a medical risk assessment and treatment approach for medically complex patient and learn to develop modifications to dental care tailored to the specific patient's need based on the medical risk assessment. *May be repeated for credit up to 2 times.*

DSOM 5603 - Oral Diagnostic Sciences III (3 Credit Hours)

This case-based course provides the student with a practical approach to the dental management of patients with selected medical problems and patients with non-odontogenic facial pain. Instruction is designed to correlate the basic sciences with the dental relevance and dental management of patients with commonly occurring disease processes. A section with a special focus on older patients (geriatric dental patients) is also part of this course, and includes online modules with quizzes, followed by comprehensive seminars. Assignments and quizzes based upon these assignments will be due prior to the discussion of the related cases in class. Time spent in class will be a case based discussion of patients with medical problems and the modifications to treatment that would be necessary. *May be repeated for credit up to 2 times.*

DSOM 5692 - Oral Medicine Clinic II (1 Credit Hour)

This is a clinical course which is divided into two sections:

- 1- Oral Medicine focuses on applying the principles in obtaining a health history/medical history and performing a comprehensive soft tissue head and neck examination/oral cancer screening. Students will develop a medication history; learn clinical pharmacology and how patients' oral health is affected by medications. Develop a medical risk assessment and treatment approach for medically complex patient and learn to implement modifications to dental care based on the medical risk assessment.
- 2- Oral Radiology focuses on both the technical aspect of obtaining a full mouth radiographic series and the skills involved with radiographic interpretation. This involves self-evaluation of radiographic technique, proper radiation hygiene, adequate patient management, selection criteria, and radiographic diagnosis of common oral diseases. *May be repeated for credit up to 2 times.*

DIAGNOSTIC SCIENCES RADIOLOGY (DSRD)

DSRD 5211 - Radiology (2 Credit Hours)

This is an introductory course in dental radiology for the first year dental student that includes a laboratory session in radiographic technique and error recognition. The didactic portion of the course covers the following subject matter: radiation physics, radiation biology and safety, radiographic technique and error recognition, infection control, digital radiography and image processing, Diagnostic quality of radiographic images, Special techniques and pediatric radiology, and patient management. *May be repeated for credit up to 2 times.*

DSRD 5591 - Radiology Clinic I (1 Credit Hour)

This is a clinical course pertaining to Radiographic techniques and Image interpretation. Oral Radiology focuses on both the technical aspect of obtaining a full mouth radiographic series and the skills

involved with radiographic interpretation. This involves self-evaluation of radiographic technique, proper radiation hygiene, adequate patient management, selection criteria, and radiographic diagnosis of common oral diseases. *May be repeated for credit up to 2 times.*

DSRD 5692 - Radiology Clinic II (1 Credit Hour)

This is a clinical course pertaining to Radiographic techniques and Image interpretation. Oral Radiology focuses on both the technical aspect of obtaining a full mouth radiographic series and the skills involved with radiographic interpretation. This involves self-evaluation of radiographic technique, proper radiation hygiene, adequate patient management, selection criteria, and radiographic diagnosis of common oral diseases. *May be repeated for credit up to 2 times.*

EARLY CHILDHOOD (ECED)

ECED 6343 - K-5 Math Endorsement: Capstone (3 Credit Hours)

This is a capstone course intended for teachers who are pursuing the K-5 Mathematics Endorsement. It is designed to provide opportunities for teachers to implement, document, and reflect upon the implementation of their content and pedagogical knowledge.

Prerequisite(s): MATH6341 >= C

ECONOMICS (ECON)

ECON 1101 - Economics of Financial Literacy (3 Credit Hours)

Explores the microeconomic and macroeconomic principles that underpin financial literacy, emphasizing the importance of informed decision-making in personal finance. Students learn how to apply economic thinking to real-world financial situations and develop the skills necessary to make sound financial decisions. Specifically, students learn how to use economic theories and concepts to make informed decisions about budgeting, cash flow management, maximizing their earnings potential, tax planning, obtaining and using credit, saving and investments, insurance and risk management, and retirement. The course emphasizes the importance of understanding the broader economic context when developing and implementing financial plans.

Dual Enrollment Status: Approved for Dual Enrollment

ECON 1810 - Introduction to Economics (3 Credit Hours)

A survey course for non-business majors. It covers both macro and micro-economics and is aimed at developing an understanding of economic policies and problems.

ECON 2105 - Macroeconomics (3 Credit Hours)

This introductory course explains the nature of the economic problems which any society must solve and how a mixed economy solves these problems. Topics covered include supply and demand, income and employment, money and banking, and fiscal policy.

Prerequisite(s): (MATH 1101 >= C or MATH 1111 >= C or MATH 1113 >= D or MATH 1220 >= D)

ECON 2106 - Microeconomics (3 Credit Hours)

The determination of prices and output levels and the explanation of economic equilibrium of individual economic units--the consumer, the firm, and the industry.

Prerequisite(s): (MATH 1101 >= C or MATH 1111 >= C or MATH 1113 >= D or MATH 1220 >= D or MATH 1001 >= C) or MATH 1001 >= C

ECON 3105 - Intermediate Macroeconomics (3 Credit Hours)

This course will explain, at an intermediate level, the major controversies and theories that have shaped macroeconomics. Students will learn to apply these theories in order to understand current international and national news.

Prerequisite(s): ECON2105 >= C

ECON 3106 - Intermediate Microeconomics (3 Credit Hours)

This course develops modern microeconomic theory at an intermediate level and applies it to a large number of personal, business, and global public policy cases.

Prerequisite(s): ECON2106 >= C

ECON 3130 - Healthcare Economics and Finance (3 Credit Hours)

The aim of this course is to provide students with core capabilities in understanding and applying financial concepts and techniques as well as the principles and tools of healthcare economics to inform the decision making of a health care manager. Topics include: fundamentals of health insurance; the relationship between population health and economics; the cost of chronic diseases and obesity; public sources of healthcare cost data and data sharing; life expectancy and health care decisions; volume-based versus value based payment systems; and the effects of industry consolidation.

Prerequisite(s): MGMT2106 >= C and ECON2106 >= C

ECON 4106 - Firm and Industry Studies (3 Credit Hours)

The aim of this course is to provide students with core capabilities in understanding and applying economic principles, tools and concepts to a variety of firms and industries. Emphasis will be placed on unique features of specific industries as well as their commonalities. Industries studied include sport and entertainment, manufacturing, healthcare, technology, primary products, energy, and wines and spirits.

ECON 4110 - Economic Modeling and Forecasting (3 Credit Hours)

Introduces the core capabilities in the theory and practice of economic modeling and forecasting.

Emphasis is placed on relevant business and policy-related decision making using economic models, data, and forecasts.

Prerequisite(s): MATH 1401 >= C

ECON 4420 - Financial Markets and Institutions (3 Credit Hours)

This course explores the role of financial markets and institutions in the economy. Topics include money and capital markets, the role of the Federal Reserve and the function and operating characteristics of financial institutions.

ECON 4820 - International Economics and Finance (3 Credit Hours)

The theory of international trade, balance of payments, exchange rates, monetary movements, capital markets, and commercial policy. Implications of international financial reforms and international economic integration.

Prerequisite(s): (ECON2106 >= C or ECN102 >= C or ECN251 >= C) and (ECON2105 >= C or ECN252 >= C or ECN101 >= C)

ECON 4950 - Selected Topics in Economics (3 Credit Hours)

A course and/or directed study of a major issue, practice, or problem in the area of economics. Content based on needs and professional objectives of students and the experience and availability of faculty.

May be repeated for credit.

ECON 4990 - Undergraduate Research (1 to 3 Credit Hours)

Faculty supervised research on an applied economic topic of interest to the student or faculty supervisor. Students will apply economic theory and statistical analysis to an economic topic. Research agreement must be made between students and faculty member prior to enrolling in the course. A minimum of three hours of work per week for each semester hour of credit. *May be repeated for credit up to 3 times.*

Prerequisite(s): ECON4110 >= C

ECON 6800 - National and International Economics for Management (3 Credit Hours)

This course demonstrates how economic theory is applied to national and international managerial decision-making.

ECON 6850 - Health Economics (3 Credit Hours)

Introduces broad content in health economics consisting of "supply" and "demand" side of health care markets. First, the "supply side" covers health production function, providers markets, health insurance, and health care reform and the Affordable Care Act (ACA). Next, the "demand side" covers the Grossman human capital model of health, socioeconomic status and health, health insurance and health, as well as economic models of addiction, smoking, alcohol, and obesity.

ECON 6950 - Current Issues in Economics (3 Credit Hours)

A variable content course individually designed to meet the needs, interests, and professional objectives in business administration. *May be repeated for credit.*

EDUCATION – CURRICULUM AND INSTRUCTION (EDCI)

EDCI 7110 - Curriculum Studies (3 Credit Hours)

This course explores the theoretical frameworks that inform various instructional models, historical and contemporary issues in curriculum development, and the nature and purpose of curriculum change. In addition, theoretical constructs and philosophical frameworks that undergird modern classroom instruction and assessment practices will be examined. Candidates in this course will apply curriculum theory and conceptual frameworks to design and develop content-specific curriculum.

EDCI 7140 - Fundamental and Contemporary Theories of Learning (2 Credit Hours)

This course involves the application of psychological theories of learning and scientific findings to learning activities of the classroom as well as to the more complex problems of the educational process. The main focuses are on the learner, the learning process, and the learning condition. In addition to examining the science of learning, the art of teaching will also be discussed.

EDCI 7160 - Curriculum Design (1 Credit Hour)

This course will examine and analyze the following core elements of curriculum design: conceptual purpose, content, coherence, articulation within a subject area across grade levels, and across subjects, alignment with both achievement standards and achievement assessments. Program assessment will be examined with particular attention to how it differs from but is relevant to student performance assessment.

EDCI 7224 - Critical Content Literacy (3 Credit Hours)

This course will address literacy strategies and skills in content areas/disciplines to enhance learning and student understanding. Emphasis is placed on research-based instructional strategies that facilitate cross-content literacy.

EDCI 7225 - Decoding Student Engagement (3 Credit Hours)

Students explore persistent questions about K-12 learner engagement in schools and classrooms. The nature of engagement and its role in meaningful learning are presented. Various challenges to learner engagement are unearthed and studied and solutions sought and applied to teaching contexts. Theoretical models and empirical research inform strategies teachers can use to enrich and enhance learner engagement across K-12 grade levels and content areas for the purpose of creating more satisfying experiences for teachers and their students.

EDCI 7226 - Centering Students in the Curriculum: Cultivating Instruction for Student and Community Culture (3 Credit Hours)

This course is part of the sequence that comprises the Ed.S. program. The course examines culturally relevant, responsive, and sustaining curricula and pedagogy to create lessons, learning, and products rooted in our students, their cultures, and their interests. Students also themselves to identify and unearth potential obstacles to designing and implementing curricula and pedagogy in this capacity because the development of these products is dependent upon positive student-teacher relationships and a willingness to engage with these approaches.

EDCI 7227 - Innovating the World Language Classroom (3 Credit Hours)

This graduate-level course is designed for K-12 world language teachers seeking to transform their classrooms through contemporary pedagogies and innovative strategies. The course combines theoretical foundations with practical applications, allowing participants to immediately implement new strategies and assess their effectiveness. Participants explore methods to enhance student engagement, language fluency, and cultural development by integrating modern teaching practices into their world language curriculum. By the end of the course, participants are equipped with the tools to create dynamic, inclusive, and effective language-learning environments that foster both linguistic proficiency and intercultural competence.

EDCI 7256 - Writing Theory (3 Credit Hours)

Examines general theories of writing instruction and composition. In addition, writing theory as it relates to classroom writing instruction is addressed, and the theories that undergird best instructional practices in writing are explored in detail.

EDCI 7258 - Assessment in Writing (3 Credit Hours)

Examines assessment as it relates to writing instruction. Candidates evaluate and develop writing rubrics, review standardized test prompts and accompanying rubrics, differentiate between formal and informal assessment in writing, and identify different ways to assess writing.

Prerequisite(s): EDTD 6257

EDCI 7259 - Applications of Effective Writing Instruction (3 Credit Hours)

Examines best writing practices in schools, implementation of these practices in classrooms, assessment in writing, and writing theory as it relates to practice. Educational theory and practice come together to enable students to develop strategies and employ best writing practices.

EDCI 7364 - Improving Instruction (3 Credit Hours)

This course involves the application of theories of learning in conjunction with a variety of instructional techniques and strategies that promote content and skill-based knowledge acquisition and critical thinking. The practicality and applicability of various instructional strategies will also be addressed.

EDCI 7910 - Advanced Inquiry in Educational Studies (3 Credit Hours)

Students will carry out empirical research, action research, and/or theoretical inquiry that represents the application of theory, the extension of research, or the development of creative approaches to aspects of teaching and learning.

EDUCATIONAL INNOVATION (EDEI)

EDEI 8000 - Introduction to Scholarly Practitioner Learning Communities (1 Credit Hour)

This introduction to the Ed.D. in Educational Innovation program orients students to the necessary resources for successful completion of the degree.

EDEI 8001 - Equity and Social Justice (3 Credit Hours)

In the context of teaching and learning for life, this course explores the psychological, affective, cognitive, and environmental growth of students from marginalized groups. Students examine social justice and the variety of perspectives that construct situations and circumstances for these students in a democratic society and the impact on educational practice and innovation.

EDEI 8020 - Advanced Educational Research Design (3 Credit Hours)

This course focuses on the foundations of designing educational research and the philosophical assumptions that guide inquiry. The course emphasizes alignment between research elements including identifying a research problem, ethical obligations as a researcher, reviewing the literature, specifying a purpose, and writing research questions.

EDEI 8021 - Advanced Practice in Applied Quantitative Research (3 Credit Hours)

This course is designed to develop a foundation for students to use statistics as a tool to analyze and interpret data in applied research settings. This course focuses on descriptive and inferential statistics relevant to educational data including: frequency distributions, central tendency, variability, correlations, bivariate linear regression, and hypotheses testing via t-test, chi-square, and analysis of variance.

Prerequisite(s): (EDUC7021 >= B or EDEI8020 >= B)

EDEI 8022 - Advanced Practice in Applied Qualitative Research (3 Credit Hours)

This course discusses qualitative methodologies from various traditions including, but not limited to ethnography, case study, phenomenology, and narrative inquiry, along how they are applied through design and data collection. Methods include the collection of interview, observation, and artifact data in both formal and informal educational settings. Issues of trustworthiness and positionality are additionally emphasized.

Prerequisite(s): EDEI8020 >= C

EDEI 8025 - Advanced Quantitative Data Analysis in Education (3 Credit Hours)

This course focuses on advanced quantitative analytical methods relevant to educational data. The course will additionally focus on the presentation of findings and discussion of results in a quantitative research report.

Prerequisite(s): EDEI8021

EDEI 8026 - Advanced Qualitative Data Analysis in Education (3 Credit Hours)

This course covers advanced qualitative data analysis and addresses multiple approaches to analysis, interpretation, and representation. The course will specifically focus on the development of the findings and discussion sections of a qualitative research report with reflexivity and ethical considerations in mind.

Prerequisite(s): EDEI8022

EDEI 8160 - Curriculum Theory (3 Credit Hours)

This course examines the various philosophical and theoretical traditions in curriculum theory to support educational innovation in various settings. The class addresses theoretical framework used to investigate, analyze, and critique theories, policies, and practices associated with curriculum.

EDEI 8162 - Advanced Principles of Pedagogy and Learning (3 Credit Hours)

This course addresses researched-based pedagogical models and instruction techniques using current research in learning theory to inform and guide innovation in different educational settings.

EDEI 8163 - Seminar in Place-Based Education (3 Credit Hours)

This course addresses the theory and practice of place-based education to support educational innovation.

EDEI 8165 - Curriculum Inquiry (3 Credit Hours)

This course addresses the skills and knowledge of curriculum research methodologies. Through

investigation of methodologies used in curriculum research, students develop the ability to analyze, conceptualize, and effectively research issues in curriculum for educational innovation.

EDEI 8166 - Alternative Curriculum Models (3 Credit Hours)

This course addresses a variety of curricular models in education, engaging students in the analysis and potential viability of curricula in diverse educational settings. Focusing on alternative methods of designing curriculum, schooling, and instruction, students will investigate the application of alternative models as drivers of innovation in current educational systems.

EDEI 8167 - Educational Technology to Transform Practice (3 Credit Hours)

This course addresses the design, implementation, and evaluation of educational technology to affect innovation in professional learning programs. Topics include assessing technology needs, designing effective learning and reflection using innovative technology, and evaluating technology tools for curriculum, instruction, and assessment.

EDEI 8420 - Economics of Public Education (3 Credit Hours)

The course is designed to create an understanding of economic principles so that the candidate becomes aware of how changes in the macro economy can have an influence on public institutions. Emphasis will be placed in the analysis of policy issues and economic trends that influence innovation in educational settings.

EDEI 8430 - Philanthropic Development for Leading Innovation (3 Credit Hours)

The course encompasses an ethical framework for addressing the roles of educational leaders in regards to leading, managing, and overseeing philanthropic development and fundraising activities that support educational innovation.

EDEI 8450 - Leading Innovations in Teaching and Learning (3 Credit Hours)

This course explores evolving trends in instructional leadership practices for aligning curriculum with instruction and the effective assessment of teaching and learning processes. Approaches to innovation measures of effectiveness in the evaluation of teaching and learning are also examined.

EDEI 8460 - Leadership and Interpersonal Dynamics (3 Credit Hours)

This course explores leadership in relation to work groups and teams in organizational settings. Group and team dynamics, facilitation skills, and leader behaviors necessary for leading innovation are addressed.

EDEI 8461 - Educational Change (3 Credit Hours)

This course addresses change theories, how they apply to reform measures in schools, and the impact of change on teaching and learning. Candidates apply strategies for leading and managing change in schools.

EDEI 8950 - Special Topics (3 Credit Hours)

This is the selected topics course in the Ed.D. in Educational Innovation. Subject and course content will vary. *May be repeated for credit up to 3 times.*

EDEI 8998 - Educational Innovation Dissertation in Practice Preparation (1 to 6 Credit Hours)

The Educational Innovation Dissertation in Practice is required of all Ed.D. candidates. Candidates demonstrate the capability to conduct and apply research outcomes to make strategic decisions and affect educational innovation. This course addresses preparation and defense of a formal dissertation in practice research proposal. *May be repeated for credit.*

EDEI 8999 - Educational Innovation Dissertation in Practice (1 to 6 Credit Hours)

Dissertation in Practice for Ed.D. candidates enrolled in this course implement, report, and defend

approved Educational Innovation Dissertation in Practice research. *May be repeated for credit up to 3 times.*

Prerequisite(s): EDEI8998 >= S

EDLR EDUCATIONAL LEADERSHIP (EDLR)

EDLR 2900 - Literacy Tutoring and Mentoring Leadership (1 to 3 Credit Hours)

This course introduces university students to literacy training in mentoring and tutoring. *May be repeated for credit.*

EDLR 6205 - Capstone in Leadership (3 Credit Hours)

A culminating leadership project and a personal portfolio prepared by the candidate (electronic and/or hard copy) to synthesize the concepts and content learned in the leadership program. The project and portfolio will be presented in a public forum.

EDLR 6400 - Fundamentals of Leadership and Administration (3 Credit Hours)

This course is an introduction to the theory and practice of leadership and administration. Major concepts such as change, conflict management, communication, decision-making, and organizational culture are addressed. School/district/workplace-level performance-based field and lab exercises required.

EDLR 6430 - School Law (3 Credit Hours)

This course examines the legal and fiduciary roles and responsibilities of the school leaders in a performance-based school leadership context. Candidates will examine and demonstrate an understanding of federal, state, and local laws necessary to create a supportive learning environment focused on success for all learners. Ethical and legal issues in communication and relationship-building are integral parts of the course. School/district-level performance-based field exercises are required.

EDLR 6440 - Developing Professional Learning Communities (3 Credit Hours)

This course prepares educational leadership candidates to develop and implement professional learning communities in their schools. School-level performance-based field/lab exercises are required.

EDLR 6550 - Instructional Supervision for Improving P-12 Learning (3 Credit Hours)

This course is designed to introduce students to an understanding of their supervisory role to all personnel in the school/district setting. Students will develop the awareness, understanding, and capability related to the concepts of supervisory leadership, employ adult learning theory, encourage human relations, provide staff development, apply administrative functions, and organize for change in a collaborative mode with the administrator, teaching staff, adjunct faculty, non-contractual school personnel and community. School/district-level performance-based field and lab exercises required.

EDLR 6610 - The Principalship (3 Credit Hours)

This course addresses the roles and responsibilities of the school principal in a performance-based leadership context. Candidates will examine the knowledge, dispositions, and skills required to lead and manage an effective school, focused on success for all students. School/district-level performance-based field exercises are required.

EDLR 6620 - Human Resources and Group/Community Dynamics (3 Credit Hours)

This course addresses leadership knowledge, performance, and attitudinal competencies as they relate to the principles of human relations, group dynamics, and community relations. Topics include communication, motivation, attitudes, conflict resolution, positive energy, and group leadership. School/district/workplace-level performance-based field and lab exercises required.

EDLR 6630 - Leading Literacy Programs P-12 (3 Credit Hours)

This course addresses theories and practices relevant for creating and supervising literacy programs. School/district/workplace-level performance-based field and lab exercises required. *May be repeated for credit.*

EDLR 6640 - Developing Trends in Educational Leadership (3 Credit Hours)

This course provides opportunities for educational leadership candidates to explore and synthesize developing trends and issues in school leadership practices through a variety of sources and resources. Performance-based field/clinical exercises are required.

EDLR 6650 - Grants Writing: Resources for P-12 Learning (3 Credit Hours)

This course is designed to allow students the opportunity to learn methods/processes of grants writing, i.e., project development, funding source development, and proposal writing. School/district-level performance-based field and lab exercises required.

EDLR 6720 - Leading School Operations and Resources (3 Credit Hours)

Topics covered in the course include physical plant operations, school budget development, operating within legal mandates, recruiting and evaluating personnel, working with administrative staff, and development of effective individual and group communication. Performance-based field activities are required. *May be repeated for credit.*

EDLR 6730 - Leading Culture and Diversity in Schools (3 Credit Hours)

This course addresses the role of the school leader in improving the effectiveness of schools by leading and supporting diverse families and multi-cultural communities in proven efforts that impact overall student achievement. Performance-based field activities are required. *May be repeated for credit.*

EDLR 6740 - Leading the Learning Environment (3 Credit Hours)

This course introduces educational leadership candidates to the beginning knowledge, skills, and dispositions needed to lead a productive teaching and learning environment. Candidates will develop the knowledge, skills, and dispositions to lead effective practices for instructional efficacy and buffering of the learning environment from disruptive and distractive forces. Performance-based field clinical exercises and experiences are required. *May be repeated for credit.*

EDLR 6900 - Tier One Certification Clinical Residency I (1 Credit Hour)

This course is designed to provide students with leadership opportunities in the solution of an administrative or leadership problem at the school site. In collaboration with the building level coach, performance based, building level projects will be identified, planned, designed, implemented, and evaluated. Prerequisite(s): none.

Additional Course Fee: Educational Leadership Superv - \$35 Flat Fee

EDLR 6901 - Tier One Certification Clinical Residency II (1 Credit Hour)

This course is designed to provide students with leadership opportunities in the solution of an administrative or leadership problem at the school site. In collaboration with the building level coach, performance based, building level projects will be identified, planned, designed, implemented, and evaluated.

Prerequisite(s): EDLR6900 >= C; Additional Course Fee: Educational Leadership Superv - \$35 Flat Fee

EDLR 6902 - Tier One Certification Clinical Residency III (1 Credit Hour)

This course is designed to provide students with leadership opportunities in the solution of an administrative or leadership problem at the school site. In collaboration with the building level coach, performance based, building level projects will be identified, planned, designed, implemented, and evaluated.

Prerequisite(s): EDLR6900 >= C and EDLR6901 >= C; Additional Course Fee: Educational Leadership Superv - \$35 Flat Fee

EDLR 6950 - Selected Topics in Leadership (1 to 3 Credit Hours)

This course examines leadership trends, issues, and problems in the light of recent knowledge and research. This is a variable content course intended to meet the needs and interests of graduate students in selected areas of leadership. School/district/workplace-level performance-based field and lab exercises required. *May be repeated for credit.*

EDLR 6990 - Practices in Teacher Leadership I (2 Credit Hours)

This course examines the role of teacher leaders in guiding and supporting instructional planning to improve academic achievement for all students. The course emphasizes field-based coaching and mentoring experiences that allow the teacher leader to demonstrate the content expertise, pedagogical knowledge, interpersonal skills, planning skills, and supervision skills needed to successfully guide the process of effective teaching and learning in a school setting.

EDLR 6991 - Practices in Teacher Leadership II (2 Credit Hours)

This course is the second residency in which teacher leaders synthesize and apply the knowledge, skills, and practices identified in Teacher Leadership standards. The course requires advanced field-based coaching and mentoring experiences. Candidates guide and support school improvement plans to improve academic achievement for all students. The course requires knowledge, skills, and dispositions for facilitating collaboration and leading specific components of school improvement plans. Field hours must be completed in multiple settings: P-2, 3-5, 6-8, and 9-12. Candidates continue to work on Individualized Growth Plan. An e-portfolio is presented at the conclusion of the residency.

Prerequisite(s): EDLR6990 >= S

EDLR 6992 - Practices in Teacher Leadership III (2 Credit Hours)

This course examines the role of teacher leaders in guiding and supporting instructional planning to improve academic achievement for all students. The course emphasizes field-based coaching and mentoring experiences that allow the teacher leader to demonstrate the content expertise, pedagogical knowledge, interpersonal skills, planning skills, and supervision skills needed to successfully guide the process of effective teaching and learning in a school setting.

Prerequisite(s): EDLR6990 >= S and EDLR6991 >= S

EDLR 7000 - Special Topics in Educational Leadership (3 Credit Hours)

This course examines problems in the light of recent knowledge and research in educational leadership. Focus is on specifically designated areas of educational leadership. School/district-level performance-based field and lab exercises required. *May be repeated for credit.*

EDLR 7031 - Educational Program Evaluation (3 Credit Hours)

Candidates explore theories, concepts, practices and processes in educational program evaluation, effectiveness measures, and alignment to vision, mission, and stated educational goals. Skills in conducting, using, and communicating evaluation findings are an integral part of this course.

Performance-based experiences constitute substantial parts of this course.

Prerequisite(s): EDUC 6021 >= C

EDLR 7351 - Tier II Clinical Residency for Educational Leaders - I (4 Credit Hours)

This is the first of the consecutive three-series residency courses designed to provide Tier-II leadership candidates with increasing and evolving leadership opportunities and responsibilities at the school/district levels. In collaboration with a field coach/mentor and supervising instructor, performance-based assignments, activities, and projects are identified, planned, designed, implemented, evaluated, and reported for the purposes of improving school/district and student performance. The course final grade U or S.

Additional Course Fee: Educational Leadership Superv - \$35 Flat Fee

EDLR 7352 - Tier II Clinical Residency for Educational Leaders - II (4 Credit Hours)

This is the second of the consecutive three-series residency courses designed to provide Tier-II leadership candidates with increasing and evolving leadership opportunities and responsibilities at the school/district levels. In collaboration with a field coach/mentor and supervising instructor, performance-based assignments, activities, and projects are identified, planned, designed, implemented, evaluated, and reported for the purposes of improving school/district and student performance. The course final grade U or S.

Prerequisite(s): EDLR7351 >= C; Additional Course Fee: Educational Leadership Superv - \$35 Flat Fee

EDLR 7353 - Tier II Clinical Residency for Educational Leaders - III (4 Credit Hours)

This is the third of the consecutive three-series residency courses designed to provide Tier-II leadership candidates with increasing and evolving leadership opportunities and responsibilities at the school/district levels. In collaboration with a field coach/mentor and supervising instructor, performance-based assignments, activities, and projects are identified, planned, designed, implemented, evaluated, and reported for the purposes of improving school/district and student performance. The course final grade U or S.

Prerequisite(s): EDLR7351 >= C and EDLR7352 >= C; Additional Course Fee: Educational Leadership Superv - \$35 Flat Fee

EDLR 7430 - Improving Instructional Capacity Through Change (3 Credit Hours)

This course provides opportunity for educational leadership candidates to explore perspectives on managing change and building instructional capacity in schools. The course examines critical factors that drive change in schools and the types of changes schools face in contemporary times. Domains of school and instructional performance, in change contexts, are examined and used to inform instructional capacity building. Performance-based field clinical exercises, assessments, and experiences constitute substantial parts of this course.

EDLR 7450 - Public School Finance (3 Credit Hours)

The course will examine the equity and efficiency of tax supported public education, current trends in funding of public education and administrative tasks of the budget process such as determining needs, establishing cost, compensating personnel, purchasing, accounting, auditing, inventorying, warehousing, and paying the bills will be studied. School/district-level performance-based field and lab exercises required.

EDLR 7460 - Leadership Styles (3 Credit Hours)

This course provides the opportunity for students to study leadership theory and effective management practices in American and International organizations. School/district-level performance-based field and lab exercises required.

EDLR 7470 - Managing Educational Operations to Support Teaching and Learning (3 Credit Hours)

This course is designed to introduce candidates to effective practices in sourcing, allocating and utilizing educational resources and facilities to effectively support the teaching/learning process and meet the needs of all students from diverse backgrounds. Performance-based field clinical exercises, assessments, and experiences constitute substantial parts of this course.

EDLR 7500 - Organizational Development in Education (3 Credit Hours)

This course will introduce the student to the unique organizational behaviors of educational institutions. The processes of leadership, organization, development, theory, decision-making, and administrative processes will be studied. The overarching goal will be to develop leadership traits that will directly facilitate and impact levels of teaching and learning. School/district-level performance-based field and lab exercises required.

EDLR 7570 - Policy and Issues in Educational Leadership (3 Credit Hours)

Candidates will examine current and emerging federal, state, and local educational issues and policies affecting governance. Policy evaluation, issue advocacy and policy articulation related to promoting school improvement are integral parts of this course. Performance-based field clinical exercises, assessments, and experiences constitute substantial parts of this course.

EDLR 7620 - Leading Diverse Communities to Support Teaching and Learning (3 Credit Hours)

This course addresses the role of the educational leader as a crucial driver in examining the diversity and equity contexts of schools. The course focuses on how educational leaders can transform schools through leading and supporting diverse students, teachers, staff, families and communities in partnership efforts that positively impact achievement for all students. Performance-based field clinical exercises, assessments, and experiences constitute substantial parts of this course.

EDLR 7630 - Improving Instructional Capacity Through Change (3 Credit Hours)

This course provides opportunity for educational leadership candidates to explore perspectives on managing change and building instructional capacity in schools. The course examines critical factors that drive change in schools and the types of changes schools face in contemporary times. Domains of school and instructional performance, in change contexts, are examined and used to inform instructional capacity building. Performance-based field clinical exercises, assessments, and experiences constitute substantial parts of this course. *May be repeated for credit up to times.*

EDLR 7960 - School Performance Analysis and Evaluation (3 Credit Hours)

This course is designed to provide candidates with an understanding of the relevant domains of school performance (DoSP). The course introduces candidates to the identification, measurement, analysis, synthesis and evaluation of relevant DoSP and the implications for school improvement.

TEACHER EDUCATION (EDTD)**EDTD 2011 - Educational Technology (3 Credit Hours)**

Examines creative use and assessment of various computer platforms, specialty hardware, integrated software, presentation software, communication software, and information systems which are directly related to effective teaching.

EDTD 2500 - Effective Professional Communication in Education (3 Credit Hours)

This course addresses the discourses required of teachers in the field of education, with an emphasis on composing various professional documents and the etiquette for engaging in written and oral communication within professional education contexts. Students will learn how to use and apply source materials in academic writing and review basic writing conventions and formatting. An exploration of discourse and its relationship to culture and identity will also be included.

EDTD 3011 - Educational Technology (3 Credit Hours)

Examines creative use and assessment of various computer platforms, specialty hardware, integrated software, presentation software, communication software, and information systems which are directly related to effective teaching.

EDTD 3200 - Assessment and Differentiation for Adolescent Learners (3 Credit Hours)

This course will examine principles and strategies of effective classroom assessment techniques as well as methods for using assessment to inform instruction in a differentiated adolescent classroom setting. A special focus will be placed on meeting the needs of the diverse learners found in today's schools. A field experience component is required in a local school setting.

EDTD 3221 - Adolescent English Pedagogy (3 Credit Hours)

Through this course students will demonstrate the abilities to analyze and apply models of instructional approaches, and learning assessment in the areas of literature, reading skills, writing skills, and language development. Students will develop skills necessary to plan instructional units and lessons that accommodate diverse learners. A field experience component is required in a local school setting.

EDTD 3231 - Adolescent Mathematics Pedagogy (3 Credit Hours)

This course focuses on the curriculum and evaluation standards of the National Council of Teachers of Mathematics (NCTM) and the Georgia Standards of Excellence (GSE). Emphasis is on problem-solving, measurement, computation, hypothesis posing, and hypothesis testing, and on algebraic and geometric analyses. Teaching and learning strategies are examined. A field experience component is required in a local school setting.

EDTD 3241 - Adolescent Social Science Pedagogy (3 Credit Hours)

This course will emphasize how the conceptual themes and modes of inquiry represented in the national social studies standards are to be applied when formulating instruction and assessment activities that are appropriate to adolescent students. Special emphasis will be placed on concept formulation, thematic problem solving, strategic learning, complex skill development, and performance assessment. A field experience component is required in a local school setting.

EDTD 4920 - Student Teaching and edTPA Remediation (3 Credit Hours)

Candidates who need further remediation in an identified area of student teaching and/or whose edTPA submissions do not meet the professional performance standard as specified by the state of Georgia will be provided additional support. Students who need to retake edTPA will receive support prior to and throughout the retake process. When possible, the candidate will remain in the originally assigned classroom, but this will require permission and support from the clinical teacher and university supervisor. *May be repeated for credit up to 1 time.*

EDTD 4940 - Foundations of Reading Seminar (2 Credit Hours)

Provides a scientifically based foundation in the cognitive, sociocultural, linguistic, and motivational influences on reading. Concepts of word recognition, phonology, phonics, morphology, fluency, vocabulary, and comprehension are presented. Connections to written expression, discourse writing, assessment, content area/disciplinary literacy and special populations in varied contexts are explored. A minimum score is required to pass this course.

Prerequisite(s): Admission to teacher education.; Corequisite(s):

ELED 4491 or SPED 4491 or MGED 4210 or SCED 4901 or MUSI 4492

EDTD 4950 - Selected Topics (1 to 6 Credit Hours)

A variable content course intended to meet the needs and interests of undergraduate students in selected areas of education. Prerequisite(s): Permission of department chair. *May be repeated for credit.*

EDTD 5101 - Secondary School Curriculum Design (3 Credit Hours)

This course is designed to introduce MAT teacher candidates to educational research and learning theory relevant to adolescents. Teacher candidates will study the characteristics of secondary school learners and the principles of educational psychology that inform our understanding of these learners. This course will examine that population in terms of multiculturalism and special needs; it will explore the implications of these learner characteristics for curriculum, instruction, assessment, and management.

EDTD 5102 - Secondary School Curriculum Theory (3 Credit Hours)

This course is designed to introduce teacher candidates to language bases derived from educational research, from state, national, and local curriculum standards, and from secondary school effective practices. This course will examine the secondary school curriculum in terms of the connections that exist among the subject area disciplines and in terms of the strategies that secondary school teachers and learners use (including models of teaching, critical thinking techniques, and approaches to content area

reading). This course will examine the secondary school in its historical and political context as well as in relation to pertinent philosophical issues. In addition, this course will examine multiple models of classroom management and their relationship to the learning environment of the classroom.

EDTD 5221 - Best Practices in Language Arts Education (3 Credit Hours)

This course focuses on helping teachers learn the basic development and integration of skills in the areas of reading, writing, listening, and speaking as well as how to effectively implement these skills in the classroom. Topics such as spelling, grammar, speaking and writing process are also addressed along with practice in informal, formal, and authentic assessment. A 25-hour field experience in P-12 is required for this course.

EDTD 5222 - Best Practices in Language Arts Education for Middle/Secondary (3 Credit Hours)

This course focuses on helping middle school and secondary teachers learn the basic development and integration of skills in the areas of reading, writing, listening, and speaking as well as how to effectively implement these skills in the classroom. Topics such as spelling, grammar, speaking and writing process are also addressed along with practice in informal, formal, and authentic assessment. A 25-hour field experience in P-12 is required for this course.

EDTD 5225 - Reading and Writing Across the Curriculum (3 Credit Hours)

Designed for candidates seeking initial certification who wish to improve their students' ability to read, write about, and comprehend subject area materials. Teacher candidates will develop strategies to engage students effectively in reading and writing across content areas. Candidates will develop approaches that emphasize reading and writing as a means to learn. Candidates will also develop strategies to enable students to deal with reading deficiencies and other challenges students may face as reader and writers.

EDTD 5231 - Best Practices in Social Science Education (3 Credit Hours)

In this course students will examine three models of inquiry centered social science instruction: historical investigations, simulation problem solving with decision tree strategies, and hypothesis testing. All three models emphasize the development of conceptual understanding and the integral use of complex thinking skills in learning subject matter. Students will examine adaptations of these models to learners of varied ages and developmental characteristics. A 25-hour field experience in P-12 is required for this course.

EDTD 5232 - Best Practices in Social Science Education for Middle/Secondary Teachers (3 Credit Hours)

This course is designed for middle/secondary teachers. In this course students will examine three models of inquiry centered social science instruction: historical investigations, simulation problem solving with decision tree strategies, and hypothesis testing. All three models emphasize the development of conceptual understanding and the integral use of complex thinking skills in learning subject matter. Students will examine adaptations of these models to learners of varied ages and developmental characteristics. A 25-hour field experience in P-12 is required for this course.

EDTD 5241 - Best Practices in Mathematics Education (3 Credit Hours)

The course examines best practices in mathematics education and theory and research, which supports such practices. These best "practices" are drawn from the literature and actual classroom practice. A 25-hour field experience in P-12 is required for this course.

EDTD 5242 - Best Practices in Mathematics Education for Middle/Secondary Teachers (3 Credit Hours)

This course is for middle grades and secondary teachers. The course examines best practices in mathematics education and theory and research, which supports such practices. These best "practices" are drawn from the literature and actual classroom practice. A 25-hour field experience in P-12 is required

for this course.

EDTD 5251 - Best Practices in Science Education (3 Credit Hours)

Those in this course will study the application of current research in science and design lessons in order to apply the research to their classroom. Included in this course will be authentic assessment practices such as hands-on practicums and research projects appropriate to K-12 classrooms. Also included will be action research techniques and appropriate dissemination of the results. A 25-hour field experience in P-12 is required for this course.

EDTD 5252 - Best Practices in Science Education for Middle/Secondary Teachers (3 Credit Hours)

This course is designed for middle/secondary teachers. Those in this course will study the application of current research in science and design lessons in order to apply the research to their classroom. Included in this course will be authentic assessment practices such as hands-on practicums and research projects appropriate to K-12 classrooms. Also included will be action research techniques and appropriate dissemination of the results. A 25-hour field experience in P-12 is required for this course.

EDTD 5274 - Introduction to Literacy (3 Credit Hours)

This course is designed for beginning teachers to develop the skills to teach fluency, vocabulary, comprehension, phonemic awareness, and phonics. It will focus on the best practices supported by research in these fields and will emphasize how the teacher can set up a classroom that fosters literacy learning for students in grades P-5. A 25-hour field experience in P-12 is required for this course.

EDTD 5275 - Introduction to Literacy Assessment (3 Credit Hours)

Examines reading and writing difficulties encountered in the classroom. Emphasizes diagnostic/prescriptive teaching through experience with informal diagnostic assessment tools. Students then use results of these assessments to design and implement instructional interventions for children experiencing difficulties with reading and writing. Special emphasis is placed on incorporating family literacy. A 25-hour field experience in P-12 is required for this course

Prerequisite(s): EDTD 5274

EDTD 5364 - Planning for Instruction (3 Credit Hours)

This course is designed to prepare pre-service teachers to plan lessons and units of study that are aligned with standards and learning objectives. Emphasis is placed on selecting instructional strategies that incorporate student-centered methodology.

EDTD 5381 - Assessment and Differentiation (3 Credit Hours)

This course is designed to examine trends and proven practices in educational assessment. Participants will evaluate a variety of approaches to assessment of student achievement. Emphasis will be placed on using formative assessment data to make decisions about differentiation. A 25-hour field experience in P-12 is required for this course.

EDTD 5411 - Understanding and Teaching Early Adolescents (3 Credit Hours)

This course is designed to enable teacher candidates to analyze and examine the nature of the middle grades student. The developmental needs and characteristics of students as adolescents and as individuals will be studied. Instructional strategies designed to meet the unique needs of middle grades students will be addressed. A 25-hour field experience in P-12 is required for this course.

EDTD 5412 - Theory Into Practice in Middle Grades (3 Credit Hours)

This course is designed to familiarize students with the research base, which undergirds students-centered pedagogy, and student driven curriculum in the middle grades. Current trends and issues related to middle grades education will further be examined in light of middle school theory. An examination of the research and theory related to instruction designed specially for young adolescents will lead to the development of strategic plans for teachers to use this research within their own classrooms, schools

districts and state. A 25-hour field experience in P-12 is required for this course.

EDTD 5432 - Teaching for Equity and Diversity (3 Credit Hours)

This course engages candidates in developing a sound understanding of the different types of diversity that exist in schools and larger communities. Candidates examine how the different cultural backgrounds of P-12 students intersect with teaching and learning practices.

EDTD 5491 - Classroom Management Techniques and Strategies (3 Credit Hours)

Designed specifically for pre-service teachers who are preparing to work in P-12 classrooms. The primary focus is upon the theory, research, concepts, and skills needed to design, implement, and evaluate classroom management plans and strategies. A 25-hour field experience in P-12 is required for this course.

EDTD 5910 - MAT Culminating Residency (4 Credit Hours)

An intensive practicum course designed for graduate candidates who are seeking teacher certification. A mentor teacher and university faculty member works with the candidate to support the culminating residency. Candidates are supervised as they plan, reflect, and refine their teaching practice. Successful completion of at least 33 credit hours of program requirements coursework is required.

Corequisite(s): EDTD 5940

Additional Course Fee: Student Teaching Fee - \$200 Flat Fee

EDTD 5920 - Student Teaching and edTPA Remediation (3 Credit Hours)

Candidates who need further remediation in an identified area of student teaching and/or whose edTPA submissions do not meet the professional performance standard as specified by the state of Georgia will be provided additional support. Students who need to retake edTPA will receive support prior to and throughout the retake process. When possible, the candidate will remain in the originally assigned classroom, but this will require permission and support from the clinical teacher and university supervisor. *May be repeated for credit up to 1 time.*

EDTD 5940 - Foundations of Reading Seminar (2 Credit Hours)

Provides a scientifically based foundation in the cognitive, sociocultural, linguistic, and motivational influences on reading. Concepts of word recognition, phonology, phonics, morphology, fluency, vocabulary, and comprehension are presented. Connections to written expression, discourse writing, assessment, content area/disciplinary literacy and special populations in varied contexts are explored. A minimum score is required to pass this course.

Corequisite(s): EDTD 5910 or SPED 5013

EDTD 6001 - Theory into Practice I (2 Credit Hours)

The purpose of this course is to expose practicing teachers to various types of current educational research, critical analysis of research evidence, reflective practices, and concept application.

EDTD 6002 - Theory into Practice II (1 Credit Hour)

This course is taken in the final semester of the M.Ed. in Instruction program and is intended to guide the student through active reflection of concepts learned throughout the program with consideration given to application in the classroom. The student submits the final key assessment for the program.

EDTD 6003 - Induction Practicum (1 to 6 Credit Hours)

Effective teacher Induction programs have an impact on teacher effectiveness, teacher retention and teacher leadership, all of which will have an impact on student learning and growth. The purpose of this course is to provide high-quality and well-planned induction experiences to support induction-phased teachers. The course will provide high-quality professional learning that is regularly assessed using multiple sources of data such as self-assessment, observations, and documentation. *May be repeated for credit up to 2 times.*

EDTD 6011 - Instructional Technology Applications (3 Credit Hours)

This course will examine and evaluate seven basic technology strands as they relate to the instructional process: (1) curriculum integration, (2) productivity, (3) operating systems and networking, (4) telecommunications and on-line services, (5) distance learning-exploration, (6) multimedia/presentations, (7) desktop publishing. Students previously successfully completing EDTD 3011 or the equivalent test-out may not take EDTD 6011.

EDTD 6033 - Integrative STEM/STEAM Education: A Pedagogical Approach (3 Credit Hours)

EDTD 6033 will help students learn the definitions of STEM literacy and integrative STEM/STEAM (iSTEM/iSTEAM) education. Additionally, students will study strategies that support such an approach to teaching and learning. Strategies will include, but not be limited to, project-based learning, problem-based learning, place-based education and design-based learning. Thus, candidates will be prepared to demonstrate their understandings of STEM education as a transdisciplinary, collaborative endeavor through classroom and/or curricular applications (GA 505-3-1, 3 & 4).

EDTD 6044 - Integrative STEM/STEAM Education: Driving Forces (3 Credit Hours)

EDTD 6044 introduces the concepts of grand challenges, essential and driving questions, technology and engineering (T/E) based design thinking, artistic based design thinking, creative thinking, model-based reasoning, computational reasoning, complex systems thinking, quantitative reasoning, wonderment and awe in order to prepare candidates to use STEM and STEM related pedagogical practices to engage learners in the ways of thinking and habits of mind used in STEM and STEM related disciplines (GA 505-3-2 & 4).

Prerequisite(s): EDTD6033 >= C; Corequisite(s): EDTD6033

EDTD 6055 - Integrative STEM/STEAM Education: Clinical Experience (3 Credit Hours)

EDTD 6055 will provide candidates authentic experiences in STEM/STEAM related careers and design tasks in which to observe, practice, reflect upon and deepen understandings of integrative STEM/STEAM education in preparation for implementation.

Prerequisite(s): EDTD6033 >= C and EDTD6044 >= C

EDTD 6100 - Research in Content Area Instruction (3 Credit Hours)

Current research and initiatives concerning content area education. The philosophical underpinnings of a variety of curricular and instructional approaches will be examined. Results of these studies will be compared to the recommendations made in current research studies in various content area fields.

EDTD 6110 - Curriculum in Theory and Practice (3 Credit Hours)

This course explores the theoretical frameworks that inform various instructional models, historical and contemporary issues in curriculum development, and the nature and purpose of curriculum change. In addition, theoretical constructs and philosophical frameworks that undergird modern classroom instruction and assessment practices will be examined. Candidates in this course will apply curriculum theory and conceptual frameworks to design and develop content-specific curriculum. This course should be taken by the end of the second semester in the program.

EDTD 6120 - Basic Instruction in Literacy (3 Credit Hours)

This course advances teachers' knowledge and skills in the area of literacy through an in-depth study of ways in which components of reading build, intersect, and apply to K-12 readers. Candidates will utilize this foundational knowledge as they implement culturally responsive literacy practices within authentic contexts. This is the first of three courses required for the reading endorsement.

EDTD 6131 - Research in Social Studies Education (3 Credit Hours)

This course will examine research in strategic learning and schema theory and the implications for social

science curriculum and instruction.

EDTD 6222 - Current Best Practices in Literacy (3 Credit Hours)

In this course theory and practice come together as students implement research-based practices for literacy instruction in schools and communities. These practices will include, but will not be limited to, the following: assessment and remediation, content-area reading, program planning at the classroom and school levels, and advocacy for literacy with all stakeholders.

Prerequisite(s): EDTD6120 >= C

EDTD 6223 - Applications of Effective Reading Strategies (3 Credit Hours)

In this course theory and practice come together as students implement research-based practices for literacy instruction in schools and communities. These practices will include, but will not be limited to, the following: assessment and remediation, content-area reading, program planning at the classroom and school levels, and advocacy for literacy with all stakeholders.

Prerequisite(s): EDTD6120 >= C and EDTD6222 >= C

EDTD 6224 - Literacy in the Content Areas (3 Credit Hours)

This course will address literacy strategies and skills in content areas/disciplines to enhance learning and student understanding. Emphasis is placed on research-based instructional strategies that facilitate cross-content literacy.

EDTD 6225 - Reading Across Curriculum (3 Credit Hours)

Designed for content area teachers (grades 4-12) who wish to improve their students' ability to read and comprehend subject area materials. Emphasis is placed upon teaching for understanding by taking advantage of the contributions of literacy processes (listening, speaking, thinking, and reading) to content area achievement. Topics include readability of texts; vocabulary development; trade books; strategies to improve reading in math, science, social studies, literature, physical and health education; study techniques; and assessment.

EDTD 6228 - Using Children's Literature in the Classroom (3 Credit Hours)

This course is designed to familiarize students with a variety of current literature for children and young adolescents. Students will design strategies for utilizing literature in the classroom as a basis for sound language arts instruction and as a means to integrate reading and literature throughout the curriculum and across various content areas. Issues of student motivation, meeting adolescent needs, reading instruction, response to literature, connections to writing and assessment will be addressed.

EDTD 6256 - Writing Theory (3 Credit Hours)

This course will examine general theories of writing instruction and composition. In addition, writing theory as it relates to classroom writing instruction will be addressed and the theories that undergird best instructional practices in writing will be explored in detail.

EDTD 6257 - Best Practice in Writing Instruction (3 Credit Hours)

This course will examine best practices in writing instruction. Strategies for teaching writing will be explored in depth. Cross curricular writing strategies will be addressed.

Prerequisite(s): EDTD6256

EDTD 6259 - Applications of Effective Writing Instruction (3 Credit Hours)

This course is the culminating component of the writing certificate. It will examine best writing practices in schools, implementation of these practices in classrooms, assessment in writing, and writing theory as it relates to practice. Educational theory and practice will come together to enable students to develop strategies and employ best writing practices.

Prerequisite(s): EDTD6258

EDTD 6276 - ESOL Methods, Materials, and Assessment in Content Classrooms (3 Credit Hours)

This course provides an understanding of research, theory, methods, assessments, and materials for teaching English to Speakers of Other Languages (ESOL) and first-hand experience working with ELLs in K-12 schools. This course is one of the three courses for the add-on ESOL endorsement for certified teachers. Prerequisite: Teaching Certificate

EDTD 6277 - Understanding Cultural Issues and Ethics in ESOL Education (3 Credit Hours)

This course explores how teachers and school communities can effectively provide and support meaningful American school experiences of ESOL (English Speakers of Other Language) students and their families. This course is one of three courses for the add-on ESOL endorsement. Prerequisite: Teaching Certificate

EDTD 6362 - Advanced Instructional Strategies (3 Credit Hours)

This course is designed to familiarize and enable students to utilize research-based instructional strategies for the middle grades. Instructional strategies include project-based, placed-based, active, technological, inquiry, concept-based, and design based learning, among others. Research on instructional strategies that work will be translated into practice across content areas. Reflection and critical analysis will combine in order for teachers to apply these strategies within their own classrooms, schools, and districts.

EDTD 6363 - Social Interactive Models of Teaching (3 Credit Hours)

This course is designed to help teachers develop teaching/learning strategies and to integrate curriculum in their classrooms. Emphasis is placed upon helping teachers to adapt strategies, choose materials, and design units that integrate subject areas across a non-textbook based, student-centered curriculum.

EDTD 6381 - Assessment and Differentiation (3 Credit Hours)

This course examines the theoretical frameworks that inform assessment practices. Candidates will utilize data derived from a variety of diagnostic, formative, and summative assessments to plan, guide, inform, and differentiate instruction. This course is designed to examine current trends and proven practices in educational assessment. Participants will evaluate a variety of approaches recommended for both traditional and alternative approaches to assessment of student achievement.

EDTD 6410 - Applied Research in Curriculum and Instruction (3 Credit Hours)

Students analyze data and apply best practices to the development and implementation of improvement in curriculum and instruction. This is accomplished through investigating a significant question or issue related to teaching in Pre-K-12 schools.

EDTD 6416 - Advanced Instructional Technology (3 Credit Hours)

This course focuses on technology resources and integration strategies for several different content areas with special emphasis on incorporating the current trends toward thematic, interdisciplinary instruction. Students will dive deeply into the Internet as a tool for inquiry and develop web based activity units that will provide children with opportunities for seeking the information needed for authentic problem-solving projects.

Prerequisite(s): EDTD6011 >= B

EDTD 6432 - Diversity in Education (3 Credit Hours)

The course introduces the historical development and conceptualization of multicultural education. Based on the examination of the ways institutional oppression impacts the education system and teaching practice, students explore their values and identities as socially responsible, multicultural educators and elaborate on effective teaching practices to promote equity and diversity through content area teaching and nurturing culturally inclusive school environments.

EDTD 6461 - Critical Issues in Education (3 Credit Hours)

An introduction to education developments, opportunities, and challenges in the United States from both discipline-based and integrative approaches, including political, technological, and curricular trends. Students examine current initiatives and modern educational considerations pertaining to policy, structure, process, and student learning, exploring the theoretical foundations of the trends, as well as the pedagogical practices aligned with the trends.

EDTD 6471 - Issues in Early Childhood Education (3 Credit Hours)

Provides opportunities to explore political, technological, and curricular trends as they relate to early childhood education at the school, local, state, and national level. Students examine current initiatives and contemporary considerations pertaining to policy, structure, process, and student learning, exploring the theoretical foundations of the trends, as well as the pedagogical practices aligned with the trends.

EDTD 6481 - Enhancing Student Performance (3 Credit Hours)

The course will emphasize strategies for adapting curriculum, instruction, resources, and assessments in order to maximize learning. The course will provide educators with ways to identify, analyze, and use results from multiple assessments to plan instruction aimed at enhancing and demonstrating learning. The course will familiarize and enable students to utilize research –based instructional strategies for early childhood education.

EDTD 6491 - Advanced Instructional Management (3 Credit Hours)

This is an advanced course in effective classroom management for experienced K-12 educators. The primary focus is on using current learning theory and research to design, implement, and assess highly effective instructional management. This course will address the use of performance data to make decisions and adjustments to individualized classroom management for instructional improvement.

EDTD 6500 - Exploring P-12 Computer Science Standards and Curriculum (3 Credit Hours)

This is the first course in the Computer Science Endorsement. The course includes an introduction to the Georgia P-12 Computer Science Standards and exploration of resources for curriculum and instruction that align and support the use of the standards.

EDTD 6501 - P-12 Computer Science Education and Pedagogy I (3 Credit Hours)

This is the second course in the Georgia P-12 Computer Science Endorsement. The focus of the course is continued development of computer science content knowledge, design of instructional units, and ability to deliver computer science instruction.

Prerequisite(s): EDTD6500 >= C

EDTD 6502 - P-12 Computer Science Education and Pedagogy II (3 Credit Hours)

This is the final course in the Georgia P-12 Computer Science Endorsement. The focus of the course is continued development of computer science content knowledge, the design of semester plans, instructional units, and the ability to deliver computer science instruction.

Prerequisite(s): EDTD6501 >= C

EDTD 6610 - Foundations of Effective PBIS (3 Credit Hours)

Intended to provide educators with a deep and broad knowledge of content, pedagogy, and implementation related to Positive Behavioral Interventions and Supports (PBIS). The course will prepare educators to effectively integrate PBIS into their own classroom management practices. This course will focus on the foundations of research based effective management practices such as building strong teacher/student relationships, strategies to creating an effective positive learning environment, and proactive management strategies.

EDTD 6620 - Improving PBIS in the Classroom (3 Credit Hours)

EDTD 6620 Is intended to provide educators with a deep and broad knowledge of the methodology

involved in collecting, reviewing, and decision making using various school data platforms related to Positive Behavioral Interventions and Supports (PBIS). The course will focus on PBIS at the classroom level and prepare educators to effectively integrate PBIS into their own classroom instructional practices.

EDTD 6630 - PBIS Multi-Tiered Systems and Clinical Practice (3 Credit Hours)

This course will focus on the implementation of a multi-tiered system of supports at the classroom and school wide levels in Positive Behavioral Interventions and Supports (PBIS). Candidates will implement, evaluate and plan for improvement PBIS in their classroom setting.

EDTD 6905 - Seminar in Field Studies (1 to 6 Credit Hours)

This course is designed to be an intensive review of classroom management strategies, professional responsibilities, time management, instructional strategies, and MAT portfolio requirements. This course is designed to meet the individual needs of the student and correct deficiencies noted during the Practicum experience. An extended field experience will also be required during this courses. The number of hours will be determined by the Instructor. Prerequisite(s): Permission of Instructor.

EDTD 6950 - Current Trends and Issues (1 to 6 Credit Hours)

A variable content course intended to meet the needs and interests of graduate students in selected areas of education. Prerequisite(s): Permission of department chair. *May be repeated for credit.*

EDTD 7160 - Curriculum Design and Program Assessment (3 Credit Hours)

This course will examine and analyze the following core elements of curriculum design: conceptual purpose, content, coherence, articulation within a subject area across grade levels, and across subjects, alignment with both achievement standards and achievement assessments. Program assessment will be examined with particular attention to how it differs from but is relevant to student performance assessment.

EDTD 7162 - Advanced Topics in English Education (3 Credit Hours)

This course will examine current research, practices, and issues in language arts/english education as delineated in journal readings, conference proceedings, and other relevant sources. Students will synthesize these findings and will determine implications for curriculum and instruction in language arts. Prerequisite(s): Admission to the Ed.S. program or permission of the instructor.

EDTD 7163 - Advanced Topics in Social Science Education (3 Credit Hours)

This course will examine current research, practices, and issues in social science education as delineated in journal readings, conference proceedings, and other relevant sources. Students will synthesize these findings and will determine implications for curriculum and instruction in social science. Prerequisite(s): Admission to the Ed.S. program or permission of the instructor.

EDTD 7164 - Advanced Topics in Science Education (3 Credit Hours)

This course will examine current research, practices, and issues in science education as delineated in journal readings, conference proceedings, and other relevant sources. Students will synthesize these findings and will determine implications for curriculum and instruction in the natural sciences. Prerequisite(s): Admission to the Ed.S. program or permission of the instructor.

EDTD 7165 - Advanced Topics in Mathematics Education (3 Credit Hours)

This course will examine current research, practices, and issues in mathematics education as delineated in journal readings, conference proceedings, and other relevant sources. Students will synthesize these findings and will determine implications for curriculum and instruction in mathematics. Prerequisite(s): Admission to the Ed.S. program or permission of the instructor.

EDTD 7210 - Issues and Trends In Middle Grades Education (3 Credit Hours)

This course examines current issues and trends related to middle grades education, including issues of school reform, implementing best practices, assessment, accountability, and teaming and collaborating

with parents and other members of the school community.

EDTD 7221 - Authentic Literacy Assessment (3 Credit Hours)

This course is designed to teach educators how to assess what goes on in classrooms where reading and writing for real purposes is the norm. It will involve study of the evolution of literacy assessment from standardized tests to informal tests to criterion-referenced tests and authentic assessment.

EDTD 7222 - Engaging Students in Literacy (3 Credit Hours)

This course will concentrate on interpreting available research on motivation to read. In addition, finding and using motivational materials that are also instructionally sound will be studied.

EDTD 7364 - Impacting Instruction (3 Credit Hours)

This course will focus on a variety of instructional techniques and strategies to promote content knowledge acquisition, conceptual knowledge acquisition, skill based knowledge and critical thinking. The practicality and applicability of various instructional strategies will also be addressed.

EDTD 7909 - Thesis I (1 to 3 Credit Hours)

Students will carry out empirical research that represents the application of theory, the extension of research, or the development of creative approaches to aspects of teaching and learning. Students will describe in a thesis the results of their research. *May be repeated for credit.*

Prerequisite(s): EDUC7021 >= C

EDTD 7910 - Thesis II (3 Credit Hours)

This course is a continuation of EDTD 7909. Students will carry out empirical research that represents the application of theory, the extension of research, or the development of creative approaches to aspects of teaching and learning. Students will describe in a thesis the results of their research, and will orally defend the thesis.

Prerequisite(s): EDTD7909 >= C

EDTD 7950 - Advanced Topics in Content Area Instruction (1 to 6 Credit Hours)

A variable content course intended to meet the needs and interests of graduate students in selected areas of education. *May be repeated for credit up to 98 times.*

EDUCATION (EDUC)

EDUC 2110 - Investigating Critical and Contemporary Issues in Education (3 Credit Hours)

The course is designed to engage students in observations, interactions, and analyses of critical and contemporary issues in education. Students will investigate issues influencing the social and political contexts of education settings in Georgia and the United States. Students will actively examine the teaching profession from multiple perspectives both within and outside the school. Students will also interpret the meaning of education and schooling in a diverse culture along with the moral and ethical responsibilities of teaching in a democracy. There will be a 10-hour field component to this course.

EDUC 2120 - Exploring Social-Cultural Perspectives on Diversity (3 Credit Hours)

The course is designed to provide future educators with the fundamental knowledge of understanding cultures and teaching children from diverse backgrounds. Specifically, this course is designed to examine 1) the nature and function of culture; 2) the development of individual and group cultural identity; 3) definitions and implications of diversity; and, 4) the influences of culture on learning, development and pedagogy. There will be a 10-hour field component to this course.

EDUC 2130 - Exploring Learning and Teaching (3 Credit Hours)

The course is designed to explore some of the major theories of learning and teaching. Students will

examine their own learning processes and use them as a basis for exploring the learning processes of others. This course will also serve as a foundation for better understanding how to enhance the learning of all students across a variety of educational settings and contexts. There will be a 10-hour field component to this course.

EDUC 2900 - Literacy Tutoring and Mentoring Leadership (1 to 3 Credit Hours)

Introduction to literacy training in mentoring and tutoring. *May be repeated for credit.*

EDUC 5000 - College of Education Graduate Education Orientation (0 Credit Hours)

This non-credit orientation course gives students newly admitted to a graduate program in the College of Education access to startup-materials. The College of Education uses this course to provide critical information to new students and to distribute and collect important materials. *May be repeated for credit up to 4 times.*

EDUC 5020 - Theories of Learning (3 Credit Hours)

This course is designed to explore some of the major theories of learning and teaching, as well as theories of child development. Students will examine their own learning processes and use it as a basis for exploring the learning processes of others. This course will serve as a foundation to enhance the learning of all students across a variety of educational settings.

EDUC 6020 - Foundations of Education (3 Credit Hours)

This course is designed to help advanced students develop a connected array of perspectives on the development of educational thought including philosophical and historical perspectives; society's great expectations of the school; contemporary schooling patterns and the foundations of curriculum; pressing issues of finance, cultural diversity, accountability, and control of the schools; and a look at the future of American education.

EDUC 6021 - Introduction to Educational Research (3 Credit Hours)

Through this core research course students should understand basic concepts of educational research, including research design options. Students should understand data analysis protocols and should be able to perform various data analyses. Students will be able to interpret and evaluate published research.

EDUC 6030 - Qualitative Research in Education (3 Credit Hours)

The course will include an overview of the qualitative research process, its methods, goals and foundations. Students will then employ several of the strategies in a mini-action research project aimed at improved practice within their classrooms/schools.

EDUC 6040 - Tests and Measurement (3 Credit Hours)

This course is concerned with practical methods and procedures involved in the construction and evaluation of teacher-made tests and the interpretation of test scores, as well as with the considerations involved in the selection and use of standardized tests.

EDUC 6140 - Advanced Educational Psychology (3 Credit Hours)

This course involves the application of psychological theories of learning and scientific findings to learning activities of the classroom as well as to the more complex problems of the educational process. The main focuses are on the learner, the learning process, and the learning condition. In addition to examining the science of learning, the art of teaching will also be discussed.

EDUC 6271 - Introduction to Gifted Education (3 Credit Hours)

This course provides an examination of the nature of gifted children and youth having high potential in multiple areas. The course will include consideration of characteristics of gifted/talented/creative learners as reflected in historical and current content, theory, and research.

EDUC 6272 - Assessment of Gifted Learners (3 Credit Hours)

Addresses the selection and use of a variety of assessment procedures for identifying unique cognitive, social, and emotional needs of gifted/talented/creative learners.

Prerequisite(s): EDUC 6271

EDUC 6273 - Curriculum and Program Design for Gifted Learners (3 Credit Hours)

An investigation into a variety of gifted program delivery models and conceptual designs for providing qualitatively differentiated curricula for gifted/talented/creative learners.

Prerequisite(s): EDUC 6272

EDUC 6400 - Literacy in the Family and Community (3 Credit Hours)

This experiential, project- based learning course is designed to prepare graduate students to serve in a leadership/mentorship capacity by examining issues related to family and community literacy as well as locating and applying evidence-based practices in an actual hands-on community literacy initiative. *May be repeated for credit up to 2 times.*

EDUC 6950 - Selected Topics (1 to 3 Credit Hours)

This course examines problems in the light of recent knowledge and research in foundational education. The focus is on specifically designated areas of foundational education. *May be repeated for credit.*

EDUC 7001 - Education Specialist Seminar (3 Credit Hours)

The course involves developing skills of self-analysis, goal setting and building fundamental communication and leadership qualities. A personal/ interpersonal approach will be used to examine themes related to developing leadership/change agent skills. Themes addressed include the change process, leadership, collaboration, and context issues.

EDUC 7002 - Education Specialist Seminar II (3 Credit Hours)

School will be examined as a political institution within various contexts and constraints which affect leaders in the school community. Themes will include the change process, leadership, collaboration, context and policy issues. Prerequisite(s): EDUC 7001.

EDUC 7003 - Education Specialist Seminar III (3 Credit Hours)

Students will work with their "mentor leader" to apply knowledge and skills gained within their own role and workplace. These experiences will allow students to further develop, directly apply, and demonstrate their knowledge and skills related to leadership. Prerequisite(s): EDUC 7001 and EDUC 7002.

EDUC 7004 - Philosophy of Education (3 Credit Hours)

The content of this course includes descriptions of the following branches of philosophy: epistemology, metaphysics, ethics, and aesthetics. The focus is on philosophical concepts and questions which have special relevance to education in the 21st century.

EDUC 7005 - History of American Education (3 Credit Hours)

The course is intended for graduate level students interested in the area of historical foundations of education in the M.Ed. and Ed.S. programs. The intellectual examination of the content is education-specific history.

EDUC 7006 - Comparative Education (3 Credit Hours)

This course is an in-depth study of representative school systems in the world. Particular attention is given to the role of education in economic development; governance and structure. Additional issues will include race, gender, and ethnicity.

EDUC 7007 - Critical Cultural Studies In Education (3 Credit Hours)

To enhance their ability to meet the needs of diverse students, this course introduces the historical and sociocultural forces that shape contemporary education in the United States. Situated within the context

of the U.S.'s increasingly globalized political and economic systems, the course facilitates students' analysis of the changing social contexts within which educational policy and practice operate by exploring theories, empirical research, and policies most relevant to educators, students, and families.

EDUC 7010 - Critical Issues in Urban Education Policy and Practice (3 Credit Hours)

This course introduces the historical and sociocultural forces that shape contemporary US urban educational structures. Within an increasingly globalized political and economic system, this course will examine theories, empirical research, and policy documents relevant to the cultural, social, legal, and political issues surrounding urban educators, students, and families in the United States.

EDUC 7011 - Youth Identities in Urban School Contexts (3 Credit Hours)

This course is part of the sequence that comprise the Urban Education Endorsement. In this course we will examine youth identities and cultures that youth participate in and belong to in urban environments, including their race, class, gender, sexuality, ability, national origin, and linguistic communities, as well as the youth cultures that young people create. While we deepen our understanding of youth identities, we will necessarily examine the identities and cultures of adults in relation to these students: teacher and community member identities in the institutions and neighborhoods where the students live and study.

EDUC 7012 - Critical Praxis in Urban Educational Contexts (3 Credit Hours)

This course is part of the sequence that comprises the Urban Education Endorsement. In this course we will study culturally relevant, responsive, and sustaining curricula and pedagogy and what it means to nurture healthy, effective relationships with families, students, and communities. We will also study ourselves in order to identify and unearth potential obstacles to designing and implementing curricula and pedagogy of these types and building and maintaining these relationships.

EDUC 7013 - Critical Media Literacy and Education (3 Credit Hours)

An overview of Critical Media Literacy with particular attention to education and the role media plays in an informed democratic citizenry, relating specifically for teaching and classroom contexts. The goal of critical media literacy is to engage with media through critically examining representations, systems, structures, ideologies, and power dynamics that shape and reproduce culture and society. It is an inquiry-based process for analyzing and creating media by interrogating the relationships between power and knowledge. Topics include: Informal Fallacies, Objectivity and News, "Truth," Power, Intersectionality, Social Media, and popular media. The course also examines how other countries, particularly Finland, have incorporated Media Literacy Education into their public schooling system.

EDUC 7014 - Environment, Culture, and Education (3 Credit Hours)

Examines the interconnected and interdisciplinary relationships between the environment and culture with an explicit connection to the role education plays, and ought to play, in teaching and organizing toward sustainable and socially just communities. Grounded in Cultural Studies and Social Foundations of Education, this course examines a variety of topics, including but not limited to: anthropocentrism, power hierarchies, racism, sexism, class, Indigenous Knowledge, colonialism and imperialism, democratic and sustainable Communities, globalization, food sovereignty, land based pedagogy, eco-pedagogies, and Multispecies Justice Education.

EDUC 7017 - Writing and Presenting Qualitative Research (3 Credit Hours)

This course equips students with essential skills and strategies for writing high-quality research articles suitable for publication in academic and practitioner journals. Emphasizing the theoretical and practical aspects of research writing, the course guides students through the entire writing, revising, and publishing process. Students revise and expand coursework (final papers, research projects, lesson plans, etc.) completed in previous Ed.S. courses to prepare for submission to a journal and conference. Potential journals and conferences include both practitioner-focused and research-focused journals.

Prerequisite(s): EDUC 7021

EDUC 7018 - Sex Education for Teachers (3 Credit Hours)

For teachers in all grades and all subject areas, this course introduces students to child and adolescent development theories, the role of sexuality and gender identity development for youth, current youth conversations about sexuality and gender identities, and how to include this content in curriculum. The content supports teachers in fielding student questions about sexuality and gender and creating inclusive classrooms for students of all sexual and gender identities, and supporting a variety of family structures including LGBTQ+ parents.

EDUC 7021 - Educational Research (3 Credit Hours)

This course explores the interface of research and practice in educational contexts. Students receive an introduction to research terminology, design, and methodology. Additionally, students learn how to utilize, interpret, evaluate, and leverage current educational research to problem-solve, inform practice, and improve issues within their own professional settings.

EDUC 9999 - Noninstitutional Course (0 Credit Hours)

ELEMENTARY EDUCATION (ELED)
ELED 3151 - Elementary Curriculum (3 Credit Hours)

Students will be expected to demonstrate knowledge of theory and practices necessary to plan and implement curriculum for individual children and groups; to systematically develop and conduct assessments of individual children; and to engage in reflection about their practices.

ELED 3161 - Classroom Management for Learning (3 Credit Hours)

Management and family involvement fosters the attitudes, skills, and knowledge necessary for the effective management of productive learning environments. Issues such as management of students' behavior, classroom procedures, and classroom organization, situated within and related to the larger framework of successful planning and conduct of instruction, are addressed.

ELED 3212 - Literacy I: Basic Literacy for Elementary Education (3 Credit Hours)

This course is designed to help beginning elementary education teachers learn how to teach reading, writing, oral language development, and listening in their classrooms. It will focus on the best practice supported by research in these fields and will emphasize how the teacher can set up a classroom that fosters literacy learning for students aged 5-12.

ELED 3231 - Elementary Science Education (3 Credit Hours)

This course will engage prospective teachers in active learning that will address issues, events, problems, and process skills in science in grades Pre-K through five. The students will be expected to integrate knowledge of science, learning, and pedagogy and apply that knowledge to science teaching.

ELED 3241 - Elementary Social Studies Education (3 Credit Hours)

This course is designed for students to develop an understanding of the disciplines in Social Studies with an emphasis on history, civics and government, geography, and economics concepts appropriate for the elementary grades. Emphasis will be placed on active learning, critical thinking, and developmentally appropriate practices.

ELED 3252 - Language Arts Curriculum (3 Credit Hours)

The development of listening, speaking, and writing skills of children along with effective uses of language in oral/written communication are stressed.

ELED 3271 - Using Children's Literature to Teach Reading (3 Credit Hours)

The theoretical and practical aspects of literacy will be presented with particular emphasis on teaching literacy to diverse populations. In addition, the role of family and community involvement and the use of

technology for literacy development will be stressed. Instructional approaches and materials for teaching literacy will be an integral component of the class.

ELED 4313 - Literacy II: Advanced Literacy Instruction for Elementary Education (3 Credit Hours)

This course will examine reading and writing difficulties encountered in the classroom. It will emphasize diagnostic/prescriptive teaching through experience with informal diagnostic assessment tools. Students will then use results of these assessments to design and implement instructional interventions for children experiencing difficulties with reading and writing.

ELED 4322 - Elementary Mathematics Education (3 Credit Hours)

This course will focus on mathematics as a conceptual approach enabling children to acquire clear and stable concepts by constructing meanings in the context of physical situations and allows mathematical abstractions to emerge from empirical experiences. The students will be expected to integrate knowledge of mathematics, learning, pedagogy, students and assessment, and apply that knowledge to teaching mathematics in grades Pre-K through five in the context of the recommendations of the National Council of Teachers of Mathematics (NCTM) and the Georgia Performance Standards (GPS).

ELED 4332 - STEAM Education (3 Credit Hours)

ELED 4332 will help prepare preservice elementary teachers to plan and teach in an integrative manner. Students will learn the definitions of STEM/STEAM literacy and integrative STEM/STEAM education. Students will work collaboratively to design and build design-based lesson plans that give the learner explicit opportunities to apply standards-based knowledge and build enduring understandings in the context of engineering and/or art. Additionally, students will begin to participate in an active learning community of educators and STEAM professionals. Finally, students will demonstrate their own understandings of integrative STEM/STEAM education by completing a culminating design project.

ELED 4342 - Elementary Social Studies Education II (3 Credit Hours)

This course will develop an understanding of the national social studies standards. Special emphasis will be placed on instructional approaches that actively engage young learners in concept formulation, skill introduction and development, performance assessment.

ELED 4352 - Educational Assessment for Learning (3 Credit Hours)

This course prepares the elementary educator to develop appropriate assessments for students in grades Pre-K through five. Topics include but are not limited to formative and summative assessment strategies, assessment of learning vs. assessment for learning, interpreting and using standardized test results, and choosing appropriate assessment tools. Particular focus will be upon assessment results to make instructional decisions. Candidates will also practice communication of assessment results to students, parents, and other educators.

ELED 4381 - The Creative Arts (3 Credit Hours)

Designed to meet the unique needs of the elementary regular classroom teacher; this course, based on the arts infusion model, will emphasize aesthetic perception, creative expression, cultural heritage, and aesthetic valuing as reflected in the content areas of music, creative dramatics, movement and the visual arts.

ELED 4491 - Elementary Culminating Residency (13 Credit Hours)

Students are placed with selected master teachers for an entire semester during which they teach in the curriculum areas for which they are seeking certification. During the semester, the apprentice teacher, under the supervision of the master teacher, assumes the responsibilities of professional teaching practice. Students reflect on and synthesize the conceptual and theoretical constructs of pedagogy with the complexity of practice.

Corequisite(s): EDTD 4940

Additional Course Fee: Student Teaching Fee - \$200 Flat Fee

EMERGENCY MEDICINE (EMED)

EMED 5001 - Emergency Medicine Clerkship (12 Credit Hours)

This month rotation is structured to give the student an introduction to the specialty of emergency medicine. The rotation is designed to provide an opportunity for the student to gain experience in dealing with conditions routinely seen in the practice of emergency medicine. Clinical instruction in the initial evaluation and stabilization of the acutely ill and injured patient will be provided by working alongside emergency medicine faculty who are present 24 hours a day. The rotation provides ample clinical experience and patient contact. The schedule includes approximately 40 hours of patient contact a week and EMS experience. There is assigned reading and a final exam. Students will rotate at one of several sites, including MCG, Ft. Gordon, Aiken, and Tifton.

EMED 5002 - Emergency Medicine Externship (4 to 8 Credit Hours)

Students will serve as a sub-intern in the emergency department seeing patients primarily and staffing with an attending physician. The student assumes the primary medical care responsibilities for patients in the emergency department and is supervised by emergency medicine faculty. The sub-intern will work independent of EM resident input, working with specified EM faculty over the Sub-I month. Students will present a lecture to the residency class during the grand rounds. Students will rotate on a local ambulance service for two shifts.

Prerequisite(s): EMED 5001

EMED 5004 - Research in Emergency Medicine (4 to 8 Credit Hours)

Prerequisite: Approval by faculty member with whom research will be done. Opportunity to participate in research projects in conjunction with members of the faculty of the Department of Emergency Medicine. Arrangements to be made by the student with a member of the faculty. Students will be required to submit a summary of their research findings in abstract form to receive credit for the elective. If the duration of the work is more than one month, students only receive credit for a one month elective.

EMED 5005 - Emergency Medicine Externship Off-Campus (4 to 8 Credit Hours)

This special off-campus rotation will be arranged by the student with an off-site hospital which accepts off-campus students for an emergency medicine rotation. The rotation will include nine hours of patient contact in addition to didactic sessions offered by the site. Teaching materials will be provided by the chosen faculty and an examination at the end of the rotation may be required depending on the selected site. *May be repeated for credit up to 3 times.*

Prerequisite(s): EMED 5001 or EMED 5002

EMED 5007 - International and Travel Medicine (4 to 8 Credit Hours)

Prerequisite: Successful completion of third year of medical school

This will be a supervised clinical experience with students engaging in patient care under the direct supervision of faculty trained and familiar with travel medicine, clinical tropical medicine, and medicine in the developing world.

EMED 5008 - Emergency Ultrasound (4 to 8 Credit Hours)

Prerequisites: EMED 5001 1) Familiarization of the principles of Emergency US 2) Demonstration of the clinical utility of EUS 3) Learn the basic principles and physics of sonography 4) Introduction to the basic emergency ultrasound exams.

EMED 5010 - Emergency Medicine Clerkship for Visiting Civilian Students (4 to 8 Credit Hours)

The goals of the course are to attain an overview of the specialty of emergency medicine and gain insight into the assessment and management of emergent patients.

EMED 5011 - Emergency Medicine Clerkship for Military Applicants (4 to 8 Credit Hours)

The goals of the course are to attain an overview of the specialty of emergency medicine and gain insight into the assessment and management of emergent patients.

EMED 5013 - Rural Emergency Medicine (4 to 8 Credit Hours)

The rotation will provide ample clinical experience, patient contact, and procedures. The schedule includes approximately 34-36 hours of patient care contact per week. Students will spend at least one session with a triage nurse in the ED. Students will ride one shift with EMS and one with paramedics during this rotation. Clinical instruction in the initial evaluation and stabilization of the acutely ill and injured patient will be provided by working alongside emergency medicine faculty who are present 24 hours a day. Students will work a variety of shifts including days, evenings and nights, including some weekends, comprising a total of 15 nine-hour shifts.

EMED 5014 - Emergency Medicine Services (EMS) Elective for Medical Students (4 to 8 Credit Hours)

M3 or M4 students will observe, assist, and learn from EMS personnel who respond to 911 calls.

EMED 5016 - Transition to Residency Elective (4 to 8 Credit Hours)

The intention of this course is to serve as a preparation for residency. Participants will review topics covering clinical and procedural knowledge and skills as well as review ethical principles, personal wellness recommendations, and financial proficiency. Clinical and procedural review will encompass such topics as high-yield pharmacology, reading an EKG, reading a CXR, performing basic procedures, basic ultrasound, etc. Students will participate in simulations to prepare them for emergent situations they are likely to encounter as interns. They will also be introduced to skills that will be required of them as interns, including returning pages, handling cross-cover emergencies, managing team dynamics, dealing with medical error, handling patient deaths, and recognizing and intervening when biased care is experienced. Additionally, participants will discuss increasing self-awareness and develop skills to maintain personal wellness during residency.

EMED 5018 - Emergency Medicine Medical Simulation (4 to 8 Credit Hours)

The intention of this course is to allow students to gain a better understanding of the capabilities and limitations of simulation in healthcare education. During this elective, students will become familiar with simulation equipment such as high-fidelity mannequins, procedural task trainers, ultrasound machines, and ultrasound phantoms. Students will be involved in simulation case creation, simulation and procedural session setup, controlling the high-fidelity mannequins during simulations, and debriefing sessions.

EMED 5019 - Imaging in Clinical Emergency Medicine Elective (4 to 8 Credit Hours)

In this course, students will learn to identify and correlate anatomical structure with radiographic images; demonstrate basic interpretation skills in evaluating images of the human body; recognize the most frequent imaging manifestations of common diseases in multi-modalities; define terms commonly used in radiology reports; describe the basic principles of radiation exposure and radiation risk exposure; compare and contrast the benefits and limitations of different radiologic modalities; and use the ACR appropriateness criteria to select appropriate radiographic diagnostic studies based on a patient presentation. For each imaging test, students will identify what is being imaged, how the results are interpreted, how accurate are these results, how safe are these tests, and when and in whom these tests should or should not be used. During this course the student will complete Aquifer Radiology's 19 interactive virtual patient cases, learn to recognize each of the conditions in the American College of Radiology's Diagnostic Short List for medical students, and complete assigned patient care scenario assignments.

EMED 5085 - Phase I Elective: Freshman Elective in Emergency Medicine (1 Credit Hour)

Prerequisite: None. Students will shadow a senior student or emergency medicine resident in the initial assessment and management of undifferentiated patients. There will be interaction with the attending physician on all patients. Activities will be entirely clinical.

EMED 5086 - Phase I Elective: Introduction to Wilderness Medicine (1 Credit Hour)

Weekly seminars will be conducted by the emergency medicine physicians on a wide variety of topics encompassed by the expanse of wilderness medicine. Subjects covered will include envenomations, altitude illness, heat and cold injuries, water purification, traveler's diarrhea, and dive medicine, etc. Subjects covered can be tailored to group interest and experience.

EMED 5089 - Wilderness Medicine Elective (1 Credit Hour)

Students will demonstrate proficiency in developing, directing, and instituting CME wilderness medicine course (WM). Students will demonstrate knowledge of wilderness medicine skills by developing and directing case simulations. Students will demonstrate knowledge of wilderness search and rescue, safety and medical plan development and implementation for WM course of approximately 200 participants.

EMED 5091 - Emergency Medical Services (EMS) and Disaster Medicine (1 Credit Hour)

A two-hour interactive course that includes lecture, seminar, hands on education on EMS, and disaster medicine. This course offers an introduction to out-of-hospital management of EMS and disaster care to include: fire and air EMS response, critical prehospital emergency conditions, tactical medicine, disaster and mass gathering support and management. EMS is a medical subspecialty that involves prehospital emergency patient care, including initial patient stabilization, treatment, and transport in specially equipped ambulances or helicopters to hospitals. The purpose of EMS subspecialty certification is to standardize physician training and qualifications for EMS practice, improve patient safety, and enhance the quality of emergency medical care provided to patients in the prehospital environment, and facilitate further integration of pre-hospital patient treatment into the continuum of patient care.

EMED 5092 - Introduction to Emergency Ultrasound and Emergency Procedures (1 Credit Hour)

Develop a foundation with emergency point-of-care ultrasound, learning image acquisition and image interpretation of the liver, heart, gall bladder, soft tissue structure as well as US guided procedures. Learn and practice common ER procedures (airway protection, line placement, suturing, and splinting).

EMED 5093 - Adventures in Global Health- A Virtual Medical Trip (1 Credit Hour)

Over the course of nine weeks, students will be led on a virtual medical trip by several faculty members with extensive experience leading medical teams in the developing world. Students will help plan and execute a simulated medical outreach trip in an area of need. Topics will range from travel preparation to dealing with on the ground emergencies, and the challenge of patient care in resource limited settings. Sessions will be interactive and focused on group discussion with minimal time spent on didactic lectures. Hands on activities are also planned such as setting up and running a mobile laboratory.

EMED 5999 - Emergency Medicine Clerkship Remediation (1 Credit Hour)

Emergency Medicine Clerkship Remediation

ENDODONTICS (ENDO)

ENDO 5411 - Fundamentals of Endodontics (4 Credit Hours)

This course will introduce the student to the field of endodontics through lecture sessions and laboratory projects. At the conclusion of the course, the student shall be competent in the performance of endodontic procedures on extracted teeth. The student then will be scheduled in the Endodontic Block Clinic for

endodontic treatment on extracted teeth mounted in the endodontic dentiform (endodontic simulations). There are 30 sessions that include: 15 hours of lecture, 12 four hour sessions of lab, two four hour laboratory practical examinations, and one two hour final written examination. The purpose of the course is to introduce the student to endodontic biology, pathosis, diagnosis, and treatment. *May be repeated for credit up to 2 times.*

ENDO 5602 - Endodontic Seminar (1 Credit Hour)

Seminars cover such topics as alternative endodontic techniques, endodontic surgery, rationale for case referral, and endodontic diagnosis. Students are also introduced to the endodontic literature with assignments of written reports of articles in the Journal of Endodontics.

ENDO 5701 - Endodontic Seminar (0 to 1 Credit Hour)

This course consists of the successful completion of the following procedures: 1. Diagnostic testing exercise which includes performing endodontic diagnostic testing on a classmate. 2. Apex locator simulation practical seminar. 3. Simulated clinical procedures on five extracted teeth mounted in the endodontic dentiform.

Grade Mode: Satisfactory/Unsatisfactory, Normal (A, B, C, D, F)

ENDO 5702 - Endodontic Clinic (0 to 2 Credit Hours)

This course consists of the performance of endodontic procedures that are indicated for patients. Each case must be treatment planned to include the endodontic therapy as well as the definitive restoration.

ENDO 5792 - Endodontic Clinic II (1 Credit Hour)

This course consists of the performance of endodontic procedures that are indicated for patients. Each case must be treatment planned to include the endodontic therapy as well as the definitive restoration. *May be repeated for credit up to 2 times.*

ENDO 5893 - Endodontic Clinic III (1 Credit Hour)

This course consists of the performance of endodontic procedures that are indicated for patients. Each case must be treatment planned to include the endodontic therapy as well as the definitive restoration. *May be repeated for credit up to 2 times.*

ENDO 5903 - Honors Endodontics (1 Credit Hour)

This is an elective honors course that provides qualified students the opportunity to treat advanced and more challenging endodontic cases. The course consists of a four-hour seminar on a variety of advanced endodontic topics and the performances of endodontic procedures that are indicated for patients.

ENDODONTICS - RESIDENT (ENDR)

ENDR 7021 - Advanced Clinical Literature Seminar / Journal Club (10 Credit Hours)

The purpose of Journal Club and Advanced Clinical Literature Seminar is to increase the resident's ability to develop a scientific rationale for their clinical diagnosis and treatment and to be discriminative when reading the dental and medical literature. This activity will also enable the resident to gain experience with the different databases that are available at the campus library. Each resident will be required to survey all of the articles in assigned journals on a weekly basis and, in addition, pertinent articles on selected topics will be reviewed. *May be repeated for credit up to 2 times.*

ENDR 7025 - Case Presentation Seminar (10 Credit Hours)

The purpose of the Case Presentation Seminar is to increase the resident's ability to provide an oral presentation discussing the diagnosis and treatment of their cases and to develop a scientific rationale for their treatment. This course will also prepare the residents to complete their case portfolio in the American

Board of Endodontics (ABE) format. *May be repeated for credit up to 2 times.*

ENDR 7031 - Advanced Clinical Literature Seminar / Journal Club (10 Credit Hours)

The purpose of Journal Club and Advanced Clinical Literature Seminar is to increase the resident's ability to develop a scientific rationale for their clinical diagnosis and treatment and to be discriminative when reading the dental and medical literature. This activity will also enable the resident to gain experience with the different databases that are available at the campus library. Each resident will be required to survey all of the articles in assigned journals on a weekly basis and, in addition, pertinent articles on selected topics will be reviewed. *May be repeated for credit up to 2 times.*

ENDR 7035 - Case Presentations Seminar (9 Credit Hours)

The purpose of the Case Presentation Seminar is to increase the resident's ability to provide an oral presentation discussing the diagnosis and treatment of their cases and to develop a scientific rationale for their treatment. This course will also prepare the residents to complete their case portfolio in the American Board of Endodontics (ABE) format. *May be repeated for credit up to 2 times.*

ENDR 7040 - Endodontic Research I (4 Credit Hours)

Each resident will develop a research protocol and have an active role in conducting a research project. The research project will be compiled into a document and submitted for publication to a refereed journal. The resident will also typically submit an abstract of the research and present via oral or poster presentation at the annual session of the AAE. *May be repeated for credit up to 2 times.*

ENDR 7041 - Endodontic Research II (4 Credit Hours)

Each resident will develop a research protocol and have an active role in conducting a research project. The research project will be compiled into a document and submitted for publication to a refereed journal. The resident will also typically submit an abstract of the research and present via oral or poster presentation at the annual session of the AAE. *May be repeated for credit up to 2 times.*

ENDR 7120 - Clinical Endodontics I (21 Credit Hours)

ENDR 7130 - Clinical Endodontics II (23 Credit Hours)

ENDR 8021 - Advanced Clinical Literature Seminar / Journal Club (10 Credit Hours)

The purpose of Journal Club and Advanced Clinical Literature Seminar is to increase the resident's ability to develop a scientific rationale for their clinical diagnosis and treatment and to be discriminative when reading the dental and medical literature. This activity will also enable the resident to gain experience with the different databases that are available at the campus library. Each resident will be required to survey all of the articles in assigned journals on a weekly basis and, in addition, pertinent articles on selected topics will be reviewed. *May be repeated for credit up to 2 times.*

ENDR 8025 - Case Presentation Seminar (9 Credit Hours)

The purpose of the Case Presentation Seminar is to increase the resident's ability to provide an oral presentation discussing the diagnosis and treatment of their cases and to develop a scientific rationale for their treatment. This course will also prepare the residents to complete their case portfolio in the American Board of Endodontics (ABE) format. *May be repeated for credit up to 2 times.*

ENDR 8031 - Advanced Clinical Literature Seminar / Journal Club (11 Credit Hours)

The purpose of Journal Club and Advanced Clinical Literature Seminar is to increase the resident's ability to develop a scientific rationale for their clinical diagnosis and treatment and to be discriminative when reading the dental and medical literature. This activity will also enable the resident to gain experience

with the different databases that are available at the campus library. Each resident will be required to survey all of the articles in assigned journals on a weekly basis and, in addition, pertinent articles on selected topics will be reviewed. *May be repeated for credit up to 2 times.*

ENDR 8035 - Case Presentation Seminar (9 Credit Hours)

The purpose of the Case Presentation Seminar is to increase the resident's ability to provide an oral presentation discussing the diagnosis and treatment of their cases and to develop a scientific rationale for their treatment. This course will also prepare the residents to complete their case portfolio in the American Board of Endodontics (ABE) format. *May be repeated for credit up to 2 times.*

ENDR 8040 - Endodontic Research III (2 Credit Hours)

Each resident will develop a research protocol and have an active role in conducting a research project. The research project will be compiled into a document and submitted for publication to a refereed journal. The resident will also typically submit an abstract of the research and present via oral or poster presentation at the annual session of the AAE. *May be repeated for credit up to 2 times.*

ENDR 8041 - Endodontic Research IV (1 Credit Hour)

Each resident will develop a research protocol and have an active role in conducting a research project. The research project will be compiled into a document and submitted for publication to a refereed journal. The resident will also typically submit an abstract of the research and present via oral or poster presentation at the annual session of the AAE. *May be repeated for credit up to 2 times.*

ENDR 8121 - Clinical Endodontics 3 (23 Credit Hours)

This is a clinical course given each semester of the program that provides the resident with supervised clinical experience in the management and treatment of all types of complex nonsurgical and surgical endodontic cases. Residents gain experience in the management and treatment of cases which are the same types of complex nonsurgical and surgical cases treated in a specialty practice of endodontics. *May be repeated for credit up to 2 times.*

ENDR 8131 - Clinical Endodontics 4 (23 Credit Hours)

This is a clinical course given each semester of the program that provides the resident with supervised clinical experience in the management and treatment of all types of complex nonsurgical and surgical endodontic cases. Residents gain experience in the management and treatment of cases which are the same types of complex nonsurgical and surgical cases treated in a specialty practice of endodontics.

ENGLISH (ENGL)

ENGL 1101 - College Composition I (3 Credit Hours)

Composition I focuses on skills required for effective writing in a variety of contexts, with emphasis on exposition, analysis, and argumentation. This course also includes introductory use of a variety of research skills. The course provides instruction in word processing and in computer-based research. Students must continue to register for English 1101 each successive semester until they have completed the course with a grade of C or better. Both ENGL 1101 and ENGL 1102 should be completed within the first 30 hours of a student's undergraduate degree program.

ENGL 1101H- Honors College Composition I (3 Credit Hours)

Composition I focuses on skills required for effective writing in a variety of contexts, with emphasis on exposition, analysis, and argumentation. This course also includes introductory use of a variety of research skills. The course provides instruction in word processing and in computer-based research. Students must continue to register for English 1101 each successive semester until they have completed the course with a grade of C or better. Both ENGL 1101 and ENGL 1102 should be completed within the first 30 hours of a student's undergraduate degree program.

ENGL 1102 - College Composition II (3 Credit Hours)

College Composition II is a writing-based course where students refine their writing skills through themed courses with in-depth source material around a particular topic. Students read and write in variety of genres surrounding the theme of the course, and they compose a major academic research paper with independent research. Students who complete ENGL 1101 must enroll in English 1102 no later than the first semester they enroll following completion of ENGL 1101. Students must continue to register for English 1102 each successive semester until they have completed the course with a grade of C or better. Both ENGL 1101 and ENGL 1102 should be completed within the first 30 hours of a student's undergraduate degree program.

Prerequisite(s): (ENG101 >= C or ENGL 1101 >= C or ENGL 1101H >= C or ENGL 1113 >= C) or or

ENGL 1102H- Honors College Composition II (3 Credit Hours)

Literature-based, Composition II develops writing skills beyond the levels of proficiency required in English 1101. Interpretation and evaluation are emphasized, and more advanced research methods are incorporated. The course includes instruction in composition of a research paper. Students who complete ENGL 1101 must enroll in English 1102 no later than the first semester they enroll following completion of ENGL 1101. Students must continue to register for English 1102 each successive semester until they have completed the course with a grade of C or better. Both ENGL 1101 and ENGL 1102 should be completed within the first 30 hours of a student's undergraduate degree program.

Prerequisite(s): (ENGL 1101H >= C or ENGL 1113 >= C) or or

ENGL 1113H- Honors Freshman Composition I (3 Credit Hours)

This course develops more advanced skills in critical reading, thinking, and writing than is possible in 1101. The course incorporates study of texts by some of the world's most influential thinkers into a framework which develops skills in critical reading, critical thinking, and writing at a level more advanced than is possible in English 1101. The course also includes basic instruction in word-processing and in computer-based research. A grade of C or better is required. A student who fails to make a C or better in 1113 must take English 1101. Prerequisite(s): Eligibility for honors English/Invitation of the Department. This is an Honors Course.

ENGL 1114H- Honors Freshman Composition II (3 Credit Hours)

A literature-based composition course, ENGL 1114 emphasizes research, analysis, interpretation, and evaluation. Based in literature which reflects cultural diversity, English 1114 explores a greater variety of literature and of theoretical approaches to literature than is possible in English 1102. This course includes instruction in library and computer-based research and correct reporting and documenting of research in a lengthy paper. A grade of C or better is required. A student who fails to make a C or better in 1114 must take English 1102. Prerequisite(s): Eligibility for honors English/Invitation of the Department.

Prerequisite(s): (ENGL 1113 >= C or ENGL 1113H >= C) or (or)

ENGL 2060 - Introduction to Literature (3 Credit Hours)

A themed survey course on basic literary concepts and genres, including poetry, short fiction, drama, and the novel.

Prerequisite(s): (ENGL 1101 >= C or ENGL 1113H >= C) and (ENGL 1102 >= C or ENGL 1114H >= C)

ENGL 2110 - Creative Writing (3 Credit Hours)

Study and application of the techniques of writing fiction, poetry, and drama.

Prerequisite(s): (ENGL 1101 >= C or ENGL 1101H >= C or ENGL 1113 >= C or ENG101 >= C) and (ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C or ENG102 >= C or ENG111 >= C)

ENGL 2111 - World Literature I (3 Credit Hours)

A themed survey course on important works of world literature from ancient times through the mid-seventeenth century.

Prerequisite(s): (ENGL 1101 >= C or ENGL 1113 >= C) and (ENGL 1102 >= C or ENGL 1114 >= C)

ENGL 2112 - World Literature II (3 Credit Hours)

A themed survey course on important works of world literature from the mid-seventeenth century to the present.

Prerequisite(s): (ENGL 1101 >= C or ENGL 1113 >= C or ENGL 1101H >= C) and (ENGL 1102 >= C or ENGL 1114 >= C or ENGL 1102H >= C)

ENGL 2121 - British Literature I (3 Credit Hours)

A survey of British literatures from Beowulf to Milton, including major genres and works of the period. Includes study and application of literary terminology with a specific emphasis on close reading and literary analysis.

Prerequisite(s): (ENGL 1101 >= C or ENGL 1101H >= C or ENGL 1113 >= C) and (ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C)

ENGL 2122 - British Literature II (3 Credit Hours)

A survey of British literature from the Restoration to the present day, including major genres and works of the period. Includes study and application of literary terminology with a special emphasis on close reading and literary analysis.

Prerequisite(s): (ENGL 1101 >= C or ENGL 1101H >= C) and (ENGL 1102 >= C or ENGL 1102H >= C) or (ENGL 1113 >= C and ENGL 1114 >= C)

ENGL 2131 - American Literature I (3 Credit Hours)

A themed survey course on American literature from the pre-colonial age to the mid-nineteenth century.

Prerequisite(s): (ENGL 1101 >= C or ENGL 1113 >= C) and (ENGL 1102 >= C or ENGL 1114 >= C)

ENGL 2132 - American Literature II (3 Credit Hours)

A themed survey course on American literature from the mid-nineteenth century to the present.

Prerequisite(s): (ENGL 1101 >= C or ENGL 1113 >= C) and (ENGL 1102 >= C or ENGL 1114 >= C)

ENGL 2680 - Professional and Technical Writing (3 Credit Hours)

A core-level introduction to the concepts, strategies, and practices essential for writing procedures, proposals, and multiple forms of business correspondence. Students will communicate complex subject matter to specific audiences, lay and technical, in print and digital formats. Attention will be given to effective use of format. Documents will undergo a thorough revision process.

Prerequisite(s): (ENGL 1101 >= C or ENGL 1101H >= C) and (ENGL 1102 >= C or ENGL 1102H >= C) or (ENGL 1113 >= C and ENGL 1114 >= C)

ENGL 2950 - Selected Topics (3 Credit Hours)

A study of various literary developments, including movements, authors, and genres of interest to the lower-division undergraduate student. *May be repeated for credit.*

Prerequisite(s): (ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C) and (ENGL 1101 >= C or ENGL 1101H >= C or ENGL 1113 >= C)

ENGL 3110 - African American Literature (3 Credit Hours)

A survey of African American literature from the early slave narratives to the present.

Prerequisite(s): (ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C) and (ENGL 1101 >= C or ENGL 1101H >= C or ENGL 1113 >= C)

ENGL 3120 - Southern Literature (3 Credit Hours)

A survey of works by southern writers, with emphasis on twentieth-century prose writers.

Prerequisite(s): (ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C) and (ENGL 1101 >= C or ENGL 1101H >= C or ENGL 1113 >= C)

ENGL 3210 - Film Appreciation (3 Credit Hours)

An introduction to the art of the motion picture, including a consideration of camera movement, camera

angles, lighting, editing, mise en scene, acting, plot and story.

Prerequisite(s): ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C and ENG1101 >= C or ENG1101H >= C or ENG1113 >= C

ENGL 3250 - Introduction to Theory and Method (3 Credit Hours)

This course is an introduction to research methods and scholarly standards in literary studies, with an introduction to major schools of theory and their associated terminology. Students produce a research paper. Students must enroll in this course before completing ENGL 3681.

Prerequisite(s): (ENGL 1101 >= C or ENGL 1101H >= C or ENGL 1113 >= C) and (ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C)

ENGL 3310 - Women's Literature (3 Credit Hours)

An examination of a wide range of women writers, both classic and contemporary, with an emphasis on multicultural and/or multidisciplinary approaches.

Prerequisite(s): (ENGL 1101 >= C or ENGL 1101H >= C or ENGL 1113 >= C) and (ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C)

ENGL 3320 - Children's Literature (3 Credit Hours)

A survey of literature for children, including poetry, picture books, fiction, and non-fiction for use across the curriculum.

Prerequisite(s): (ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C) and (ENGL 1101 >= C or ENGL 1101H >= C or ENGL 1113 >= C)

ENGL 3330 - Literature for Pre-Adolescents and Adolescents (3 Credit Hours)

A survey of types of literature primarily read by pre-adolescents and adolescents.

Prerequisite(s): (ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C) and (ENGL 1101 >= C or ENGL 1101H >= C or ENGL 1113 >= C)

ENGL 3605 - Literature for the Creative Writer: Creative Nonfiction (3 Credit Hours)

An examination of the reading and writing of creative nonfiction designed specifically for creative writers. Students will discuss ways in which creative nonfiction writers utilize elements of craft. Students will also write creative nonfiction and critical essays in response to readings.

Prerequisite(s): ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C or ENGL 1114H >= C and ENGL 1101 >= C or ENGL 1101H >= C or ENGL 1113 >= C or ENGL 1113H >= C

ENGL 3610 - Literature for the Creative Writer: Fiction (3 Credit Hours)

An examination of the reading and writing of fiction designed specifically for creative writing students. Students will discuss ways in which fiction writers utilize elements of craft. Students will also write fiction and critical essays in response to their readings.

Prerequisite(s): (ENGL 1101 >= C or ENGL 1101H >= C or ENGL 1113 >= C or ENGL 1113H >= C) and (ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C or ENGL 1114H >= C)

ENGL 3615 - Literature for the Creative Writer: Poetry (3 Credit Hours)

An examination of the reading and writing of literature designed specifically for creative writing students. Students will discuss ways in which poets utilize elements of craft. Students will also write poetry and critical essays in response to their readings.

Prerequisite(s): (ENGL 1101 >= C or ENGL 1101H >= C or ENGL 1113 >= C) and (ENGL 1114 >= C or ENGL 1102 >= C or ENGL 1102H >= C)

ENGL 3620 - Writing for the Theatre (3 Credit Hours)

A workshop in the writing of one-act and full-length plays or screenplays. Topics include Aristotle and dramatic theory, plot structure, character, dialogue, naturalism, symbolism, theme, production problems, and manuscript format. Students will write a one-act play or a short screen play. Students cannot receive

credit for more than one of the following: ENGL 3620, COMD 3620, and COMW 3620.

Prerequisite(s): (ENGL 1101 >= C or ENGL 1101H >= C or ENGL 1113 >= C) and (ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C)

ENGL 3630 - Foundations in Poetry (3 Credit Hours)

A creative writing course that emphasizes the fundamentals of scansion as a means for understanding contemporary poetry. Students will discuss meaning and what makes poetry "good" or "bad". Students will also write original poems, participate in workshop critiques, and read and analyze essays on craft.

Prerequisite(s): (ENGL 1101 >= C or ENGL 1101H >= C or ENGL 1113 >= C) and (ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C)

ENGL 3640 - Writing Short Fiction (3 Credit Hours)

An introduction to the basic concepts and procedures important to the processes of creating short works of fiction. Students will write stories, review stories, critique the work of other students, and analyze selected texts focusing on the writing process.

Prerequisite(s): (ENGL 1101 >= C or ENGL 1101H >= C or ENGL 1113 >= C) and (ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C)

ENGL 3650 - Grant Writing (3 Credit Hours)

An introduction to the concepts, strategies, and practices essential for producing effective grant proposals. Students will study grant-writing theory and format and complete assignments that enable them to apply this knowledge in practical form.

Prerequisite(s): (ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C)

ENGL 3660 - Introduction to Creative Nonfiction (3 Credit Hours)

An introduction to the basic concepts and procedures important to writing creative nonfiction. Students will write various forms of creative nonfiction (essays, memoirs, op-eds, reviews, and/or lyric, braided essays), critique the work of other students, and analyze selected texts representing the genre and focusing on the writing process.

Prerequisite(s): (ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C) and (ENGL 1101 >= C or ENGL 1101H >= C or ENGL 1113 >= C)

ENGL 3681 - Advanced Style and Editing (3 Credit Hours)

A workshop-based course in intensive editing of writing projects with a focus on academic style and conventions. Students will develop and edit their writing for future use, publication and/or inclusion in portfolio. Prerequisite(s): Junior standing; or permission of instructor.

Prerequisite(s): (ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C)

ENGL 3682 - Writing in the Community (3 Credit Hours)

A service-learning-based writing course in which students will collaborate with local community- and campus-based organizations to generate usable documents appropriate to the organization's needs. Students will be required to write within a local exigency for a public audience. Project details must be specified in a written agreement between the organizations and student groups in consultation with the course instructor.

Prerequisite(s): (ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C)

ENGL 3684 - Rhetorical Genre Studies (3 Credit Hours)

This course introduces students to rhetorical genre studies, including rhetorical genre theory and applications. Rhetorical genre studies aims to understand the connection between texts, social activities, and social institutions. By reading genre theory and research, and by practicing rhetorical reading themselves, students will consider how genres come to exist, how they change, and how they can both limit and advance our ability to be actors within discourse communities.

Prerequisite(s): ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C

ENGL 3685 - Digital Rhetoric (3 Credit Hours)

This course will instruct students in the emerging field of digital rhetoric, including a review of the major works and theories of digital rhetoric, digital writing, and technology-supported communication. Students will learn about how classical and contemporary rhetorical theories inform digital rhetoric and writing in digital environments. Students will produce analyses and assessments of digital rhetoric and create a research-based project involving digital environments.

Prerequisite(s): ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C

ENGL 3686 - Introduction to Writing in the Sciences (3 Credit Hours)

This course takes a rhetorical approach to scientific communication by grounding principles of scientific style and STEM genre conventions within the contexts of purpose, audience, and discourse community. Students will be exposed to a variety of scientific texts in order to become familiar with the principles of effective scientific communication for both expert and lay audiences. Through rhetorical reading, students will learn about audience needs and expectations for scientific texts. Students will also compose in disciplinary and popular scientific genres to improve their skills and gain rhetorical awareness.

Prerequisite(s): ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C

ENGL 3687 - User Research and Design (3 Credit Hours)

This course introduces students to the theories, methods, and practices in user research and design. Students will focus on applying learned methods and practices to real-world situations, and will create personas, portfolios, tests, and experiences for public audiences. Students will learn about the field of user research and design, including jobs, associations, and other opportunities in applied rhetoric.

Prerequisite(s): ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C

ENGL 3688 - Theory and History of Rhetoric (3 Credit Hours)

This course introduces rhetorical theory, criticism, method, and history through the examination of writing and speaking traditions; social and cultural issues; and contemporary discourse concerns. Focus will be on both ancient rhetorical practices beginning with Aristotle and ending with 21st century rhetorical practices, including discussion of new and social media. Both western and non-western rhetorical traditions will be explored.

Prerequisite(s): ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C

ENGL 3700 - Introduction to Professional Writing and Rhetoric (3 Credit Hours)

This survey course introduces students to key concepts and skills in professional writing with a focus on rhetorical theories of genre, methods, and careers in the field. Assignments will provide students practice in research, editing, design, and writing for a variety of rhetorical situations and a variety of audiences. Students will work collaboratively on hands-on assignments to help them understand what professional writing and audience-centered communication entails.

Prerequisite(s): (ENGL 1101 >= C or ENGL 1101H >= C) and (ENGL 1102 >= C or ENGL 1102H >= C) or (ENGL 1113 >= C and ENGL 1114 >= C)

ENGL 3830 - Writing Center Theory and Practice (3 Credit Hours)

A course in which students study major scholarship on writing center theory and practice, as well as observe and discuss writing center sessions to learn best tutoring practices. Students wishing to enroll in course must meet all job requirements for writing center tutors (3.0 GPA in writing courses, clean background check, references, and acceptable writing samples) and be employed in the Writing Center during the semester in which they take the course.

Prerequisite(s): (ENGL 1101 >= C or ENGL 1101H >= C or ENGL 1113 >= C) and (ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C)

ENGL 4000 - Studies in British Literature (3 Credit Hours)

An intensive study of selected topics in the literature of the British Isles. The course may focus on periods, literary movements, or genres.

Prerequisite(s): (ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C) and (ENGL 1101 >= C or

ENGL 1101H >= C or ENGL 1113 >= C)

ENGL 4001 - Oral Proficiency for ESL Speakers (1 Credit Hour)

This 1-credit course provides cross-language comparison of the phonological system in English and some other languages to help ESL (English as a Second Language) speakers improve their oral proficiency skills in English in terms of intelligibility and effectiveness, with less accented English. This course does not count toward the English major. This course does not count toward F-1 visa minimum hour requirements.

ENGL 4002 - Academic English for ESL Speakers (1 Credit Hour)

This 1-credit course combines the format of lecture, workshop and online teaching to help ESL writers improve their writing skills in English for academic purposes. The focus of instruction is on essay structure, information presentation and appropriate/correct use of grammar and sentence structures. This course does not count toward the English major. This course does not count toward F-1 visa minimum hour requirements.

ENGL 4020 - History of the Book (3 Credit Hours)

An introduction to the history of the book, from its origins in manuscript tradition to the rise of digital media. *May be repeated for credit up to 0 times.*

Prerequisite(s): (ENGL 1101 >= C or ENGL 1101H >= C or ENGL 1113 >= C) and (ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C)

ENGL 4100 - Studies in American Literature (3 Credit Hours)

An intensive study of selected topics in American literature. The course may focus on literary movements, periods or genres, e.g. the Harlem Renaissance, Southern drama, or the literature of New England.

Prerequisite(s): (ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C) and (ENGL 1101 >= C or ENGL 1101H >= C or ENGL 1113 >= C)

ENGL 4200 - Studies in Genre (3 Credit Hours)

An intensive examination of a particular genre (e.g. epic, tragedy, or satire).

Prerequisite(s): (ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C) and (ENGL 1101 >= C or ENGL 1101H >= C or ENGL 1113 >= C)

ENGL 4220 - Contemporary Theatre (3 Credit Hours)

A survey of major world dramatists and their works, from the end of the nineteenth century to the present.

Prerequisite(s): (HUMN2002 >= D or HUMN2002H >= D) and (HUMN2001 >= D or HUMN2001H >= D) and (ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C) and (ENGL 1101 >= C or ENGL 1101H >= C or ENGL 1113 >= C)

ENGL 4230 - Modern Poetry (3 Credit Hours)

A study of the major movements in English and American poetry from World War I to the present.

Emphasis is placed on Eliot, Yeats, Pound, Frost, and Auden.

Prerequisite(s): (HUMN2002 >= D or HUMN2002H >= D) and (HUMN2001 >= D or HUMN2001H >= D) and (ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C) and (ENGL 1101 >= C or ENGL 1101H >= C or ENGL 1114 >= C)

ENGL 4250 - The Modern American Novel (3 Credit Hours)

A study of several major American novels written since World War I, including works by such novelists as Hemingway, Fitzgerald, Faulkner, Morrison, and Bellow.

Prerequisite(s): (ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C) and (ENGL 1101 >= C or ENGL 1101H >= C or ENGL 1113 >= C)

ENGL 4261 - The English Novel to 1900 (3 Credit Hours)

A survey of the English novel, emphasizing the novels of Defoe, Richardson, Fielding, Austen, Bronte,

Dickens, and Hardy.

Prerequisite(s): (ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C) and (ENGL 1101 >= C or ENGL 1101H >= C or ENGL 1113 >= C)

ENGL 4262 - The Modern British Novel (3 Credit Hours)

A study of several modern British novels, with emphasis on works by Conrad, Woolf, Lawrence, Forster, Greene, and Joyce.

Prerequisite(s): (ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C) and (ENGL 1101 >= C or ENGL 1101H >= C or ENGL 1113 >= C)

ENGL 4310 - Studies in Feminism (3 Credit Hours)

A course which uses feminist scholarship to analyze selected texts and topics.

Prerequisite(s): (ENGL 1101 >= C or ENGL 1101H >= C or ENGL 1113 >= C) and (ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C)

ENGL 4330 - Studies in Popular Culture (3 Credit Hours)

An examination of selected topics in popular culture.

Prerequisite(s): (ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C) and (ENGL 1101 >= C or ENGL 1101H >= C or ENGL 1113 >= C)

ENGL 4350 - Studies in Medieval Literature and Medievalism (3 Credit Hours)

An intensive study of selected topics in medieval literature and literary traditions that grow out of the Middle Ages.

Prerequisite(s): (ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C) and (ENGL 1101 >= C or ENGL 1101H >= C or ENGL 1113 >= C)

ENGL 4360 - Studies in World Literature (3 Credit Hours)

An intensive study of selected topics in world literature. The course may focus on major figures, periods, literary movements, or genres.

Prerequisite(s): (ENGL 1102 >= C or ENGL 1102H or ENGL 1114 >= C) and (ENGL 1101 >= C or ENGL 1101H >= C or ENGL 1113 >= C)

ENGL 4410 - Chaucer (3 Credit Hours)

A study of Troilus and Criseyde, The Canterbury Tales, and some minor poems.

Prerequisite(s): (ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C) and (ENGL 1101 >= C or ENGL 1101H >= C or ENGL 1113 >= C)

ENGL 4420 - Shakespeare (3 Credit Hours)

The major Shakespearean histories, comedies, and tragedies within the context of the Elizabethan theater.

Prerequisite(s): (ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C) and (ENGL 1101 >= C or ENGL 1101H >= C or ENGL 1113 >= C)

ENGL 4430 - Milton (3 Credit Hours)

The major and minor poems and selected prose of Milton.

Prerequisite(s): (ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C) and (ENGL 1101 >= C or ENGL 1101H >= C or ENGL 1113 >= C)

ENGL 4440 - Major British Authors (3 Credit Hours)

An intensive examination of the works of a major British writer (e.g., Blake, Joyce, or Woolf).

Prerequisite(s): (ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C) and (ENGL 1101 >= C or ENGL 1101H >= C or ENGL 1113 >= C)

ENGL 4450 - Major American Authors (3 Credit Hours)

An intensive examination of the works of a major American writer (e.g., Faulkner, Melville, or Morrison).

Prerequisite(s): (ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C) and (ENGL 1101 >= C or ENGL 1101H >= C or ENGL 1113 >= C)

ENGL 4510 - Literary Theory (3 Credit Hours)

A study of the major critics from Aristotle to the present, with emphasis on the development of various twentieth-century critical positions.

Prerequisite(s): (ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C) and (ENGL 1101 >= C or ENGL 1101H >= C or ENGL 1113 >= C)

ENGL 4520 - Research in Writing (3 Credit Hours)

A course on research methods in writing studies culminating in a major research project. Research projects will be grounded in major theories of writing, including perspectives offered by linguistics, psychology, communications, rhetoric, and literary theory. Presentation and publication opportunities will be explored.

Prerequisite(s): (ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C)

ENGL 4530 - Studies in Theory (3 Credit Hours)

An intensive examination of selected topics in critical theory and practice; the course may focus on major theorists, periods, or movements.

Prerequisite(s): (ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C) and (ENGL 1101 >= C or ENGL 1101H >= C or ENGL 1113 >= C)

ENGL 4630 - Poetry Workshop (3 Credit Hours)

An intensive practicum in the writing of poetry. Students will write and revise their own poetry, participate in a weekly workshop of evaluation and criticism, and read extensively in the work of contemporary poets.

Prerequisite(s): (ENGL 1101 >= C or ENGL 1101H >= C or ENGL 1113 >= C) and (ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C)

ENGL 4640 - Fiction Workshop (3 Credit Hours)

Advanced concepts and procedures important to the writing process, among them questions of genre, mode, and technique. Students will write material in the (fiction) genre of their choice, critique the work of other students, analyze selected published works, and read selected texts focusing on the writing process.

Prerequisite(s): (ENGL 1101 >= C or ENGL 1101H >= C or ENGL 1113 >= C) and (ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C)

ENGL 4650 - Advanced Theory of Professional Writing and Rhetoric (3 Credit Hours)

This course introduces students to advanced theories, methods, and issues in professional writing and rhetoric (PWR). Students will explore contemporary rhetorical theory as defined through PWR, the role of experimental PWR, public issues of PWR, and the role of future technology in PWR applications.

Students will be asked to theorized the place of PWR in both disciplinary and interdisciplinary studies.

Prerequisite(s): (ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C)

ENGL 4660 - Advanced Creative Nonfiction (3 Credit Hours)

An intensive practicum in the writing of creative nonfiction. Students will write and revise their own creative nonfiction, participate in workshops of evaluation and criticism, and read extensively in the canon of contemporary and classic creative nonfiction.

Prerequisite(s): (ENGL 1101 >= C or ENGL 1101H >= C or ENGL 1113 >= C) and (ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C)

ENGL 4670 - Sand Hills Literary Editing and Publishing (3 Credit Hours)

Basic instruction on literary magazine history and production. Students will read and research a variety of magazines, as well as apply the knowledge they acquire and practice the skills they learn by soliciting, selecting, and editing creative works for publication in Sand Hills, which may be used in their professional portfolios. *May be repeated for credit up to 2 times.*

Prerequisite(s): (ENGL 1101 >= C or ENGL 1101H >= C or ENGL 1113 >= C) and (ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C)

ENGL 4680 - Special Topics in Writing (3 Credit Hours)

An intensive study of selected topics in professional and/or creative writing.

Prerequisite(s): (ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C)

ENGL 4690 - Rhetoric and Digital Media (3 Credit Hours)

This course instructs students in the practice in critical reading of digital media texts and creation of a variety of technological-enhanced rhetorical genres. Students will learn about writing for various digital media and Internet-based genres through hypertext, multimedia, and interactive digital production.

Students will produce analyses, assessments, and content for an original digital magazine developed as part of the course.

Prerequisite(s): (ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C)

ENGL 4711 - Introduction to Linguistics (3 Credit Hours)

The fundamentals of descriptive and structural linguistics; phonemes and phonemic transcription; morphology and syntax; and transformational grammar.

Prerequisite(s): (ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C) and (ENGL 1101 >= C or ENGL 1101H >= C or ENGL 1113 >= C)

ENGL 4712 - Modern Grammatical Systems (3 Credit Hours)

An examination of modern grammatical systems, with emphasis on a description of the grammatical structure of English.

Prerequisite(s): (ENGL 1101 >= C or ENGL 1101H >= C or ENGL 1113 >= C) and (ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C)

ENGL 4720 - History and Structure of the English Language (3 Credit Hours)

A study of the history and structure of the English language from Old English to the present.

Prerequisite(s): (ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C) and (ENGL 1101 >= C or ENGL 1101H >= C or ENGL 1113 >= C)

ENGL 4800 - Capstone Seminar (3 Credit Hours)

In this course, students will develop and demonstrate critical reading and thinking skills, advanced research and writing skills, and ability to explore a specialized topic in depth and in context. The capstone culminates in a capstone project.

Prerequisite(s): (ENGL 1101 >= C or ENGL 1101H >= C) and (ENGL 1102 >= C or ENGL 1102H >= C) or (ENGL 1113 >= C and ENGL 1114 >= C) and ENGL3250 >= C

ENGL 4801 - Methods and Materials for Teaching English to Speakers of Other Languages I (2 Credit Hours)

Methods and materials for listening, speaking, reading, writing, and cultural activities appropriate for teaching English to speakers of other languages. Introduction to first and second language acquisition theories, a review of English language teaching methods, testing procedures, and teacher preparation and evaluation. A field experience of 25 clock hours is a required component of the course.

ENGL4801/FREN4801/SPAN4801 are equivalent courses; a student may only receive credit for one.

ENGL 4802 - Methods and Materials for Teaching English to Speakers of Other Languages II (2 Credit Hours)

Methods and materials for listening, speaking, reading, writing, and cultural activities appropriate for teaching English to speakers of other languages. Advanced instruction in first and second language acquisition theories, a review of English language teaching methods, testing procedures, and teacher preparation and evaluation. A field experience of 25 clock hours is a required component of the course. ENGL 4802/FREN4802/SPAN4802 are equivalent courses; a student may only receive credit for one.

ENGL 4950 - Selected Topics (3 Credit Hours)

Seminar in a particular author, period, style, subject or movement, often conducted on an interdisciplinary basis. *May be repeated for credit.*

Prerequisite(s): (ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C) and (ENGL 1101 >= C or ENGL 1101H >= C or ENGL 1113 >= C)

ENGL 4960 - Undergraduate Internship (1 to 3 Credit Hours)

An internship is a service-learning experience based in an off-campus agency or organization. The experience entails the completion of a specific task and the acquisition of specific knowledge and skills under the supervision of faculty and the cooperating organization or agency. *May be repeated for credit.*

Prerequisite(s): (ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C) and (ENGL 1101 >= C or ENGL 1101H >= C or ENGL 1113 >= C)

ENGL 4961 - Professional Writing Internship (3 Credit Hours)

In-service learning experience in the field of professional writing.

Prerequisite(s): ENGL 2680 >= C

ENGL 4990 - Undergraduate Research (3 Credit Hours)

A major research project exploring a specific topic under the close direction of the supervising instructor. Emphasis is placed on the student's learning research techniques. The student should produce a work of near-publishable quality. Prerequisite(s): Permission of the instructor.

ENGL 6001 - Oral Proficiency for ESL Speakers in Academic Context (1 Credit Hour)

This 1-credit course helps ESL (English as a Second Language) speakers improve their oral proficiency skills in English in academic and professional contexts. Topics include linguistic issues such as different sound systems, sound articulation, rhythm, stress, sound change in articulation, intonation, and pragmatic language use. This course does not count towards the MAT or MEd degree. This course does not count toward F-1 visa minimum hour requirements.

ENGL 6002 - Research-Oriented Writing for ESL Writers (1 Credit Hour)

This one-credit course combines the format of lecture, workshop and online teaching to help ESL (English as a Second Language) academic writers improve research-oriented writing and literature review for academic purposes in professional fields. The focus of instruction is on essay structure, information presentation and appropriate/correct use of grammar and sentence structures. This course does not count toward the MAT or MEd degrees. This course does not count toward F-1 visa minimum hour requirements.

ENGL 6010 - Special Topics in World Literature (3 Credit Hours)

An intensive study of selected topics in world literature. The course may focus on major figures, periods, literary movements, or genres, and will usually include non-Western as well as Western texts.

Prerequisite(s): Admission to the graduate program and permission of the instructor. *May be repeated for credit.*

ENGL 6110 - Special Topics in Genre (3 Credit Hours)

A comparative study of a particular genre, such as comedy, tragedy, or satire. Prerequisite(s): Admissions to the graduate program and permission of the instructor. *May be repeated for credit.*

ENGL 6125 - Literature for Children (3 Credit Hours)

A critical study of literature for children. Topics include the history of children's literature, a survey of types of children's literature, and problems in teaching. Prerequisite(s): Admission to the graduate program and permission of the instructor.

ENGL 6130 - Topics in Pre-Adolescent and Adolescent Literature (3 Credit Hours)

A critical study of literature appropriate for middle grades students. Topics include major genres and major authors in the context of critical perspectives. Prerequisite(s): Admission to the graduate program and permission of the instructor.

ENGL 6230 - Studies in African American Literature (3 Credit Hours)

Study of major texts in African American literature, beginning with early slave narratives. Prerequisite(s): Admission to the graduate program and permission of the instructor.

ENGL 6250 - Studies in Women's Literature (3 Credit Hours)

An examination of a wide range of women writers, with an emphasis on multicultural and/or multidisciplinary approaches. Prerequisite(s): Admission to the graduate program and permission of the instructor.

ENGL 6310 - Literature of the English Middle Ages (3 Credit Hours)

Intensive study of the literature of the English Middle Ages, from Beowulf through Mallory. Prerequisite(s): Admission to the graduate program and permission of the instructor.

ENGL 6315 - Literature of the English Renaissance (3 Credit Hours)

Intensive study of English literature from 1485 to the Restoration, excluding Shakespeare. Prerequisite(s): Admission to the graduate program and permission of the instructor.

ENGL 6320 - English Neoclassical and Romantic Literature (3 Credit Hours)

Intensive study of English literature from the Restoration to 1830. Prerequisite(s): Admission to the graduate program and permission of the instructor.

ENGL 6325 - English Literature: Victorian Through the 1900s (3 Credit Hours)

Intensive study of English Literature from 1830 to 1945. Prerequisite(s): Admission to the graduate program and permission of the instructor.

ENGL 6350 - Topics in British Literature (3 Credit Hours)

Selected topics in the literature of the British Isles, including periods, literary movements, or genres. Prerequisite(s): Admission to the graduate program and permission of the instructor.

ENGL 6410 - American Literature to 1875 (3 Credit Hours)

Intensive study of major writers, movements, and historical periods in American literature to 1875. Prerequisite(s): Admission to the graduate program and permission of the instructor.

ENGL 6420 - American Literature Since 1875 (3 Credit Hours)

Intensive study of major writers, movements, and historical periods in American literature since 1875. Prerequisite(s): Admission to the graduate program and permission of the instructor.

ENGL 6440 - Studies in Southern Literature (3 Credit Hours)

An intensive study of works by Southern writers, with emphasis on the twentieth century. Prerequisite(s): Admission to the graduate program and permission of the instructor.

ENGL 6450 - Topics in American Literature (3 Credit Hours)

An intensive study of selected topics in American literature, including literary movements, periods or

genres. Prerequisite(s): Admission to the graduate program and permission of the instructor.

ENGL 6500 - Second-Language Acquisition Theories (3 Credit Hours)

Theories of second language acquisition from the linguistics, cognitive, sociolinguistics and sociocultural perspectives.

ENGL 6520 - Research in Writing (3 Credit Hours)

A course on research methods in writing studies culminating in a major research project. Research projects will be grounded in major theories of writing, including perspectives offered by linguistics, psychology, communications, rhetoric and literary theory. Presentation and publication opportunities will be explored. Graduate students will design and conduct an original primary research project.

Prerequisite(s): Admission to the graduate program and permission of the instructor.

ENGL 6550 - Studies in Major British Authors (3 Credit Hours)

An intensive examination of the works of one or two major British writers (e.g. Blake, Joyce, or Woolf).

Prerequisite(s): Admission to the graduate program and permission of the instructor.

ENGL 6560 - Studies in Major American Authors (3 Credit Hours)

An intensive examination of the works of a major American writer (e.g., Faulkner, Melville, or Morrison).

Prerequisite(s): Admission to the graduate program and permission of the instructor.

ENGL 6610 - English Language: History and Structure (3 Credit Hours)

Studies in the nature of linguistic change and the development of the English language from Old English to the present. Prerequisite(s): Admission to the graduate program and permission of the instructor.

ENGL 6620 - English Linguistics (3 Credit Hours)

Introduction to English linguistics: studies in the nature of language, phonology, morphology, syntax, semantics, and language variation. Prerequisite(s): Admission to the graduate program and permission of the instructor.

ENGL 6625 - Contemporary English Grammar and Usage (3 Credit Hours)

Modern grammar and usage. Prerequisite(s): Admission to the graduate program and permission of the instructor.

ENGL 6650 - Grant Writing (3 Credit Hours)

Advanced study in the concepts, strategies and practices essential for producing effective grant proposals. Students will study grant-writing theory and format and complete assignments that enable them to apply this knowledge in practical form. Graduate students will work extensively on grant proposals. Prerequisite(s): Admission to the graduate program and permission of the instructor.

ENGL 6680 - Professional and Technical Writing (3 Credit Hours)

Advanced study in the concepts, strategies, and practices essential for writing procedures, proposals, manuals, reports, process descriptions and multiple forms of business correspondence. Students will communicate complex subject matter to specific audiences, lay and technical, in print and digital formats. Attention will be given to effective use of format, layout, headings, tables of contents, appendices and supporting graphics. Documents will undergo a thorough revision process that emphasizes vocabulary, syntax and content. Graduate students will serve as project leaders. Prerequisite(s): Admission to the graduate program and permission of the instructor.

ENGL 6681 - Advanced Style and Editing (3 Credit Hours)

A workshop-based course in intensive editing of writing projects with a focus on academic style and conventions. Graduate students will develop and edit their writing for publication. Prerequisite(s): Admission to the graduate program and permission of the instructor.

ENGL 6682 - Writing in the Community (3 Credit Hours)

A service-learning-based writing course in which students will collaborate with local community- and campus-based organizations to generate usable documents appropriate to the organization's needs. Students will be required to write within a local exigency for a public audience. Project details must be specified in a written agreement between the organizations and student groups in consultation with the course instructor. Graduate students will serve as project leaders. Prerequisite(s): Admission to the graduate program and permission of the instructor.

ENGL 6700 - Special Topics in Writing (3 Credit Hours)

An intensive study of selected topics in professional and/or creative writing. Graduate students will complete a substantial theory-based project. Prerequisite(s): Admission to the graduate program and permission of the instructor. *May be repeated for credit.*

ENGL 6800 - Issues in Literary Criticism (3 Credit Hours)

Selected topics in professional or creative writing, appropriate for graduate study. The course may focus on issues of craftsmanship, technique, or genre. Prerequisite(s): Admission to the graduate program and permission of the instructor.

ENGL 6801 - Methods and Materials for Teaching English to Speakers of Other Languages (3 Credit Hours)

Methods and materials for listening, speaking, reading, writing, and cultural activities appropriate for second language learners of English. Second language acquisition theories, a review of language teaching methods, testing procedures, and teacher preparation and evaluation.

ENGL 6950 - Special Topics (1 to 3 Credit Hours)

Seminar in a particular author, period, style, subject, or movement, often conducted on an interdisciplinary basis. Prerequisite(s): Admission to the graduate program and permission of the instructor. *May be repeated for credit.*

ENGINEERING (ENGR)**ENGR 2020 - Statics (3 Credit Hours)**

Elements of statics in two and three dimensions, centroids, friction, distributed loads, free-body diagrams. Prerequisite(s): PHYS2211 >= C

ENGR 2040 - Dynamics (3 Credit Hours)

Kinematics and dynamics of particles and rigid bodies in one, two, and three dimensions. Work-energy and impulse-momentum concepts. Prerequisite(s): ENGR2020 >= C

ENGR 2060 - Programming for Science and Engineering (4 Credit Hours)

An introduction to computer programming using a high-level language supporting scientific programming suitable for engineering, physical sciences, and mathematics. Students will learn to write computer programs with the goal of solving numerical problems relevant to engineering and applied sciences.

Corequisite: MATH 2011.

STEM GPA Eligible Course

Prerequisite(s): (MATH 2011 or MATH 2011H or MAT201)

EPIDEMIOLOGY (EPID)**EPID 7040 - Epidemiology Capstone Project (2 to 5 Credit Hours)**

Required course for Master of Science in Epidemiology students. This course provides an opportunity for

the student to integrate both technical and content knowledge into a project on an epidemiology topic chosen by the student. It consists of one capstone project write-up, directed by a faculty member from the Division of Epidemiology. A formal oral presentation is required at the conclusion of the project. *May be repeated for credit up to 1 time.*

EPID 7130 - Introduction to Epidemiology (3 Credit Hours)

Introduces the basic principles and methods of epidemiology and demonstrates its applicability in the field of public health. Topics include: uses of epidemiology, measures of morbidity and mortality, descriptive epidemiology, epidemiology data sources, study designs, screening, sensitivity and specificity, causation, and ethical issues. Students learn how to design epidemiologic data, identify sources of data, and interpret findings. An emphasis is placed on applications of epidemiology and understanding how to read and critique epidemiological studies in the published literature. *May be repeated for credit up to 1 time.*

EPID 7370 - Intermediate Epidemiology (3 Credit Hours)

Intermediate-level instruction in epidemiology study design and quantitative methods. Topics include: the design, conduct, and analysis of case-control, cohort study, and randomized controlled trials.

Prerequisite(s): EPID 7130 >= B

EPID 7380 - Chronic Disease Epidemiology (3 Credit Hours)

This course will examine the epidemiology of chronic diseases to assess etiology, prevention and control. It will analyze details of epidemiologic studies in cardiovascular disease, cancer and other major chronic diseases. Content will include definitions, social and biological origins, pathological, and clinical aspects of chronic diseases; an introduction to information sources and methods in chronic disease epidemiology; the national burden of chronic diseases; descriptive epidemiology and major risk factors for various forms of chronic diseases; strategies for disease prevention and the role of epidemiology developing and evaluating those strategies. Pertinent literature will be critically reviewed.

Prerequisite(s): STAT7130 >= C or EPID7130 >= C

EPID 7390 - Infectious Disease Epidemiology: Theory and Methods (3 Credit Hours)

This course provides graduate students and health professionals with an understanding of the principles and methods of infectious disease epidemiology. Topics include infectious diseases, diagnostic techniques, immune responses, and microbial adaptations, disease transmission, disease burden and transmission patterns in population.

Prerequisite(s): STAT7130 >= B

ESTHETIC DENTISTRY (ESTD)

ESTD 5601 - Esthetic Restorative Dentistry (3 Credit Hours)

ESTD 9001 - Esthetic Seminar I (1 Credit Hour)

ESTD 9002 - Esthetic Seminars II (2 Credit Hours)

ESTD 9003 - Esthetic Seminars III (2 Credit Hours)

ESTD 9901 - Esthetic Fellowship Clinic I (6 Credit Hours)

Clinical patient treatment.

ESTD 9902 - Esthetic Fellowship Clinic II (13 Credit Hours)

Clinical patient treatment.

ESTD 9903 - Esthetic Fellowship Clinic III (18 Credit Hours)

Clinical patient treatment.

ETHICS IN DENTISTRY (ETHD)

ETHD 5002 - Ethics, Jurisprudence and Dentistry (1 Credit Hour)

ETHD 5602 - Ethics, Jurisprudence, and Dentistry (1 Credit Hour)

EUROPEAN UNION STUDIES (EURO)
EURO 3234 - Introduction to the EU (3 Credit Hours)

An introduction to the history, institutions, and policies of the European Union. The course also examines the role of the EU as a global actor, including its relations with the United States.

EURO 4090 - Selected Topics in EU Studies (3 Credit Hours)

An examination of selected topics in European Union studies. May be repeated for credit if topics are different. *May be repeated for credit.*

EURO 4130 - European Union Studies (3 Credit Hours)

A study of the legal institutions that constitute the European Union and the legal processes of those institutions in the context of international law and in comparison to the United States. The course examines the body of law, both static and dynamic, on which these institutions rest and that have been produced by the institutions themselves. This law includes the several treaties that provide the legal basis of the EU; the body of statutory law enacted by the Parliament, the council, and the commission; the judicial decisions adjudicated by the Court of Justice and the Court of First Instance; and finally, the administrative rulings issued by the European Ombudsman.

EURO 4160 - Federalism and Multilevel Governance in the EU (3 Credit Hours)

An examination of multilevel governance in the European Union and the United States, comparing American federalism to the EU's less centralized, more confederal system. The origins and development of each system are examined, as are the complex relationships between the different levels of government in each. The course also asks whether and how each system is evolving - towards greater centralization, or more decentralization?

EURO 4230 - Doing Business in the EU (3 Credit Hours)

A study of the challenges of doing business in the European Union compared to the United States. It focuses on institutions and rules in both systems which impact the business environment for domestic and international firms. It also addresses how political decisions affect the business environment in both the EU and US.

EURO 4260 - European Monetary Union (3 Credit Hours)

An examination of the history and evolution of European Economic and Monetary Union (EMU) and its impact on the United States and the global economy. Key topics include the origins and creation of EMU, the institutions and functioning of EMU, the relationship between EMU and the European Union, and the impact of EMU on the United States and transatlantic relations. The course also examines the Eurozone debt crisis and its implications for the US and world economy.

EURO 4330 - European Union Science and Technology Policy (3 Credit Hours)

An examination of science and technology policy, with particular attention to the European Union and (for comparison) the United States. The course begins with an overview of technical innovation and the current state of science and policymaking in the EU and the US. It then examines how governments can

encourage technological innovation, and concludes by asking whether government and society can (or should) try to limit or control technological innovation. It also examines US-EU cooperation and dissension on science and technology issues.

EURO 4430 - EU Environmental Policy (3 Credit Hours)

A survey of critical issues in European Union environmental policy, including the historical origins of environmental policy, the difficulties of implementing changing regulations, the role of EU governance in policy implementation, and the future prospects for EU success in environmental regulation. These issues are examined in comparative context, using the United States as the other case. The course looks at how environmental policies are made in both the US and EU in the context of multilevel governmental systems of different types. It also examines how the US and EU have addressed similar environmental problems, and the extent of transatlantic cooperation in dealing with global environmental issues.

EURO 4530 - European Social Policy (3 Credit Hours)

An examination of social policy in the European Union. The course focuses on the history of social policy in Europe, and on current social policy arrangements in Europe and the EU. It describes the context of policy making and EU social welfare model(s). It also examines gender policy, education, child care, elder care, and other policies in the context of improving social conditions in the domestic policy arena.

EURO 4630 - Communications and Media (3 Credit Hours)

An examination of communications and the media in the European Union and the United States. Key topics include: 1) basic concepts and principles in the EU and US law, 2) broadcasting, 3) voice telephony, 4) the Internet and social media, 5) the consequences of EU enlargement, 6) and media policies and practices. The course examines how decisions about communications and media are essentially political in nature, and how those decisions affect politics in general. It also asks whether developments in media and communications are a force for greater unity or fragmentation in the EU and US. Finally, the course examines US-EU cooperation and influence on global media and communications issues.

EURO 4730 - EU Foreign Policy (3 Credit Hours)

An examination of the foreign policy of the European Union. This course explores the institutional and practical challenges facing the EU as it attempts to pursue a more integrated and coherent common foreign policy in the context of a constantly shifting process of regionalization. It explores the institutional framework of the EU foreign policy apparatus as well as the interactions between the EU and its member states' foreign policy institutions. These issues are examined in the context of several key issue areas in which the EU exercises (or attempts to exercise) a common foreign policy.

EURO 4760 - United States - European Union Relations (3 Credit Hours)

An examination of relations between the United States and the European Union. Topics include history of the US-EU relations and US views on the European integration project, the economic and security dimensions of the US-EU relationship, and the place of US-EU relations in the broader transatlantic relationship. The course also examines US-EU cooperation on global issues and the future of transatlantic relations in the context of emerging powers and a changing world order.

EURO 4830 - EU Studies Capstone Course (3 Credit Hours)

A capstone course for students in the EU Studies certificate program. It explores various selected topics in a way that allows students to synthesize their knowledge of the EU. *May be repeated for credit up to 2 times.*

FOOD, DIETETICS, AND NUTRITIONAL SCIENCE (FDNS)

FDNS 6500 - Special Topics in Nutrition and Foods (1 Credit Hour)

This course is a one-hour seminar that is repeated each semester that will provide students with in-depth study of selected topics of current interest in nutrition and dietetics. Students will hear from nutrition

experts as well as make presentations on topics of interest. *May be repeated for credit.*

FDNS 7200 - Advanced Nutrition- Macronutrients (3 Credit Hours)

An in-depth seminar of the key principles of cellular metabolism, nutritional, and clinical aspects of macronutrients. Major metabolic pathways and research findings are examined. The study includes the clinical applications of macronutrients in diseases. *May be repeated for credit up to 1 time.*

FDNS 7210 - Advanced Nutrition- Micronutrients (3 Credit Hours)

Biochemical and molecular aspects of vitamins and minerals; interrelationship of nutrients; principles of determining nutritional requirements of individuals and clinical applications. *May be repeated for credit up to 1 time.*

Prerequisite(s): FDNS7200 >= B

FDNS 7300 - Advanced Nutritional Status Assessment Techniques Lab (2 Credit Hours)

Provides in-depth hands-on training in nutrition status assessment; includes laboratory methods for collection and interpretation of physical, demographic, diet, anthropometric, biochemical and clinical data. *May be repeated for credit up to 1 time.*

Corequisite(s): CAHS 7100

Additional Course Fee: Nutrition Lab Fee - \$150 Flat Fee

FDNS 7350 - Nutrition for Older Adults (2 Credit Hours)

The study of the interrelationships between nutrition and aging and their impact on health and well-being. An in-depth discussion of concepts combining nutritional sciences and geriatrics. *May be repeated for credit up to 1 time.*

Prerequisite(s): CAHS7100 >= B

FDNS 7380 - Maternal, Infant, and Child Nutrition (2 Credit Hours)

A comprehensive study of factors affecting the nutritional status of pregnant women, infants, and children. Breastfeeding, current controversies and cultural practices will be examined. *May be repeated for credit up to 1 time.*

Corequisite(s): CAHS7100

FDNS 7400 - Advanced Medical Nutrition Therapy (4 Credit Hours)

The application of the Nutrition Care Process (NCP) and evidence-based practice to specific pathophysiological conditions - includes nutrition assessment, nutrition diagnosis, nutrition intervention, and nutrition monitoring and evaluation. Case studies and simulation will be used to integrate and apply to clinical nutrition.

Prerequisite(s): FDNS 7300 >= B and CAHS 7100 >= B; Corequisite(s): FDNS 7210 and CAHS 6501

FDNS 7500 - Obesity: Prevention, Treatment, and Management (2 Credit Hours)

A comprehensive analysis of the prevalence, etiology, and pathophysiology of obesity. Evidence-based treatment of the disease with an emphasis on lifestyle (nutrition and physical activity). *May be repeated for credit up to 1 time.*

Prerequisite(s): FDNS7400 >= B

FDNS 7650 - Food, Culture, and Sustainability (2 Credit Hours)

The course examines the health, economic, and environmental impacts of our current food system with an emphasis on local and global sustainable food system, including cultural and religious practices and its impact on food availability and accessibility. *May be repeated for credit up to 2 times.*

Prerequisite(s): FDNS7400 >= B

FDNS 7800 - Nutrition Independent Study (2 Credit Hours)

To develop the skill, knowledge, and areas of capstone project, which occurs outside the traditional

classroom/laboratory setting under the supervision of a faculty member. *May be repeated for credit up to 2 times.*

FDNS 7850 - Dietetic Internship (3 Credit Hours)

Course will provide didactic and experiential learning opportunities in the area of medical nutrition therapy, community nutrition, patient food service, and institutional management. Weekly didactic course content will support the experiential learning. *May be repeated for credit up to 6 times.*

FDNS 7900 - Nutritional Genomics (3 Credit Hours)

The course is an overview of the principles of genetics and explores diet-genome interaction. *May be repeated for credit up to 1 time.*

Prerequisite(s): FDNS7210 >= B and CAHS7100 >= B

FILM (FILM)

FILM 1100 - Film Appreciation (3 Credit Hours)

This course emphasizes the historical, cultural, commercial, and aesthetic contexts that influence film. The course also develops the student's understanding of a film's narrative and visual structure and its place within established theoretical traditions.

FILM 2000 - The Art of Film (3 Credit Hours)

This recommended gateway course introduces students to multifarious approaches, practices, protocols, and theories related to film production. This course emphasizes classical tenets and their creative outcomes, preparing students for the filmmaking process.

FILM 3010 - Screenwriting (3 Credit Hours)

This course examines the craft and development of short-form and/or feature-length screenplays.

FILM 3030 - Cinematography (3 Credit Hours)

This course provides an overview of the art and craft of motion picture photography. Students will learn cinematographer's essential principles, practices, and protocols, and how choices in the application affect creative outcomes, in a hands-on environment.

FILM 4000 - Short Film Production (3 Credit Hours)

The Certificate in Film culminates in this required course that finds committed students synthesizing their acquired skills into a substantive, fully-realized documentary or narrative film production.

Prerequisite(s): FILM2000 >= C and FILM3010 >= C and COMM 3020 >= C and FILM3030 >= C

FILM 1100H- Honors: Film Appreciation (3 Credit Hours)

This course emphasizes the historical, cultural, commercial, and aesthetic contexts that influence film. The course also develops the student's understanding of a film's narrative and visual structure and its place within established theoretical traditions. This is an Honors Course.

FINANCE (FINC)

FINC 1410 - Personal Finance (3 Credit Hours)

Provides individuals with the tools necessary to manage their personal financial affairs. Topics covered include budgeting, debt management, investments, insurance, taxes, and real estate. This course may not be used to fulfill major requirements for business.

FINC 3400 - Corporate Finance (3 Credit Hours)

This course deals with the fundamental tools of financial management: financial statement analysis, the

time value of money, risk and return measurement, valuation of financial assets, capital budgeting decisions and cost of capital.

Prerequisite(s): ACCT2101 >= C

FINC 3405 - Financial Planning (3 Credit Hours)

This course is designed to introduce the theory and practice of personal financial planning. The course coverage includes an overview of the financial planning process including insurance, education funding, cash management and budgeting, retirement, investment and tax planning.

FINC 3410 - Risk Management (3 Credit Hours)

This course gives the student an understanding of pure risk, the nature of risk management, the role of risk managers, and the various tools of risk management with major emphasis on insurance.

FINC 3420 - Real Estate (3 Credit Hours)

A fundamental coverage of real property rights and interests, mortgage financing, taxation, leasing and settlement. Course provides information for the consumer and/or investor on how to select, finance and manage real property.

FINC 3421 - Investments (3 Credit Hours)

Introduces the various securities traded in the financial markets, investment theory and practice, portfolio construction and management, and investment strategies and tactics. Coverage includes risk and return, and financial and capital markets, and an introduction to various securities including equities, index funds, ETFs, corporate bonds, and government bonds.

Prerequisite(s): FINC 3400 >= C

FINC 4410 - Advanced Corporate Finance (3 Credit Hours)

This course is designed to further both theoretical and practical applications of corporate finance.

Substantial emphasis will be placed on capital budgeting, cost of capital, capital structure, dividend policy, and financial planning.

Prerequisite(s): (FINC3400 >= C or FIN315 >= C)

FINC 4420 - Financial Markets and Institutions (3 Credit Hours)

This course explores the role of financial markets and institutions in the economy. Topics include money and capital markets, the role of the Federal Reserve and the function and operating characteristics of financial institutions.

FINC 4430 - Advanced Investments (3 Credit Hours)

Expands the breadth and depth of investment theory and practice coverage. Topics include: modern portfolio theory, portfolio management, duration, inflation indexed securities, terminal wealth analysis, options, fundamental and technical analysis, and asset valuation.

Prerequisite(s): FINC 3400 >= C

FINC 4450 - Case Studies in Finance (3 Credit Hours)

This course is designed to provide the student with an understanding of the role of finance in managerial decision making. Cases and/or supplemental readings are used to apply financial concepts.

Prerequisite(s): FINC4410 >= C and FINC4421 >= C

FINC 4460 - Employee Benefits and Retirement Plans (3 Credit Hours)

A strong and rigorous foundation in retirement planning and employee benefits to begin preparation for the CFP Exam and for a career as a professional financial planner. More specifically, an overview of retirement planning needs, products, retirement plans, tools, and strategies used by financial professionals to help individuals, families, and companies (e.g., most commonly small business owners) choose and implement an effective retirement planning strategy. Student performance is assessed through exams, assignments, and projects in a variety of formats including written, verbal, visual,

software/Excel analysis, and multiple choice/true false assessments.

Prerequisite(s): ACCT 3331 >=C and FINC 3405 >=C and FINC 3421 >=C

FINC 4470 - Estate Planning (3 Credit Hours)

The application of estate planning methodologies and policies to personal financial planning. Emphasis is placed on developing skills required of a financial professional in advising clients regarding the importance of estate planning, the consequences of failure to plan, and techniques available to achieve the client's estate planning goals.

FINC 4950 - Selected Topics in Finance (3 Credit Hours)

A course and/or directed study of a major issue, practice, or problem in the area of finance. Content to be decided based on needs and professional objectives of students and the experience and availability of faculty. *May be repeated for credit.*

FINC 6400 - Managerial Finance (3 Credit Hours)

This course is designed to provide the student with an understanding of the role of finance in managerial decision making. Cases and/or supplemental readings are used to apply financial concepts.

FILM AND THEATRE (FITH)

FITH 2000 - Approaches to Acting (3 Credit Hours)

An introduction to the craft of the actor, including training in voice, movement, emotional sensitivity, improvisation, and scene study.

FITH 2001 - The Art of Film (3 Credit Hours)

This recommended gateway course introduces students to multifarious approaches, practices, protocols, and theories related to film production. This course emphasizes classical tenets and their creative outcomes, preparing students for the filmmaking process.

FITH 2010 - Performance Composition (3 Credit Hours)

An introduction to composing and performing original texts for the stage.

FITH 3000 - Voice and Movement (3 Credit Hours)

This course helps students develop advanced performance skills in voice and movement, including breathing, kinesthetic awareness, vocal placement and resonance, physical performance, and integration of vocal and physical elements of performance.

FITH 3001 - History of Performance I (3 Credit Hours)

This course provides a survey of a particular era or event in theater and/or performance history.

FITH 3002 - History of Performance II (3 Credit Hours)

This course provides a survey of significant developments, movements, artists, and genres in visual storytelling with emphasis on cinema.

FITH 3010 - Writing for the Stage (3 Credit Hours)

This course examines the craft and development of writing for live performance. Students are immersed in a workshop environment to produce a performance-based script.

FITH 3011 - Screenwriting (3 Credit Hours)

This course examines the craft and development of writing for the screen. Students are immersed in a workshop environment to produce short- and long-form narrative screenplays.

FITH 3020 - Directing for the Stage (3 Credit Hours)

This course explores the theory and practice of directing diverse texts for the stage.

FITH 3021 - Directing for Film (3 Credit Hours)

This hands-on production course explores the styles, techniques, and strategies essential to film direction. This course will advance understanding of how the specifics of camera placement, narrative point of view, and communication with actors contribute to successfully achieving a director's storytelling goals.

Prerequisite(s): FITH2001 >= C

FITH 3030 - Cinematography (3 Credit Hours)

This hands-on course introduces students to the art and craft of motion picture photography. Students explore the essential principles, tools, and practices of cinematography, including how choices in their application affect creative outcomes.

FITH 3101 - Performance Practicum (1 to 3 Credit Hours)

Students participate as performers in a university theatre or film production. May be repeated. *May be repeated for credit up to 8 times.*

FITH 3102 - Production Practicum (1 to 3 Credit Hours)

Students participate in the backstage/technical aspects of a university theatre or film production. May be repeated. *May be repeated for credit up to 8 times.*

FITH 3200 - Place and Context (3 Credit Hours)

This hands-on course explores theoretical, practical, and technical elements of production design and scenography. Students learn how to build and arrange spaces to enhance the efficacy of visual storytelling.

FITH 3300 - Combat for Stage and Screen (3 Credit Hours)

An introduction to single sword and unarmed combat for performance.

FITH 4000 - Theory and Practice (3 Credit Hours)

This course entails advanced study of theories and practitioners of film, theatre, or performance. Students learn the methodologies of various practitioners and apply those to their own creative work.

FITH 4150 - Performance Art (3 Credit Hours)

This course explores the history, theory, criticism, and practice of contemporary performance art. Students are challenged to experiment with alternative approaches to performance and expression.

FITH 4500 - Short Film Production (3 Credit Hours)

In this course, students synthesize their acquired skills into a substantive, fully-realized documentary or narrative film production for public presentation or exhibition.

Prerequisite(s): FITH2001 >= C and FITH3011 >= C and COMM 3320 >= C and FITH3030 >= C

FITH 4510 - Feature Film Production (3 Credit Hours)

This hands-on production course immerses students in the pre-production, production, and post-production processes of feature film production. Working with a pre-existing script or pre-developed concept, students will work collaboratively in a number of capacities to realize a long-form narrative or documentary film.

Prerequisite(s): FITH2001 >= C and FITH3001 >= C and FITH3030 >= C and COMM 3320 >= C

FITH 4520 - Music Video Production (3 Credit Hours)

This hands-on production course immerses students in the pre-production, production, and post-

production processes of producing music videos. Students will work collaboratively to deliver substantive and polished promotional films for established or emerging recording artists.
Prerequisite(s): FITH3030 >= C and (COMM 3320 >= C or FILM3030 >= C)

FITH 4530 - Experimental Film Production (3 Credit Hours)

This hands-on production course challenges students to develop and produce non-traditional film narratives from personal points of view. Beginning with a statement of intent, students will develop a personal film utilizing multifarious techniques in the manipulation of sound and image to deliver their intended message.

Prerequisite(s): FITH3030 >= C and (COMM 3320 >= C or COMM 3030 >= C)

FITH 4600 - Research in Performance (3 Credit Hours)

This course immerses students in theatre and performance research and creative scholarship. Students develop and produce a theatre performance project for public presentation or exhibition.

Prerequisite(s): FITH3000 >= C and (FITH3010 >= C or FITH3020 >= C)

FITH 4610 - Advanced Acting Styles (3 Credit Hours)

This course enables students to gain advanced practice in selected approaches to acting.

Prerequisite(s): FITH2000 >= C

FITH 4620 - Place, Performance, and Authenticity (3 Credit Hours)

Students conduct a performance-centered study of place and its influence on identity and culture.

FITH 4630 - Visual Culture as Performance (3 Credit Hours)

This course challenges students to apply performance theory and practice to visual culture (e.g. objects, imagery, spaces, cultural artifacts). Students learn to understand visual culture as performative.

FITH 4800 - Creative Expression through Multiple Media (3 Credit Hours)

This course challenges students to communicate effectively through film and stage, with emphasis on adaptation of creative vision for particular media. The course culminates in a public showcase of student work.

Prerequisite(s): (FITH4500 >= C or FITH4600 >= C)

FITH 4920 - Study Abroad: Topics in International Film and Theatre (3 Credit Hours)

In this course, students conduct research and travel abroad to examine and experience significant aspects of international film, theatre, or performance. Activities may include visits to significant locations, practitioners, festivals, and/or archives associated with film and theatre outside of the United States. *May be repeated for credit up to 3 times.*

FITH 4950 - Special Topics (3 Credit Hours)

Students will engage in advanced study of a particular topic in cinema, theatre, and/or performance studies. *May be repeated for credit up to 3 times.*

FITH 4960 - Internship (3 Credit Hours)

Internship hours with an employer or community organization in a role that requires practice in interpersonal communication, collaboration, and presentation skills, as well as creative or technical skills that complement the learning outcomes of the BFA in Film and Theatre. A maximum of 3 hours of internship credit may be counted toward fulfillment of the degree.

FAMILY PRACTICE (FMPC)

FMPC 5000 - Basic Clerkship Family Medicine (18 Credit Hours)

Prerequisite: Successful completion of Preclerkship curriculum. This six week clerkship is a supervised experience in the evaluation and management of patients seen primarily in the ambulatory family medicine practice setting. Many of the patients have undifferentiated health problems. Evaluation and management of health problems are emphasized. Students may draw assignments at various practices throughout the state and the following Georgia Family Medicine Residency Programs: Medical College of Georgia, Atrium Health Floyd, Piedmont Columbus Regional, Phoebe Putney, Wellstar Kennestone, Wellstar Douglas

FMPC 5003 - Family Medicine Sub-I (12 Credit Hours)

The student may choose from Preceptors in various communities across the state who have agreed to assist in medical student teaching. These Preceptors, who have been screened by the Joint Board of Family Practice, have undergone training for their teaching roles. This elective provides the student with a supervised experience in the evaluation and management of patients with undifferentiated clinical problems encountered in the practice of Family Medicine. The student will participate in the office practice, hospital rounds, house calls, emergency room visits, and selected community activities. (Participation in the elective must be arranged and approved by the Department of Family Medicine; contact Medical Student Coordinator, Ext. 4075.)

FMPC 5007 - Family Medicine Off-Campus Externship (4 to 8 Credit Hours)

This elective with the Family Practice Residency Training Program of the Floyd Medical Center in Rome, Georgia, provides the student with clinical experience in both ambulatory and inpatient settings of Family Practice. Concepts of comprehensive and longitudinal healthcare are emphasized. In addition to the clinical exposure, students also participate in daily group and individual teaching sessions. Prerequisite: Completion of Core Curriculum. *May be repeated for credit up to 3 times.*
Grade Mode: Satisfactory/Unsatisfactory

FMPC 5008 - Family Medicine Externship (4 to 8 Credit Hours)

Prerequisite: Core Curriculum. The student will develop the skills necessary to function as a successful extern in the inpatient and ambulatory setting of family medicine.

FMPC 5009 - Family Medicine Research (4 to 8 Credit Hours)

Prerequisite: Core Curriculum. This elective at the Family Practice Residency Training Program of the Memorial Medical Center in Savannah, Georgia, provides the student with clinical experience in both ambulatory and inpatient settings of Family Medicine. In addition to the clinical exposure, the student also participates in daily group and individual teaching sessions. The student also participates in the provision of longitudinal and comprehensive healthcare.

FMPC 5015 - Primary Care Sports Medicine (4 to 8 Credit Hours)

The primary care sport medicine elective is a clinical rotation for students interested in sports medicine. Through this rotation the student will be exposed to the wide range of sports medicine problems managed by a family practice sports medicine physician. The student will receive clinical experience in the Sports Medicine Clinic at MCG as well as participating in the field-side medical coverage of various sporting events in the community. Following this rotation the student should be able to perform a thorough musculoskeletal physical examination and be familiar with the management of common sports medicine injuries. The student will be evaluated on their ability to perform the musculoskeletal examination and their evaluation of patients during the rotation. (Participation in this elective must be arranged through and approved by the Department of Family Medicine Student Curriculum Coordinator, ext. 4075.)

FMPC 5017 - Rural Family Medicine (4 to 8 Credit Hours)

Family medicine, or family practice, is a medical specialty devoted to comprehensive health care for people of all ages. With the broadest scope of all specialties, family physicians have more office visits and

practice in more settings than physicians in any other specialty. As a primary care physician in Nashville, Georgia, Dr. O'Kane cares for patients of all demographics and all ages where each patient is unique and the rural setting can have its own challenges. As the student on this elective you will work one on one with Dr. O'Kane and her staff. You will see the patients, take the history, do the exam, discuss the patient and assist in the care management. There may be times when you could be called on to draw blood, give shots, and take vitals. You will be expected to be with the office team every working day and accompany Dr. O'Kane if out of clinic visits are needed for her patients. The SGMC Berrien Health Campus has been a part of the Nashville, GA community since 1965. The hospital has 51 acute care beds and 12 geriatric/psychiatric beds to serve the Berrien County region. The hospital provides general medical for inpatient, outpatient, and emergency room services. On occasion patients may be admitted there, however Dr. O'Kane does not normally see them while they are inpatients. *May be repeated for credit up to 2 times.*

FMPC 5018 - Vulnerable Populations Elective (4 to 8 Credit Hours)

Provides students with an understanding of the problems facing the homeless population and their healthcare.

FMPC 5019 - Family Medicine Procedures (4 to 8 Credit Hours)

Prerequisite: Successful completion of Core Rotations. This is a clinical elective offered in the Department of family Medicine at MCG with special emphasis on procedural medicine. This rotation is designed for medical students with an interest in Family Medicine and a desire to learn more about procedures commonly performed by family physicians. Students will be assigned on half day clinic per week in each of the following: flexible sigmoidoscopy, upper endoscopy, minor surgery, treadmill evaluations and osteopathic manipulations. Remaining time will be spent evaluations patients in the Family Medicine Center. (Participation in this elective must be approved by the Department of Family Medicine, MCG.)

FMPC 5020 - Health Policy and Advocacy (4 to 8 Credit Hours)

An introduction to the field of primary care sports medicine. Activities include hands on responsibility for the evaluation and continuing care of patients with sports medicine related injuries and conditions in the sports medicine clinic and training room settings. Students are closely supervised by our sports medicine staff that is fellowship trained and hold Certificates of Advanced Qualifications in Sports Medicine.

Throughout the school year, there are opportunities for students to participate in local high school and college event coverage. They also participate in weekly sports medicine journal club meetings and have an opportunity to interact with orthopedic surgeons, physical therapists, and athletic trainers with sports medicine expertise. Objectives of the course: 1. To introduce the student to the field of primary sports medicine. 2. To provide the student a clinical experience in Sports Medicine. 3. To provide the student with an appreciation of the broad scope of problems commonly managed by primary care sports medicine physicians and the clinical and procedural skills involved. 4. To become familiar with the utilization of consultants in the management of certain sports medicine related injuries and conditions. 5. To gain a better understanding of the role of the primary care sports medicine physician as part of the multidisciplinary team that provides care to athletes. 6. To provide an opportunity for the student to explore their own interest in primary care sports medicine through direct observation and participation during the rotation. 7. Additional objectives may be added depending on the particular needs and desires of the student.

FMPC 5022 - Georgia War Geriatrics and Palliative Care Elective (8 Credit Hours)

This enrichment phase elective, located at the Georgia War Veterans Nursing Home (GWVNH) in Augusta, Georgia, consists of direct clinical care of Georgia veterans under the supervision of the GWVNH clinical director in coordination with assigned residents, student peers and interdisciplinary learners. Activities include interdisciplinary service through clinical care and performance of comprehensive geriatric assessments of new admissions, participation in daily rounds with the medical team, attendance at Family Medicine morning reports and other structured learning opportunities as time permits, completion of assigned readings, and presentation of a geriatrics or palliative care topic to the medical team and nursing staff.

FMPC 5999 - Basic Clerkship Remediation in Family Medicine (1 Credit Hour)

Remediation of the Basic Core Clerkship in Family Medicine.

Prerequisite(s): FMPC 5000

FMPC 6000 - Population Health/Business in Medicine (4 to 8 Credit Hours)

Students will rotate with the AU population health department in order to gain an understanding of the new models of health care. This will be an interdisciplinary four-week elective during the fourth year of medical school. Medical students will work with the population health team, pharmacy students, Nursing/DNP students, Physician Assistant (PA) students and other members of the healthcare team. The goal of the four-week elective would be for the students to identify and solve real problems facing hospitals and clinics today. Students will understand why the payment structure for healthcare is shifting from fee for service to pay for performance or Value Based Care. Students will understand and be able to explain key terms such as Population Health, Per Member Per Month (PMPM), Shares Savings, Hospital Value-Based Purchasing Program (VBP), Pay for Performance (P4P), and the Medicare Access Chip Reauthorization Act of 2015 (MACRA) or the Quality Payment Program (QPP). The students will gain a deeper understanding of the transformation of healthcare to meet the Quadruple Aim of the Institute of Healthcare Improvement (IHI), which is improving the patient experience of care, improving the health of populations, reducing the per capita cost of health care, and improving healthcare wellness. *May be repeated for credit up to 1 time.*

FMPC 6001 - Bioethics Scholarly Activity (7 Credit Hours)

This course will provide bioethics graduate certificate candidates with a practical experience in learning and practicing bioethics. Students will read sentinel papers from the primary literature in bioethics, discuss clinical cases with ethical dilemmas in small groups, participate in ethics consults and end of life conversations with consultants and teach learned ethical topics to fellow students. *May be repeated for credit up to 2 times.*

Prerequisite(s): PHIL 5004

FMPC 6002 - Bioethics Capstone Course (3 Credit Hours)

This course will provide bioethics graduate certificate candidates the opportunity to present their completed research at a regional bioethics conference. Students will attend the two day annual Georgia Healthcare Ethics Consortium at Emory University in the spring of the academic year. They will go as attendees, and will present their completed research at the annual bioethics research poster competition.

Prerequisite(s): PHIL 5004

FMPC 6003 - Bioethics Practicum (7 Credit Hours)

This course will provide bioethics graduate certificate candidates with a practical experience in learning and practicing bioethics. Students will read sentinel papers from the primary literature in bioethics, discuss clinical cases with ethical dilemmas in small groups, participate in ethics consults and end of life conversations with consultants and teach learned ethical topics to fellow students. *May be repeated for credit up to 2 times.*

FMPC 6004 - Food As Medicine: Addressing Diet-Related Illnesses Affected by Poverty (4 to 8 Credit Hours)

Students gain a first-hand understanding of the barriers to health - especially as they influence diet - in an impoverished urban neighborhood. Attend nutrition education lectures, help conduct and attend nutrition-based cooking classes with a professional chef during the month, attend a bariatric information session with a health psychologist, work with members of the American Culinary Federation and the Augusta District Dietetic Association, and conduct a home-based study of one or two families to analyze the connections between poverty and diet-related illnesses.

FMPC 6599 - M4 Student Chief (8 Credit Hours)

Provides peer support to M3 students transitioning into the Family Medicine Primary Care clerkship.

Student Chiefs orient M3 students to expectations of the FMPC clerkship and student roles. The chiefs are expected to be available to the M3 students on the FMPC rotation for support with knowledge and skills required in the clerkship. Students interested in being a Student Chief need to apply and are selected by the faculty. Students selected to be chiefs must attend a training session during the first week of the rotation. This elective is available for Rotation 1 and 2 only. *May be repeated for credit up to 1 time.*
Prerequisite(s): FMPC 5000 >= B

FRENCH (FREN)

FREN 1001 - Elementary French I (3 Credit Hours)

Fundamentals of listening, speaking, reading, and writing French in a proficiency-based classroom. Introduction to French-speaking cultures. Designed for students who have never studied French. Not open to native speakers. Heritage speakers and students who had French in high school should take the placement exam. Students must earn a C or better in order to take French 1002.

FREN 1002 - Elementary French II (3 Credit Hours)

A continuation of French 1001. Not open to native speakers. Heritage speakers and students who had French in high school should take the placement exam. Students must earn a C or better in order to take French 2001.

Prerequisite(s): FREN1001 >= C

FREN 2001 - Intermediate French I (3 Credit Hours)

This proficiency-centered course is designed to build on high school French or on FREN 1002. More emphasis will be placed on listening, speaking, and reading skills in practical situations. Students will learn how to "get around" in places where French is spoken natively. Not open to native speakers. Heritage speakers should take the placement exam.

Prerequisite(s): FREN1002 >= C

FREN 2002 - Intermediate French II (3 Credit Hours)

This proficiency-centered course includes a grammar review and more intensive work in listening comprehension, speaking, and reading, with more emphasis on writing than in FREN 2001. French-speaking cultures will be studied through music, art, film, literary and cultural readings, including current events. At the end of this course, students should have a basic competence in French. Students who wish to take upper-division courses in French will need to demonstrate sufficient proficiency as determined by the world language faculty before enrolling in major/minor courses. Not open to native speakers. Heritage speakers should take the placement exam. Students must earn a C or better in order to take classes at the 3000/4000 level.

Prerequisite(s): FREN2001 >= C

FREN 2950 - Studies in Francophone Culture (3 Credit Hours)

A variable content course taught in English that will center on one Francophone country or area, or a specific issue dealing with Francophone culture. Counts towards the Field of Study courses for the French major. *May be repeated for credit up to 1 time.*

FREN 3100 - Oral Expression in French (3 Credit Hours)

An intensive course in which students will learn strategies for communication on levels from conversing in everyday practical situations to discussing opinions on politics, culture, and the arts. May not be taken by native speakers of French.

Prerequisite(s): FREN2002 >= C

FREN 3210 - Studies of Culture in French-Speaking World (3 Credit Hours)

Studies of culture in French-speaking world. May include multicultural approaches, food, fashion, travel, and music.

Prerequisite(s): FREN2002 >= C

FREN 3221 - Studies of Culture in France: Hexagon (3 Credit Hours)

Historical overview of France emphasizing great moments in French history and the arts; a course designed in part to prepare students to visit French cathedrals, chateaux, monasteries, museums, and other historical and cultural sites of France. Paris will be highlighted. May include themes such as Black Paris, food, fashion, cultural travel and music.

Prerequisite(s): FREN2002 >= C

FREN 3300 - Written Expression in French (3 Credit Hours)

An intensive course in which students will learn strategies for written communication on numerous levels and in varied styles: compositions based on personal topics, current events, literary readings; styles range from email messages, letters, creative writing, imitation of stylistic models. Course includes advanced grammar and stylistics. May include gamification and / or simulations (experiential learning).

Prerequisite(s): FREN2002 >= C

FREN 3400 - French Phonetics (3 Credit Hours)

Students study the articulatory features of speech production of Modern Standard French, and ways of correcting and enhancing oral production. The course includes basic linguistic terminology of articulatory phonetics such as prosody, intonation and the bases of descriptive phonetics. Study includes learning the International Phonetic Alphabet (IPA), phonetic transcription and the reading aloud of short French passages. Designed for non-native speakers.

Prerequisite(s): FREN2002 >= C

FREN 3510 - Introduction to French Literature (3 Credit Hours)

An introduction to literary reading and analysis. Readings of various authors, genres (including prose/graphic novel, theatre and poetry), and time periods.

Prerequisite(s): FREN2002 >= C

FREN 3620 - French for Health and Medical Professions (3 Credit Hours)

This is a course for French students desiring to expand their French knowledge in the field of medicine and health. It will provide oral and written opportunities to practice an active vocabulary in health-related situations. Emphasis on the development of oral, listening, reading and writing skills.

Prerequisite(s): FREN2002 >= C

FREN 3710 - French Cinema (3 Credit Hours)

Studies in contemporary, popular, and classical French and Francophone film using multicultural films, cinematic analysis and cultural / historical contexts.

Prerequisite(s): FREN2002 >= C

FREN 4100 - Advanced Oral Expression (3 Credit Hours)

An intensive, advanced course in which students will use strategies for communication on levels from conversing in everyday practical situations to discussing opinions on politics, culture, and the arts. May not be taken by native speakers of French.

Prerequisite(s): FREN2002 >= C

FREN 4300 - Advanced Written Expression (3 Credit Hours)

An intensive course at an advanced level in which students will learn strategies for written communication on numerous levels and in varied styles: compositions based on personal topics, current events, literary readings; styles range from email messages, letters, creative writing, imitation of stylistic models. May include gamification and / or simulations (experiential learning).

Prerequisite(s): FREN2002 >= C

FREN 4560 - The Novel in French (3 Credit Hours)

Literary analysis of French novels. May include graphic novel and / or autobiography as its focus.

Prerequisite(s): FREN2002 >= C

FREN 4590 - Literature in Translation (3 Credit Hours)

Special course, with varying content, cross-listed with Humanities, English and/or other languages.

Readings of major French literary works in English translation; classroom discussions and writing assignments also in English. French majors may take no more than two courses in translation for major credit. *May be repeated for credit up to 1 time.*

Prerequisite(s): (HUMN2002 >= C or HUMN2002H >= C or HUM222 >= C)

FREN 4801 - Methods and Materials for Teaching World Language I (2 Credit Hours)

Methods and materials for listening, speaking, reading, writing, and cultural activities appropriate for world language learners. First and second language acquisition theories, a review of world language teaching methods, testing procedures and teacher preparation and evaluation. A field experience of 25 clock hours is a required component of the course.

ENGL 4801/FREN4801/SPAN4801 are equivalent courses; a student may only receive credit for one.

FREN 4802 - Methods and Materials for Teaching World Language II (2 Credit Hours)

Methods and materials for listening, speaking, reading, writing, and cultural activities appropriate for world language learners. Advanced instruction in first and second language acquisition theories, a review of world language teaching methods, testing procedures and teacher preparation and evaluation. A field experience of 25 clock hours is a required component of the course. ENGL 4802/FREN 4802/SPAN 4802 are equivalent courses; a student may only receive credit for one.

FREN 4950 - Selected Topics in French (3 Credit Hours)

Various themes, for instance, monsters in French literature, contemporary french and francophone autobiography; short story; and graphic novel, etc. Questions involving identity, trauma, crisis, and social justice and other topics possible. Sometimes offered in translation for non-French majors. French majors required in that case to do written assignments in French. *May be repeated for credit.*

Prerequisite(s): FREN2002 >= C

FREN 6560 - The Novel in French (3 Credit Hours)

Literary analysis of French novels. May include graphic novel and / or autobiography as its focus.

FREN 6801 - Methods and Materials for Teaching World Languages I (3 Credit Hours)

Methods and materials for listening, speaking, reading, writing, and cultural activities appropriate for elementary and middle school learners. First and second language acquisition theories, a review of world language teaching methods, testing procedures, and teacher preparation and evaluation. A field experience of 45 clock hours is a required component of the class.

Cross-Listed Course(s): SPAN 6801

FREN 6802 - Methods and Materials for Teaching World Languages II (3 Credit Hours)

Methods and materials for listening, speaking, reading, writing, and cultural activities appropriate for secondary learners. First and second language acquisition theories, a review of world language teaching methods, testing procedures, and teacher preparation and evaluation. A field experience of 45 clock hours is a required component of the class.

Cross-Listed Course(s): SPAN 6802

FREN 6950 - Selected Topics in French (3 Credit Hours)

Various themes including monsters in French literature, contemporary French and francophone autobiography. Various forms as well, including short story and graphic novel, etc. Questions involving identity, trauma, crisis, and social justice and other topics possible. Sometimes offered in translation for non-French majors. French majors required in that case to do written assignments in French. *May be repeated for credit.*

GENERAL DENTISTRY LICENSURE IN GEORGIA (GADL)
GADL 5902 - General Dentistry in Licensure in Georgia Part 2 (1 Credit Hour)

This course is designed to prepare students for the clinical portion of the national dental licensure examination (CRDTS) that is required for the Georgia Dental License. The course includes seven credit hours of lecture, and 12 hours of clinic. A clinical exam analogous to the patient-based CRDTS operative and periodontal exam is given for both the composite and amalgam operative dentistry section and the periodontal section. The patient-based periodontal exam is administered by the periodontics faculty on an individual basis for each student using students' assigned patients in the senior clinic. *May be repeated for credit.*

GENERAL DENTISTRY – BIOCLINICAL (GDBC)
GDBC 5706 - Bioclinical Seminar VI (2 Credit Hours)

Clinical case histories and reports appropriate to the biomedical and clinical science courses currently or previously taught, and correlated to the students' level of clinical expertise, will be provided to the class. One group will present a case study to the rest of the class, followed by a class discussion session. Faculty moderators will be present for the entire seminar. *May be repeated for credit up to 2 times.*

GDBC 5807 - Bioclinical Seminar VII (2 Credit Hours)

Clinical case histories and reports appropriate to the biomedical and clinical science courses currently or previously taught, and correlated to the students' level of clinical expertise, will be provided to the class. One group will present a case study to the rest of the class, followed by a class discussion session. Faculty moderators will be present for the entire seminar. *May be repeated for credit up to 2 times.*

GENERAL DENTISTRY – BIOCLINICAL SEMINARS (GDBS)

GENERAL DENTISTRY - COMPREHENSIVE CARE (GDCC)
GDCC 5791 - Comprehensive Care Clinic I (13 Credit Hours)

This course is scheduled during the fall semester of the D4 year. It is designed to equip the student with the necessary skills and knowledge to deliver comprehensive care and be competent in all aspects of general dentistry. It is intended to allow the student the opportunity to complete the needed experiences in order to challenge competency examinations which assess the ability of the student to make independent clinical decisions. *May be repeated for credit up to 2 times.*

GDCC 5892 - Comprehensive Care Clinic II (11 Credit Hours)

This course is scheduled during the spring semester of the senior year. It is designed to equip the student with the necessary skills and knowledge to deliver comprehensive care and be competent in all aspects of general dentistry. It is intended to allow the student the opportunity to complete the needed experiences in order to challenge competency examinations which assess the ability of the student to make independent clinical decisions. *May be repeated for credit up to 2 times.*

GENERAL DENTISTRY - LICENSURE (GDDL)

GDDL 5791 – Georgia Dental Licensure I (1 Credit Hour)

This course prepares students for the national dental examination that is required for the Georgia Dental License. It is specifically focused on the manikin portion that covers endodontics and prosthodontics. The major objective of this course is to facilitate students in preparation for the manikin-based examination.

May be repeated for credit up to 2 times.

GDDL 5892 - Georgia Dental Licensure II (1 Credit Hour)

This course prepares students for the regional dental licensure examination that is required for the Georgia Dental License. Georgia Dental Rules and Laws, and the Georgia Dental Practice Act will be addressed. Note: This document is the best estimate of what will be scheduled to help prepare students for the examination. However, licensing boards and examination agencies can make last minute changes in the examination format. All involved departments will assess aspects of the currently available examination materials and grading models. Course changes may be made to help prepare the students for the exam. *May be repeated for credit up to 2 times.*

GENERAL DENTISTRY - PREDOCTORAL (GDEN)

GDEN 5901 - Honors Esthetic and Implants Dentistry I (4 Credit Hours)

This is an elective, honors course that provides qualified students the opportunity to learn how to treatment plan more advanced and complex prosthodontic cases as a complement to their clinical curriculum in Comprehensive Care (CMPC5901). The course includes a variety of learning experiences for students interested in expanding their knowledge in areas such as diagnostics and treatment planning, case analysis, literature review, CAD/CAM and guided surgery. It is designed to give dental students a more solid foundation to apply for postgraduate residency programs or to increase their clinical experiences. The course consists in treatment planning seminars, Cone Beam interpretation, interdisciplinary care, CAD/CAM laboratory procedures, guided surgery, and participation in elective research.

Prerequisite(s): CMPC5901 >= B and IMPL5001 >= B

GDEN 5902 - Honors Esthetic and Implants Dentistry II (2 Credit Hours)

This is an elective, honors course that provides qualified students the opportunity to learn how to treatment plan more advanced and complex prosthodontic cases as a complement to their clinical curriculum in Comprehensive Care (CMPC5901). The course includes a variety of learning experiences for students interested in expanding their knowledge in areas such as diagnostics and treatment planning, case analysis, literature review, CAD/CAM and guided surgery. It is designed to give dental students a more solid foundation to apply for postgraduate residency programs or to increase their clinical experiences. The course consists in treatment planning seminars, Cone Beam interpretation, interdisciplinary care, CAD/CAM laboratory procedures, guided surgery, and participation in elective research.

Prerequisite(s): GDEN5901 >= C

GENERAL DENTISTRY – TREATMENT SOLUTIONS (GDTS)

GDTS 5701 - Indications-Based Treatment Solutions Seminar I (1 Credit Hour)

As part of your senior comprehensive care experience, you will have the unique opportunity to learn from world class clinicians through a new innovative lecture/participation series, Indication-Based Treatment Solution Seminar Series. This series of lectures will help expand your knowledge base and treatment planning skills from recognized experts in their respective fields. During group seminar/treatment planning sessions, master clinicians and technicians will be invited to present clinical experiences in their field of expertise and to lead IBTS seminars to discuss evidence-based treatment options. Prior to the seminars,

students will have worked in small groups to analyze an implant/esthetic scenario and synthesize a treatment plan to be presented and then critiqued by the expert presenter. This course is complementary to OMD 5006, Senior Comprehensive Care Portfolio Series, in which you will use treatment planning concepts learned in this course to treat and document esthetic dentistry treatment on your own patients. Educational programs will include: - Diagnostic/treatment planning systems - All-ceramic crowns - Laminates - Fixed partial dentures - Implant systems *May be repeated for credit up to 2 times.*

GDTs 5802 - Indications-Based Treatment Solutions Seminar II (1 Credit Hour)

As part of your senior comprehensive care experience, you will have the unique opportunity to learn from world class clinicians through a new innovative lecture/participation series, Indication-Based Treatment Solution Seminar Series. This series of lectures will help expand your knowledge base and treatment planning skills from recognized experts in their respective fields. During group seminar/treatment planning sessions, master clinicians and technicians will be invited to present clinical experiences in their field of expertise and to lead IBTS seminars to discuss evidence-based treatment options. Prior to the seminars, students will have worked in small groups to analyze an implant/esthetic scenario and synthesize a treatment plan to be presented and then critiqued by the expert presenter. This course is complementary to OMD 5006, Senior Comprehensive Care Portfolio Series, in which you will use treatment planning concepts learned in this course to treat and document esthetic dentistry treatment on your own patients. Educational programs will include: - Diagnostic/treatment planning systems - All-ceramic crowns - Laminates - Fixed partial dentures - Implant systems *May be repeated for credit up to 2 times.*

GEOGRAPHY (GEOG)

GEOG 1111 - World Geography (3 Credit Hours)

A study of the world and its topography, political divisions, cultural development, cultural spheres, geographic spheres, and climatic regions; as well as cartography, geology, physics, and astronomy, as they pertain to the earth.

GEOG 1112 - Introduction to Weather and Climate (4 Credit Hours)

Atmospheric composition and structure, clouds, precipitation, atmospheric motion and winds. Organized weather systems, including air masses, fronts and severe weather. Discussion of global climates includes circulation, wind systems and climate classification.

Prerequisite(s): (MATH 1001 $\geq$ D or MATH 1111 $\geq$ D or MATH 1101 $\geq$ D or MATH 1113 $\geq$ D) or MATH 1113 $\geq$ D

Additional Course Fee: Physics/Biophysics Lab Fee - \$50 Flat Fee

GEOLOGY (GEOL)

GEOL 1121 - Introductory Geosciences I: Physical Geology (4 Credit Hours)

The study of minerals and rocks; fundamentals of earth structure and processes including vulcanism, mountain-building, erosion, sedimentation and metamorphism. Laboratory includes study of common minerals and rocks, and interpretation of geologic maps and cross-sections. Prerequisite(s):

Recommended but not required: MATH 1001 or MATH 1111.

Additional Course Fee: Physics/Biophysics Lab Fee - \$50 Flat Fee

GEOL 1122 - Introductory Geosciences II: Historical Geology (4 Credit Hours)

A study of geologic principles applicable to earth history. Includes basic stratigraphy and paleontology. Survey of geologic time periods, including geological and biological events during earth development.

Prerequisite(s): GEOL1121 $\geq$ D

Additional Course Fee: Physics/Biophysics Lab Fee - \$50 Flat Fee

GERIATRIC DENTISTRY (GERD)

GERD 5601 - Introduction to Geriatric Dentistry (2 Credit Hours)

GEORGIA FILM ACADEMY (GFA)

GFA 1000 - Introduction to On-Set Film Production (6 Credit Hours)

This course is the first of an 18-credit hour certification through the Georgia Film Academy which will provide an introduction to the skills used in on-set film production, including all forms of narrative media that utilize film industry standard organizational structure, professional equipment and on-set procedures. Students will learn film production organizational structure, job descriptions and duties in various film craft areas, and the names, uses, and protocols related to various pieces of professional on-set film equipment. Students will also learn how the various film crafts relate to one-another on a working set, and skills related to networking and self-marketing. This course is the pre-requisite for all GFA courses.

GFA 1040 - Introduction to Film and Television Post-Production (6 Credit Hours)

This course is the first of an 18-credit hour certification in "Film and Television Post-Production." Students will operate various professional non-linear editing (NLE) systems, with a focus on practical skills and essential knowledge of editing, including file management, footage logs, timecodes, proxies, edit decision lists (EDLs), synchronization, transitions, simple effects, basic audio mixing and file exports. Additionally, students will explore the terminology, department hierarchy, history and theory of editing and sound design through topics such as continuity style, montage, juxtaposition of images, development of sound design, and linear and flat-bed editing. Students will also develop an understanding and awareness of current post-production industry standards and workflow practices. This course is the prerequisite for ALL other GFA courses in the "Film and Television Post-Production" Certification Pathway. The class includes creative video editing projects on various NLE systems that require the usage of the practical skills learned. The second project will utilize Avid editing programs, working with the industry-standard software.

GFA 1500 - Introduction to Digital Entertainment, eSports, and Game Development (6 Credit Hours)

Students become oriented with the Digital Entertainment ecosystem and job families therein, including: Game Development, Game Publishing, Tournament and League Operation, Live Production, Event Management, Broadcast Distribution, On-Air Talent, Team Organization, Sponsorship, Marketing, Content Creation, and Social Media Management. Students learn the basic terminology across these functions and skills related to networking and self-marketing used within the digital entertainment, eSports, and game development industries. A team project allows students to design and execute a live-streamed event incorporating lessons learned during the course.

GFA 2000 - Film and Television Production Internship (6 Credit Hours)

In this course, students will gain valuable "hands on" experiential learning at a film production company or film-related vendor that has unique and specialized knowledge, skills, and resources. Students will develop basic on-set film production skills, as well as knowledge and experience with film-industry standards, organizational structure, professional equipment, and on-set procedures through hands-on experience on the sets and offices of working film productions and film-related businesses. Students will also have an opportunity to network and to build resumes in order to help market themselves with the intention of integrating into the film industry as entry-level workers.

Prerequisite(s): GFA1000 >= B and GFA2010 >= B or (GFA2020 >= B or GFA2030 >= B or GFA2040 >= B or GFA2050 >= B or GFA3010 >= B or GFA3020 >= B or GFA3040 >= B or GFA3140 >= B

GFA 2010 - Set Construction and Scenic Painting (6 Credit Hours)

This course will provide students with knowledge and practical skills necessary to create and implement a production design through the stages of conceptualization, execution and presentation for a professional

art department in the film industry. Students will learn entry-level skills and knowledge of set construction for the film and television industry. Students will participate in goal-oriented projects including research, mood-boards, drafting, reading blueprints, architectural models, set safety, and budgeting, and scheduling.

Prerequisite(s): GFA1000 >= C

GFA 2020 - Lighting and Electric (6 Credit Hours)

This course will equip students with the skills and knowledge of electrical distribution and operations of set lighting on a motion picture or episodic television set to facilitate their entry and advancement in the film business. Students will participate in goal-oriented class projects including power distribution, set protocol and etiquette, properly setting lamps, how to light a set to feature film standards, motion picture photography, and more. Students who complete this course will have a very solid and broad base of knowledge that includes, but is not limited to, the equipment, techniques, communications, specifications, and department lingo used in the set lighting department. They will also have an understanding of the behavior of light and how to manipulate and control it to feature film standards.

Prerequisite(s): GFA1000 >= C

GFA 2030 - Grip and Rigging (6 Credit Hours)

This course will introduce students to the practice of rigging and supporting grip equipment, cameras, vehicles and other physical/mechanical devices. With a focus on practical application for a professional film career as a Grip, students will develop skills in the physical engineering, logistical planning and safe execution of rigging and operation of equipment used in film and television production. Emphasis will be placed on understanding the hierarchical communication and essential expectations of a professional entry-level Grip. In addition to gaining a thorough knowledge of the equipment used in grip and rigging, students will engage in on-set exercises in inventory, maintenance, set-up, trouble-shooting, teamwork, set protocol and safety.

Prerequisite(s): GFA1000 >= C

GFA 2040 - Fundamentals of Editing with Avid Media Composer 100 (6 Credit Hours)

This course is designed to help students develop the skills needed to enter the film industry as a post-production PA, in assisting with preparing dailies, or as an assistant editor. The foundation of the curriculum is Avid's certified training contained in their most recent Fundamentals 1 (MC101) and Fundamentals 2 (MC110) courses, and students will have the opportunity to certify as an Avid Certified User. Students who complete this course will have a very solid and broad base of knowledge that will allow them to integrate with a post-production team. This includes knowledge of the equipment, techniques, communications, and specifications used in the post-production department, as well as post-production industry standards and the physical requirements and expectations the job will require.

Prerequisite(s): GFA1000 >= C

GFA 2050 - Introduction to Special Makeup Effects (6 Credit Hours)

This course is designed to provide students with entry-level skills and industry-standard based knowledge in practical Special Effects (SFX) makeup for major film and television production. Students will participate in goal-oriented hands-on class projects including fabrication, material safety, use casting materials, professional make-up, sculpting, airbrushing, and design. Particular emphasis will be placed on set etiquette, including, but not limited to, attitude, professionalism, and technique on and off set. Students will also attend open lab sessions to gain the additional practice needed to refine their SFX makeup creation skills. Students will design, create, sculpt and apply a finished SFX makeup piece as a final project.

Prerequisite(s): GFA1000 >= C

GFA 2060 - Production Accounting and Office Management (6 Credit Hours)

This course equips students with a broad understanding for working within the production accounting and production office departments in the film and television industry, with emphasis on the knowledge, skills, and work routines required for entry-level jobs. Students will learn to identify the key players in each

department, define their responsibilities, and perform the essential functions. The production office component of this course will focus on the relationship between the production office and the overall production, as well as the importance of the communication hub that exists between the office, set, and post. The accounting component of this course will focus on the guidelines and reporting practices that are used to track and manage the finances of a production. This course is intended for students with little to no experience in television and film production who wish to understand the larger importance of how the production office and production accounting departments affect production.

Prerequisite(s): GFA1000 >= C

GFA 2100 - Production Crew Externship (6 Credit Hours)

Students develop the practical skills and fundamental knowledge for entry-level job positions in professional film and television through hands-on experience when placed in a dedicated craft-specific Externship under the direction of a graduate thesis candidate from one of the GFC graduate programs. The course emphasizes career development through student-specific, on-the-job training and in required weekly lessons that include instructor-led resume and interview training sessions. GFA 2100 is the lower-level option of GFA 4100. Whenever possible, students should take the 3000/4000-level GFA course option. The 4000-level counterpart has additional academic rigor, including creative projects and the study of history and theory of the craft. Students cannot take both the 2000- and 3000/4000-level option of equivalent courses. Either the 2000- or 3000-level course would satisfy the prerequisite for its related 4000-level course. If pursuing the Nexus, the 3000/4000-level upper-division course is required. Pursuing the 2000-level course will not result in a Nexus degree, but may be used towards GFA certification.

Prerequisite(s): GFA 1000 and at least one of the following: GFA 2010, GFA 2020, GFA 2030, GFA 2040, GFA 2050, GFA 2060, GFA 2080, GFA 2140, GFA 2310, GFA 2510, GFA 2520, GFA 3010, GFA 3020, GFA 3040, GFA 3070, GFA 3080, GFA 3140, GFA 3310, GFA 3510, GFA 3520, GFA 4010, GFA 4020, GFA 4040, GFA 4140

GFA 2140 - Fundamentals of Sound Design (6 Credit Hours)

The tools and techniques of post-production sound design are presented through lecture, demonstration, and hands-on exercises. The foundation of the curriculum is the industry-standard Avid Pro Tools Certified Training in the most recent Fundamentals 1 (PT101) and Fundamentals 2 (PT110) courses. Avid's certification training is supplemented with academic curriculum, including but not limited to: an historical overview of the sound design process and tools; current processes, procedures and terminology; project organization; audio sample rates and file types; audio manipulation; and introductory troubleshooting. Technical operations are covered, including: creating sessions; recording and importing audio and MIDI; multi-track recordings of live audio; editing session media; MIDI sequences and virtual instruments; navigating sessions and arranging media on tracks; and using basic processing and mixing techniques to finalize a production.

Prerequisite(s): GFA 1040 >= C

Additional Course Fee: Georgia Film Academy fee

GFA 3010 - Production Design I (6 Credit Hours)

This course provides students with the knowledge and practical skills required to create and implement a production design through the stages of conceptualization, execution, and presentation for a professional art department in the film industry. While examining the process of Production Design as it relates to the film and television industry, students will work on an assigned project and take it from concept to completion solving real-world challenges with the skills they have learned in class. Considerable emphasis will be placed on set etiquette, including but not limited to task completion, teamwork, attitude, professionalism, and punctuality.

Prerequisite(s): GFA1000 >= C

GFA 3020 - Motion Picture Set Lighting I (6 Credit Hours)

This course will equip students with the skills and knowledge of electrical distribution and set lighting on a motion picture or episodic television set to facilitate their entry and advancement in the film business. Students will participate in goal oriented class projects including power distribution, set protocol and etiquette, properly setting lamps, department lingo, lighting a set to feature film standards, motion picture

photography, and more. Particular emphasis will be placed on set etiquette including, but not limited to, attitude, professionalism, and technique on and off set. Students who complete this course will be ready to enter the film industry at the feature film level as a freshman set lighting technician, with a very solid and broad base of knowledge that will allow them to integrate with the crew from the first day.

Prerequisite(s): GFA 1000 >= C

GFA 3030 - Motion Picture Gripping (6 Credit Hours)

An introduction to the practice of rigging and supporting grip equipment for lighting, cameras, dollies, vehicles, and other physical/mechanical devices. The course also explores the mindset required to be a safe and effective grip on a film set and will illuminate the thought processes needed to interpret artistic ideals into actionable tasks.

Prerequisite(s): GFA 1000

GFA 3040 - Introduction to Editing with Avid Media Composer 100 (6 Credit Hours)

In this course, students learn the skills, tools, and techniques of post-production editing for careers as assistant editors. Students will participate in creative, narrative editing projects in order to demonstrate fundamentals of post-production theory and practice, and will have the opportunity to certify as an Avid Certified User. This course focuses on the professional work environment processes for picture editing, audio mixing, audio effects, visual effects, color correction, and digital file delivery. Technical operations are covered, including ingest, output, and media management, edit bay procedures, protocol, and best practices. Avid's curriculum will be supplemented with elemental post-production information including an historical overview of the editing process and tools; current processes, procedures and terminology; project organization, digital file codecs, audio sample rate, introduction to concepts and tools of color grading, and introductory troubleshooting. Students will also develop an understanding and awareness of post-production industry standards.

Prerequisite(s): GFA1000 >= C

GFA 3140 - Introduction to Sound Design with Avid ProTools 100 (6 Credit Hours)

This course will equip students with a unique skill set and knowledge of the digital audio editorial process to facilitate their entry and advancement in the industry of film and television post-production. Students will learn industry best practices for digital audio processes and workflows within a professional sound department, and will have the opportunity to certify as an Avid Certified ProTools User. Emphasis will be placed on the technical aspects of industry standard digital audio tools, including attitude, professionalism and technique in and out of the room. Students who complete this course will be ready to enter the film industry as a working digital audio technician and/or assistant digital audio technician, with a broad base of knowledge that will allow them to integrate with a digital audio team from the first day.

Prerequisite(s): GFA1000 >= C

GFA 3510 - Digital Entertainment and eSports Event Design (6 Credit Hours)

The advanced study and practice of digital entertainment and Esports events production, including tournament operation and administration, event management, talent management, live broadcast (aka "streaming"), on-air personality skills, social and community management, and post-production. With an emphasis on practical application, students have the opportunity to gain experience in these roles. Students have access to industry-standard software and equipment to gain a working familiarity with these tools, taught in a professional live digital entertainment and Esports production facility.

Prerequisite(s): GFA 1500

GFA 4000 - Film and Television Production Apprenticeship (6 Credit Hours)

In this course, students will be placed on a working film or television production to participate in a guided experience in the operations and essential functions of an industry craft in a professional environment. Students will be assigned to appropriate opportunities offered by professional film and television productions or affiliated vendor companies to practice and enhance their skills in the designated department through practical experience. Students will be permitted to express their preferences for specific departments, pending availability. Students will be exposed to the unique and specialized knowledge, skills and resources for their designated department, and will also have opportunities to

network and develop resumes.

Prerequisite(s): GFA1000 >= B and (GFA2010 >= B or GFA2020 >= B or GFA2030 >= B or GFA2040 >= B or GFA2050 >= B or GFA2060 >= B or GFA3010 >= B or GFA3020 >= B or GFA3040 >= B)

GFA 4010 - Production Design II (6 Credit Hours)

This course equips students with advanced skills and knowledge of the creative, technical and logistical processes of the art department, with a focus on the design and construction of sets, props, and effects to professional standards. Students will assume key roles as crew members in completing the pre-production and production workflows within the art department. Working from assigned scripts, students will complete and present concept art, mood-boards, architectural drawings, and then manage logistics of building all sets, props and effects for that production. Upon completion of this course, students will have a camera-ready and fully dressed set that GFA film classes can shoot on.

Prerequisite(s): GFA1000 >= C and GFA2020 >= C or GFA3010 >= C

GFA 4020 - Motion Picture Set Lighting II (6 Credit Hours)

This course equips students with the skills and knowledge of set lighting on a motion picture or episodic television set, with a focus on the design, planning, and practical execution of lighting scenarios to a professional standard. Students will participate in goal-oriented class projects including lighting plots, location scouting, various stage and location sets, managing a crew, achieving proper exposure for camera settings, and aesthetic stylization. Specific focus is given to design and execution of lighting in common production scenarios. Emphasis is also placed on set etiquette, including, but not limited to, participation in exercises, attitude, professionalism and technique on and off set. Students will develop a thorough understanding of the behavior of light and how to manipulate and control it to feature film standards. This includes opportunities to prepare different types of locations that range from houses to retail areas to corporate and educational areas, as well as to rig and light the most common situations a set lighting crew faces: day exteriors, day interiors, night exteriors, and night interiors, on stage and on location.

Prerequisite(s): GFA1000 >= C and GFA2020 >= C or GFA3020 >= C

GFA 4040 - Advanced Editing with Avid Media Composer 200 (6 Credit Hours)

In this course, students develop the advanced skills, tools, and techniques of post-production editing for careers as assistant editors. Students who complete this course and pass the embedded AVID Media Composer Professional Editing I (MC 201) and Media Composer Professional Editing II (MC 210) exams will earn the industry post-production credential of Avid Certified Professional in Media Composer. Students will learn to optimize editing workflows, streamline and ingest process, and manage media. This course also covers advanced picture editing techniques, preparing for multi-cam editing, working with graphics and mattes, compositing with the 3D Warp effect, color correction, and an in-depth look at some of the wide range of audio tools and effects included in Media Composer, with emphasis on developing the higher level editing skills that help to distinguish professionals in the industry.

Prerequisite(s): GFA 1000 >= C and (GFA 2040 >= C or GFA 3040 >= C)

GFA 4100 - Production Crew Practicum (6 Credit Hours)

Students develop the practical skills and fundamental knowledge for entry-level job positions in professional film and television through hands-on experience when placed in a dedicated craft-specific Practicum under the direction of a graduate thesis candidate. Students document their acquired knowledge through journals and reports. The course emphasizes career development through student-specific, on-the-job training and in required weekly lessons that include instructor-led resume and interview training sessions. Because of the compressed and sometimes unusual scheduling nature of film productions, students must have flexibility in their own schedules to be able to work on these projects. A student must commit to working, as scheduled, the full term of the project and must follow all professional standards. Note: the thesis films are most likely shot on multiple weekends (Friday-Sunday) over the course of the semester. Production either occurs at Trilith Studios or within a 30-mile radius of Trilith (studio zone) on location; transportation to and from location shoots within this zone are the responsibility of the student. Students who cannot meet those standards will not be permitted to continue on the

project. It is expected and required that all 4100 students are present on set and willing to provide hands-on labor.

Prerequisite(s): GFA 1000 and at least one other GFA Specialty Craft Course in the Film & Television Production Pathway (GFA 2010, GFA 2020, GFA 2030, GFA 2040, GFA 2050, GFA 2060, GFA 3010, GFA 3020, GFA 3040, GFA 3140, GFA 4010, GFA 4020, GFA 4040)

GFA 4140 - Advanced Sound Design with Avid Pro Tools 200 (6 Credit Hours)

The theory and practices of film and television sound design are presented through lecture, demonstration, and hands-on exercises. The curriculum is designed to incorporate the industry standard Avid Pro Tools Certified Training in the most recent Production 1 (PT201) and Production 2 (PT210) courses. Avid's certification training is supplemented with academic curriculum, including but not limited to: an historical immersion in the sound design process and tools; current processes, procedures and terminology; project development; file interchanges; multitrack mixing; and program automation. Technical operations are covered, including: optimizing and configuring sessions; managing audio and video media; editing and processing of audio; plug-in automation; requirements of various destination platforms; and exporting deliverable to finalize a production. Upon successful completion of this course, students will demonstrate the skills needed for advancing careers in film and television post-production. Emphasis is placed on understanding industry standards and employer expectations for professional film and television post-production. Rigorous study of the PT201 and PT210 books, combined with hands-on practice, in and outside of class, greatly aids in successfully passing Avid's two certification exams. While Avid certification is not required for successful completion of the course, passing the two certification exams earns students the credential of Avid Pro Tools Certified Professional, recognized worldwide as an industry standard for sound editors in feature film and broadcast television.

Prerequisite(s): (GFA 1040 and GFA 2140) or GFA 3140; Normal (A, B, C, D, F)

MEDICINE - GENERAL (GMED)

GMED 5000 - Basic Clerkship in Internal Medicine (18 Credit Hours)

This six-week core clerkship provides background in the fundamentals, principles and skills of internal medicine. Students actively participate in patient care as a member of the healthcare team. Bedside clinical skills, patient presentations, write-ups, logical approach to diagnostic decision making, as well as accumulation and synthesis of medical knowledge are emphasized. Every effort is made for all students to spend three weeks on inpatient services (at least one month on a general medicine service) and three week (if possible) in the ambulatory setting.

Grade Mode: Normal (A, B, C, D, F)

GMED 5010 - Rheumatology Externship (4 to 8 Credit Hours)

A clinical multidisciplinary experience in the rheumatic diseases with a basic core of material pertinent to major diseases in this area; experience with consulting an clinical material. Special desires for more defined endeavor by the student will be considered.

GMED 5011 - Medicine Sub-I (12 Credit Hours)

Students taking the acting internship at MCG will essentially function as an intern on the team, admitting patients in sequence with the interns and working directly under the resident. Acting interns are expected to attend all conferences the interns attend. The acting intern completes the initial work-up and determines the treatment plan in conjunction with the resident. The acting intern functions as the primary care physician for their patients but is closely supervised in all activities by the resident and attending faculty physician. The acting interns on call schedule are identical to that of the ward team.

GMED 5012 - Hematology/Oncology Externship (4 to 8 Credit Hours)

Provides the basics in clinical hematology and medical oncology. In-depth study of blood and marrow morphology is emphasized. An approach to diagnosis and management as well as general principles of cancer chemotherapy will be stressed. The importance of interdisciplinary cancer decision making (internist, surgeon, radiation therapist) is emphasized. Two half-day clinics each week are arranged to

emphasize the diagnosis and therapy of common hematologic and oncologic disorders.

GMED 5013 - Nephrology Externship (4 to 8 Credit Hours)

Overview of inpatient and outpatient physical medicine and rehabilitation.

GMED 5014 - Rehabilitation Medicine Externship (4 to 8 Credit Hours)

General principles of rehabilitation medicine in the hospital setting, in addition to participation in a multidisciplinary approach to treatment of patients undergoing rehabilitation. Students have some clinical responsibility for patients admitted to the hospital and follow them through their rehabilitation. Specialty programs for brain injury, pediatric rehab., spinal cord injury, stroke rehab.

GMED 5016 - Nephrology Consult Elective (4 to 8 Credit Hours)

Experience in clinical nephrology through participation in inpatient consultations, teaching conferences, and once weekly general nephrology outpatient clinic.

GMED 5017 - Cardiology Consultation Service (4 to 8 Credit Hours)

The MCG Cardiology elective is an integrated rotation between the cardiology consult service and the special procedure labs. Students' time will be divided between the consult service and the labs. On the consult service the student will be exposed to various cardiovascular diseases in medical and pre- and post-operative surgical inpatients. The student will be part of the consultative team working closely with the cardiology attending and the fellow. Patients will be seen with bedside teaching emphasizing physical and differential diagnosis. The student will be expected to provide references appropriate for each case evaluated. During this time, the student will become familiar with the indications, usefulness and limitations of diagnostic tests and special procedures such as echocardiography, cardiac catheterization, stress testing, electrophysiology studies and nuclear cardiology. Each week the student will spend one day in one of the special procedures laboratories (cardiac catheterization lab, ECHO lab, electrophysiology labs and Nuclear/stress testing lab.) The appropriate attending and fellow prior to and during the lab day will provide didactic teaching. Students will have an opportunity to see left and right catheterizations, coronary interventions, transthoracic and transesophageal echocardiography, catheter ablations, pacemaker and/or AICD implantations, cardioversions and stress testing. The EKG laboratory will provide EKGs each day to be read with the EKG attending. Invasive and non-invasive conferences are scheduled throughout the week and journal club is once a month. Students are required to attend conferences. Feedback will be given to the students biweekly from the rotation coordinator.

GMED 5021 - Gastroenterology Externship (4 to 8 Credit Hours)

This course is designed to provide an understanding of clinical aspects of diseases of the digestive system, pancreas and liver, including endoscopy, interpretation of gastrointestinal x-rays, biopsies and laboratory results. It consists of rounds, conferences and clinics at the MCG Hospital.

GMED 5022 - Sleep Medicine (4 to 8 Credit Hours)

Explores common sleep-related disorders and treatment of acute and chronic medical conditions, including but not limited to parasomnias, obstructive sleep apnea, and narcolepsy. Students are challenged to acquire the ability to apply this knowledge in diverse clinical settings with the majority being in an outpatient consultative service.

GMED 5023 - Pulmonary Externship (4 to 8 Credit Hours)

This elective is designed to provide experience in consultative pulmonary medicine. Emphasis is placed upon the clinical evaluation of patients with altered lung function, and the appropriate use of both invasive and noninvasive pulmonary diagnostic procedures. The student will gain experience in interpretation of chest roentgenograms, pulmonary function tests, and arterial blood gases. Selected pulmonary topics are covered in the weekly pulmonary conference.

GMED 5025 - Infectious Diseases Externship (4 to 8 Credit Hours)

This clinical consultation service provides experience in the diagnosis and management of patients with

infections, interpretation of stained specimen cultures and sensitivity data, serology and the appropriate use of antimicrobial and antiviral agents. The elective consists of rounds, clinics and conferences at the MCG hospital and clinics. Daily didactic instruction is provided. On call availability is needed.

GMED 5027 - Medicine Off-Campus Externship (4 to 8 Credit Hours)

Special arrangements can be made for elective periods of one month in the Department of Medicine at other medical schools and teaching institutions. These electives can be spent in general internal medicine or medical subspecialties. The following must accompany the green sheet: written statement accepting student to do elective including description of the content of the elective and name of preceptor responsible for evaluation. *May be repeated for credit up to 3 times.*

GMED 5028 - Research Elective in Medicine (4 to 8 Credit Hours)

Prerequisite: Approval by Faculty Member with whom research will be done

Opportunity to participate in research programs being conducted by members of the faculty of the Department of Medicine. Arrangements to be made by the student with a member of the faculty. A description of proposed project must be submitted to the Medicine Education Office, Ext. 2055. A copy of the description must accompany the Green Sheet. If the duration of the elective is more than one month, students only receive credit for a one month elective.

GMED 5034 - Medical Critical Care (12 Credit Hours)

This elective is designed to provide an intensive experience in critical care medicine. Emphasis is placed upon clinical evaluation and management of critically ill patients: mechanical ventilatory support, hemodynamic and ventilatory monitoring and other critical care interventions. Didactic sessions, conferences and teaching rounds provide a broad view of clinical approaches to critically ill patients.

GMED 5039 - Endocrinology Externship (4 to 8 Credit Hours)

Inpatient consultations and ambulatory clinics at the MCGH and VAMC are the primary activities of the elective. These activities are carried out in association with one or more medical residents and a clinical endocrine fellow. They are supervised by members of the Section of Endocrinology and Metabolism. The supervised management of cases encountered in these settings will provide the vehicle for teaching. Thyroid, adrenal, parathyroid, pituitary and gonadal diseases as well as diabetes, developmental problems, virilization and electrolyte disorders will be discussed. There will be opportunities for didactic presentations and students will be expected to read relevant clinical literature. A textbook and collection of reprints is provided on loan and a series of core didactic lectures is presented for students on the rotation. Student responsibilities will include participation in section inpatient consultation and clinic activities, as well as the weekly clinical conference at which case presentations will be made.

GMED 5040 - Cardiology Externship (4 to 8 Credit Hours)

Obtain a clear and concise cardiac history and physical, inpatient and outpatient. Use of ancillary modalities such as arrhythmia interpretation, ECG interpretation, indication, and use of echocardiography and doppler indication for cardiac catheter and intervention.

GMED 5056 - Epidemiology Atlanta Externship (4 to 8 Credit Hours)

Months Offered: September through June (applications must be submitted to the Epidemiology Program Office at CDC by May 30 of the student's third year). This elective is designed to introduce the student to applied epidemiology, preventive medicine, and public health as practiced at CDC. Students have the opportunity to actively assist in epidemiologic investigations of infectious diseases and in studies of a wide variety of public health problems such as chronic, environmental, and occupational diseases, injuries, and reproductive health. Students work under the supervision of CDC epidemiologists and work on specific projects. Students are also exposed to day-to-day operations and a broad range of activities at CDC. Familiarity with computers and data analysis is helpful but not essential. Students are responsible for providing their own living and travel expenses.

GMED 5066 - Obesity Medicine (4 to 8 Credit Hours)

Students will participate in the development of a differential diagnosis and evaluation scheme for common problems in patients with obesity in the outpatient setting. Upon successful completion of obesity medicine elective rotation, the student should be able to do the following: Correctly diagnose patients with obesity in varying age categories and ethnic groups, Utilize various treatment modalities for obesity including diet, lifestyle changes, behavioral, pharmacotherapy and endoscopic interventions, and appropriately refer patients for metabolic and bariatric surgery.

GMED 5067 - Geriatric Elective (0 to 8 Credit Hours)

Quality care of geriatric patients requires a knowledge base and skill set which are acquired throughout medical training. The goals of this two-week rotation are as follows: 1. To expose medical students to a varied population of older adults in settings ranging from ambulatory care, to home care, to assisted living, to palliative and hospice care. 2. To further learning of skills needed to care for older patients in a variety of settings. 3. To further the development of a working biopsychosocial knowledge of the issues involved in caring for the elderly frail population. Upon successful completion of this two to four week geriatric medicine rotation, the student should be able to do the following: Describe the following common geriatric syndromes, including the pathophysiology, risk factors, causes, signs, symptoms, differential diagnoses, treatments and preventive strategies. Alzheimer's Disease and related dementias, hospital related delirium, falls, potentially inappropriate medication prescribing in older adults including how to employ deprescribing strategies, hazards of hospitalization in older adults, elder abuse and neglect, depression and suicide in older adults, and strategies for healthy aging.
Prerequisite(s): (GMED5000 >= C or FMPC5000 >= C)

GMED 5071 - Introduction to Cardiac Catheter Laboratory (1 Credit Hour)

This course will provide an introduction to invasive and interventional cardiology.

GMED 5077 - Ambulatory Adult Selective (12 Credit Hours)

Goal: To provide students with a broad exposure to the clinical problems, settings and skills which make up the ambulatory practice of internal medicine. Objectives: Knowledge - Understand the pathophysiology, diagnosis and evidence-based management of common problems encountered in outpatient medicine. Learn about sub-specialty management of specific referred problems. Understand appropriate utilization of resources as a part of medical practice. Skills: Perform a problem-focused history and physical examination. Counsel patients regarding health behaviors. Manage multiple medications for complex patients. Coordinate care among several treating physicians. Activities: general internal medicine clinics, sub-specialty clinics, ambulatory cases and questions, evidence-based problem write-up, observed history and physical examinations.

GMED 5078 - Introduction to Rheumatology (4 to 8 Credit Hours)

Prerequisite: None

This third year elective rotation is an introduction to musculoskeletal disorders and systematic inflammatory disease in an ambulatory setting. Supervised by attending physicians, students will participate in primarily outpatient consultations, participate in teaching conferences, gain experience in pertinent diagnostic procedures, evaluate and follow patients in the faculty and fellow practices, and learn pathophysiology, differential diagnosis, clinical manifestations, management, and therapy of rheumatic diseases.

GMED 5092 - Current Topics in Translational Medical Research (1 Credit Hour)

Students will learn to comprehensively evaluate reports in the current translational medicine literature. They will learn to place research projects in the context of prior knowledge, appreciate the current state of a field, and critically evaluate research methodology, experimental design and interpretation, and statistical analysis.

GMED 5095 - Palliative Care Externship (4 to 8 Credit Hours)

Students will see patients at the hospice in Albany during the day and hospital consultations. Students will

participate in interdisciplinary team discussions about patient care.

GMED 5096 - Introduction to Outpatient Internal Medicine (4 to 8 Credit Hours)

Interactions and learning opportunities will be conducted in the outpatient clinic setting. Students will rotate through General Internal Medicine clinic, Podiatry clinic, Allergy and Immunology clinic, and Endocrinology clinic. The majority of time will be spent in General Internal Medicine.

GMED 5999 - Basic Clerkship Remediation in Medicine (1 Credit Hour)

Remediation of the Basic Core Clerkship in Medicine

Prerequisite(s): GMED 5000 and GMED 5100

GMED 6599 - GMED Student Chief (4 to 8 Credit Hours)

This elective is designed to allow M4 students an opportunity to practice their leadership skills as they serve as a peer role model to M3 students on the GMED rotation. Student must receive the site clerkship director's approval. *May be repeated for credit up to 1 time.*

Prerequisite(s): GMED 5000 >= B

GENOMIC MEDICINE (GNMD)

GNMD 8000 - Genetic Mechanisms of Hereditary Cancer (2 Credit Hours)

Fifteen percent of human cancers have a monogenic, heritable basis. The initiating molecular event for these cancers is known, unlike sporadic cancers where the first event is rarely known. This course will investigate the mechanisms by which alterations in specific hereditary cancer genes generate molecular derangements leading to oncogenic transformation, employing examples from classic conditions such as Lynch Syndrome due to mismatch repair deficiency. Lectures and evaluation of key literature in a discussion format will enhance skills in critical evaluation of the scientific approaches used in this field of study. Students will each present on one molecular mechanism or informatics approach related to one syndrome under consideration.

GNMD 8050 - Computational Methods in Genomics and Genetics (4 Credit Hours)

This course covers computational methods applied to genomics and genetics. The course will cover Bayesian statistics, nonparametric inference, phylogenetic trees, sequence analysis, microarray analysis, networks, multivariate methods, linkage analysis, and association genetics. The focus of the course will be to understand the basic concepts underlying the various analyses used in modern genomic and genetic research, and to understand how to use software that is available for basic analyses. A large component of the course will be to provide students with hands-on experience with analysis of datasets.

GNMD 8051 - Translational Genomics and Proteomics (3 Credit Hours)

Focusing on how to use the modern high throughput technologies to answer biological questions.

GNMD 8052 - Functional Genomics and Proteomics Using Animal Models (3 Credit Hours)

The purpose of this course is to show how animal models of human diseases can be analyzed using genomic and proteomic technologies. The course will overview high throughput methods of generating disease models in mouse and describe ongoing efforts in this field. The focus of the course will be on mouse models of diseases affecting immune, cardiovascular and nervous system. Attempts to identify molecular mechanisms of the disease will be presented with particular emphasis on drug target discovery.

GNMD 8060 - Genomic Medicine Seminar (1 Credit Hour)

The Genomic Medicine Seminar course consists of research seminars by visiting and MCG researchers. Students will have an opportunity to talk to each speaker during a lunch meeting and to serve as hosts to visiting scientists. *May be repeated for credit.*

GNMD 8300 - Thesis Research (1 to 12 Credit Hours)

This course requires permanent assignment to a specific lab with a faculty advisor and a defined research project. The student works under the mentorship of their faculty thesis advisor to define, develop, and carry out the basic study of a research problem of interest to both student and advisor. This course is designed to develop the experience, understanding, and skills to conduct and assess original, independent research in biomedical science. This course is typically taken more than one time and culminates in the final semester in the preparation and defense of a MS thesis. *May be repeated for credit.*

GNMD 9210 - Investigation of a Problem in Genomic Medicine (1 to 12 Credit Hours)

This is a laboratory rotation course where the student works with individual faculty members on a specific research topic. This provides an introduction to techniques utilized in that laboratory as well as an introduction to the scientific method. *May be repeated for credit.*

GNMD 9300 - Research in Genomic Medicine (1 to 12 Credit Hours)

Students work closely with their faculty dissertation mentor on an in-depth study of a research question of interest to both student and mentor. This course culminates in the preparation of a PhD dissertation. Enrollment in this course requires official admission to candidacy. *May be repeated for credit.*

GENERAL DENTISTRY - RESIDENT (GPRR)**GPRR 7021 - General Practice Didactics (13 Credit Hours)**

Case presentations and treatment planning topic in hospital dentistry topics in bone grafting/sinus augmentation topics in treatment of the medically compromised patient topics in special needs dentistry topics related to IV sedation topics in pharmacology topics in disease process radiology.

GPRR 7023 - General Practice Didactic Course (13 Credit Hours)

This is a seminar course designed to enable the resident to apply scientific principles to learning and oral health care. Residents develop and employ skills in outcomes based clinical decision-making, and technology-based information retrieval to enable them to practice evidence-based dentistry and strengthen their critical thinking abilities. *May be repeated for credit up to 2 times.*

GPRR 7024 - General Practice Clinic (26 Credit Hours)

This is a clinical course in which the resident acts as a primary care provider for patients who vary widely in treatment needs, demographic characteristics and overall health status. Residents provide emergency and multidisciplinary comprehensive oral health care that is coordinated by the general practice resident and supervising faculty. Residents perform diagnostic assessments, develop treatment plans, direct health promotion and disease prevention activities, and perform palliative and comprehensive oral health care using advanced dental treatment modalities. This course also includes rotations through AU Hospital Anesthesiology, ENT and ER clinical services and ACLS and conscious sedation training. *May be repeated for credit up to 2 times.*

GPRR 7031 - General Practice Didactics (22 Credit Hours)

Case presentations and treatment planning. Topics in hospital dentistry, topics in bone grafting/sinus augmentation, topics in treatment of the medically compromised patient. Topics in special needs dentistry, topics related to IV sedation, topics in pharmacology, topics in disease process.

GPRR 7033 - General Practice Didactics (13 Credit Hours)

This is a seminar course designed to enable the resident to apply scientific principles to learning and oral health care. Residents develop and employ skills in outcomes based clinical decision-making, and technology-based information retrieval to enable them to practice evidence-based dentistry and

strengthen their critical thinking abilities.

GPRR 7034 - General Practice Clinic (28 Credit Hours)

This is a clinical course in which the resident acts as a primary care provider for patients who vary widely in treatment needs, demographic characteristics and overall health status. Residents provide emergency and multidisciplinary comprehensive oral health care that is coordinated by the general practice resident and supervising faculty. Residents perform diagnostic assessments, develop treatment plans, direct health promotion and disease prevention activities, and perform palliative and comprehensive oral health care using advanced dental treatment modalities.

GPRR 7213 - General Practice Didactics (13 Credit Hours)

This is a seminar course designed to enable the resident to apply scientific principles to learning and oral health care. Residents develop and employ skills in outcomes based clinical decision-making, and technology-based information retrieval to enable them to practice evidence-based dentistry and strengthen their critical thinking abilities.

GPRR 7214 - General Practice Clinic (29 Credit Hours)

This is a clinical course in which the resident acts as a primary care provider for patients who vary widely in treatment needs, demographic characteristics and overall health status. Residents provide emergency and multidisciplinary comprehensive oral health care that is coordinated by the general practice resident and supervising faculty. Residents perform diagnostic assessments, develop treatment plans, direct health promotion and disease prevention activities, and perform palliative and comprehensive oral health care using advanced dental treatment modalities.

GPRR 7233 - General Practice Didactics (13 Credit Hours)

This is a seminar course designed to enable the resident to apply scientific principles to learning and oral health care. Residents develop and employ skills in outcomes based clinical decision-making, and technology-based information retrieval to enable them to practice evidence-based dentistry and strengthen their critical thinking abilities.

GPRR 7234 - General Practice Clinic (29 Credit Hours)

This is a clinical course in which the resident acts as a primary care provider for patients who vary widely in treatment needs, demographic characteristics and overall health status. Residents provide emergency and multidisciplinary comprehensive oral health care that is coordinated by the general practice resident and supervising faculty. Residents perform diagnostic assessments, develop treatment plans, direct health promotion and disease prevention activities, and perform palliative and comprehensive oral health care using advanced dental treatment modalities.

BIOMEDICAL SCIENCE (GRAD)

GRAD 8030 - Experimental Therapeutics (2 Credit Hours)

Analysis of concepts and methods used in the discovery and validation of biomedical therapeutics.

GRAD 8033 - Integrated Systems Biomedics (6 Credit Hours)

One semester course includes basic anatomy, physiology, and pharmacology of all the organ systems. Special topics also covered include integrated biosystems and feedback, physiological genomics, modern drug discovery, and hot research topics. Classroom time includes lectures, discussion, and demonstrations using traditional and alternative teaching methods.

GRAD 8040 - Introduction to Faculty Research (2 Credit Hours)

An introduction to all research topics currently being conducted by biomedical sciences graduate faculty.

GRAD 8050 - Introduction to Research I (2 Credit Hours)

Individualized instruction in research or core laboratories. Students should master at least one laboratory technique and become familiar with the various activities of the laboratories.

GRAD 8060 - Introduction to Research II (4 Credit Hours)

Individualized instruction in research or core laboratories. Students should master at least one laboratory technique and become familiar with the various activities of the laboratories.

Prerequisite(s): GRAD8050 >= C

GRAD 8080 - Neuroscience I (4 Credit Hours)

Prerequisites: For PhD students: Satisfactory completion of GRAD 8022 Molecular Cell Biology is required. For MD/PhD students: Satisfactory completion of first two years of medical school is required. Neuroscience I will cover the cell and molecular biology of neurons and synapses, motor systems, somatosensory, vision, audition, chemical senses, tastes and olfaction, glia and neuroimmunology, regulatory, autonomic and neuroendocrine systems.

Prerequisite(s): GRAD8022 >= C

GRAD 8090 - Fundamentals of Genomic Medicine (2 Credit Hours)

This course will provide a theoretical framework for understanding the fundamental concepts of mammalian genetics, functional genomics and bioinformatics as well as advanced technical and biological tools used in today's biomedical research environment. The course will provide lectures on a wide range of classical and modern topics such as classical genetics, linkage analysis, genetic mapping, positional cloning, genomics, and bioinformatics. The focus of the course will be to understand the experimental identification of genes responsible for disease and modern applications of genomics to understanding biological processes as well as their impact on modern medicine

Prerequisite(s): GRAD8012 >= C and GRAD8022 >= C

GRAD 8120 - Cardiovascular Physiology and Pharmacology (3 Credit Hours)

Prerequisites: Satisfactory completion of the first year biomedical sciences core curriculum, or permission of the course director.

Integrative study of the cardiovascular system and how drugs are used to treat cardiovascular disease. Cardiac, vascular and renal physiology will be studied in detail, and also will be integrated into an overall scheme for control of the circulation. The use of drugs as cardiovascular research tools also will be interwoven into this approach.

GRAD 8130 - Scientific Grant Writing (1 Credit Hour)

Prerequisites: Satisfactory completion of the first year biomedical sciences core curriculum, or permission of the course director.

Practical course on grant writing. Specific steps in writing a grant application, from the hypothesis and specific steps through the final product, are presented and discussed as the student writes an application that will be submitted to a granting agency.

GRAD 8210 - Fundamentals of Oncology I (4 Credit Hours)

Prerequisites: Satisfactory completion of the first year biomedical sciences core curriculum, or permission of the course director.

As the first semester of a two-semester course sequence, this course covers fundamental aspects of cancer biology with emphasis on the etiology of cancer, natural history of neoplasia, epidemiology of human malignancies, host-tumor relationships, immunobiology and principles of chemotherapy and radiotherapy.

GRAD 8215 - Fundamentals of Oncology I (2 Credit Hours)

Covers fundamental aspects of cancer biology with emphasis on the etiology, natural history, epidemiology of cancer, host-tumor relationships, immunobiology and principles of chemotherapy and radiotherapy.

Prerequisite(s): GRAD8021 >= C and GRAD8022 >= C

GRAD 8230 - Biology of Proteins in Disease (2 Credit Hours)

Advanced study of protein function in cell biology and how this relates to the pathogenesis of disease.

Prerequisite(s): GRAD8021 >= C and GRAD8022 >= C

GRAD 8240 - Introduction to Immunology and Infectious Disease (2 Credit Hours)

Basic instruction on fundamentals of immunology, microbiology, and virology.

Prerequisite(s): GRAD8021 >= C and GRAD8022 >= C

GRAD 9210 - Investigation of a Problem (1 to 12 Credit Hours)

The student works with individual faculty members on a specific investigative research problem. This provides an introduction to analytical techniques and the scientific method in action. Prerequisites:

Satisfactory completion of the first two semesters of the biomedical sciences core curriculum or permission of the course director.

GERMAN (GRMN)

GRMN 1001 - Elementary German I (3 Credit Hours)

Fundamentals of listening, speaking, reading, and writing German in a proficiency-based classroom.

Introduction to German-speaking cultures. Designed for students who have never studied German. Not open to native speakers. Heritage speakers and students who had German in high school should take the placement exam. Students must earn a C or better in order to take German 1002.

GRMN 1002 - Elementary German II (3 Credit Hours)

A continuation of German 1001. Not open to native speakers. Heritage speakers and students who had German in high school should take the placement exam. Students must earn a C or better in order to take GRMN 2001.

Prerequisite(s): GRMN1001 >= C

GRMN 2001 - Intermediate German I (3 Credit Hours)

This proficiency-centered course is designed to build on high school German or on GRMN 1002. More emphasis will be placed on listening, speaking, and reading skills in practical situations. Students will learn how to "get around" in places where German is spoken natively. Not open to native speakers. Heritage speakers should take the placement exam.

Prerequisite(s): GRMN1002 >= C

GRMN 2002 - Intermediate German II (3 Credit Hours)

This proficiency-centered course includes a grammar review and more intensive work in listening comprehension, speaking, and reading, with more emphasis on writing than in GRMN 2001. German-speaking cultures will be studied through music, art, film, literary and cultural readings, including current events. At the end of this course, students should have a basic competence in German. Students who wish to take upper-division courses in German will need to demonstrate sufficient proficiency as determined by the world language faculty before enrolling in courses for the minor. Not open to native speakers. Heritage speakers should take the placement exam. Students must earn a C or better in order to take classes at the 3000/4000 level.

Prerequisite(s): (GRMN2001 >= C or GER201 >= C)

GRMN 3100 - Oral Communication in German (3 Credit Hours)

An intensive course designed to examine the codes of oral communication in German and to improve the student's productive and receptive skills in a variety of practical situations. Special emphasis given to oral communication. May not be taken by native speakers of German.

Prerequisite(s): (GRMN2002 >= C or GER202 >= C)

GRMN 3220 - German Society and Culture (3 Credit Hours)

A course designed to introduce the student to contemporary German society and culture and the historical dimensions of contemporary social, political and intellectual issues. Emphasis on the development of productive and receptive skills in German.

Prerequisite(s): (GRMN2002 >= C or GER202 >= C)

GRMN 3300 - German Grammar and Written Communication (3 Credit Hours)

An intensive course designed to teach the student the finer points of German grammar, examine the codes of written communication in German, and improve the student's productive and receptive skills in German.

Prerequisite(s): (GRMN2002 >= C or GER202 >= C)

GRMN 3510 - Introduction to German Literature (3 Credit Hours)

A course designed to introduce the student to literary reading and analysis using exemplary works from German literature. Emphasis on the development of productive and receptive skills in German.

Prerequisite(s): (GRMN2002 >= C or GER202 >= C)

GRMN 3520 - Studies in German Literature (3 Credit Hours)

A course designed around the study of a particular genre, period or theme in German literature. Emphasis on the development of productive and receptive skills.

Prerequisite(s): (GRMN2002 >= C or GER202 >= C)

GRMN 4950 - Selected Topics (3 Credit Hours)

A variable content course, intended to meet the interests of students studying German and desiring to make an intensive study of a specific area of German Studies. Emphasis on the development of productive and receptive skills. May be repeated for credit. *May be repeated for credit.*

Prerequisite(s): (GRMN2002 >= C or GER202 >= C)

HEALTH ECONOMICS AND HEALTH POLICY (HEHP)

HEHP 7500 - Health Innovation and Entrepreneurship (3 Credit Hours)

This course is an introduction to design thinking, innovation, and entrepreneurship in the health sciences. Students will develop critical thinking and problem identification skills, understand the innovation process, and explore startup and small business communities through presentations and discussions with successful entrepreneurs. Students will also learn about commercialization pathways for products in the health sciences such as devices, digital technologies, diagnostics, and therapeutics. At the conclusion of the course, participants will be able to demonstrate a clear understanding of how to develop innovative solutions for healthcare and public health challenges.

HEALTH INFORMATICS (HINF)

HINF 3000 - Legal Aspects and Ethics (1 Credit Hour)

The purpose of this course is to provide the student with a broad understanding of the law and its administration and to apply this understanding to relevant questions of policy and procedure development for documentation requirements in a healthcare setting.

HINF 3001 - Quality in Healthcare (1 Credit Hour)

This course introduces the health information management student to quality management. Quality management includes continuous quality improvement, utilization and risk management, outcomes management and credentialing activities. This course also familiarizes the student with the quality issues,

compliance issues, and agencies in alternative healthcare settings.

Prerequisite(s): HINF3206

HINF 3003 - Introduction to Health Information Systems (1 Credit Hour)

This course is designed to provide students with an introduction to database design and health information systems. An introduction to security issues regarding information systems is also included.

HINF 3004 - Systems Analysis and Design (1 Credit Hour)

This course is designed to introduce students to systems analysis and design concepts. Students will study principles of project management, as well as system planning, analysis, and design functions.

Prerequisite(s): (HINF3003 >= C) and (HINF3002 >= C)

HINF 3101 - Principles of Healthcare Management (3 Credit Hours)

Applied study of the managerial functions of planning, organizing, leading and controlling. Students work through specific issues related to operational and strategic planning, organizational structures and relationships, decision making, motivation, leadership theories and application, as well as fiscal and non-fiscal control processes, work standards, work measurement, and productivity. Special attention is given to the concept of systems management and techniques of systems analysis. Includes office ergonomics, information management, and equipment procurement. *May be repeated for credit up to 1 time.*

HINF 3102 - Human Resource Management for Healthcare (3 Credit Hours)

A comprehensive human resource management course which develops student understanding of the employer-employee relationship. Includes the major human resource management functions. Topics include job analysis, job descriptions, employee recruitment, selection, and training, salary administration, performance appraisals, and collective bargaining

HINF 3107 - Principles of Healthcare Management for Health Services (3 Credit Hours)

Management is an essential component of the healthcare profession and includes planning, organizing, and leading organizational activities. This course will provide the student with a firm understanding of how the functions of management combine to define the manager's role in healthcare organizations. *May be repeated for credit up to 1 time.*

HINF 3108 - Human Resources in Healthcare for Health Services (3 Credit Hours)

This course provides students with the opportunity to acquire the knowledge and develop the skills necessary for understanding the nature of human resources management and for recruiting, selecting, training, retaining, compensating, and relating to the organization's human capital. *May be repeated for credit up to 1 time.*

HINF 3209 - Principles of Health Informatics and Information Management (4 Credit Hours)

This course provides an overview of health informatics and information management from the capture of data to the use of information. Students will utilize methods such as collecting, summarizing, analyzing, presenting, and interpreting to transform health data into health information. *May be repeated for credit up to 1 time.*

HINF 3210 - Principles of Health Informatics and Information Management for Health Services (4 Credit Hours)

This course will introduce the concepts of health informatics and health information management. The student will become familiar with the importance of data governance, content, and usage in healthcare. *May be repeated for credit up to 3 times.*

HINF 3213 - Healthcare Data Management and Analytics (4 Credit Hours)

This course will provide students with the skill set to apply performance improvement data analytics and determine the use of performance improvement presentation tools. Student will also demonstrate the core concepts of acquiring, managing, manipulating, and analyzing data. *May be repeated for credit up to 1 time.*

Prerequisite(s): HINF3209 >= C

HINF 3312 - Medical Terminology (2 Credit Hours)

Introduction to the language used in healthcare. Emphasis on word components (combining forms, prefixes, and suffixes), pronunciation, and writing exercises. *May be repeated for credit up to 1 time.*

HINF 3315 - Clinical Foundations in Health Informatics and Information Management (5 Credit Hours)

This course provides advanced medical terminology, introduces disease processes in the human body, diagnostic techniques and treatment methods, basic pharmacological concepts, drug classifications and commonly used drugs, and technologies used in clinical coding classification systems and clinical coding audits. *May be repeated for credit up to 1 time.*

Prerequisite(s): BIOL2111 >= C and BIOL2112 >= C

HINF 3316 - Medical Terminology for Health Informatics and Information Management (3 Credit Hours)

Students will learn medical word elements, medical word building; anatomical and physiological terms; terms related to signs, symptoms and diseases; terms related to diagnostic, surgical and medical procedures; medical abbreviations, eponyms and symbols. Each body system is covered. *May be repeated for credit up to 1 time.*

HINF 3516 - Computer Fundamentals in Healthcare (4 Credit Hours)

Introduces students to computer concepts of hardware, software, the Internet, and uses of computers in healthcare. Students will demonstrate proficiency in use of word processing, spreadsheet, and graphics application software and the Internet through lab exercises and assignments.

HINF 4106 - Health Informatics and Information Management Leadership Capstone (4 Credit Hours)

This course provides advanced concepts in healthcare leadership and guides students through activities designed to build leadership skills and creative problem solving. *May be repeated for credit up to 1 time.*

Prerequisite(s): HINF3101 >= C and HINF3102 >= C and HINF3209 >= C and HINF3214 >= C and HINF3213 >= C and HINF4104 >= C and HINF4209 >= C and HINF4417 >= C and HINF4520 >= C and MINF3650 >= C; Corequisite(s): HINF4723

HINF 4107 - Healthcare Finance and Revenue Cycle Management (4 Credit Hours)

Students will learn the critical role healthcare finance and revenue cycle management play in the delivery of healthcare services in the United States. This course integrates information pertaining to healthcare finance and the complexity of reimbursement systems and revenue management processes that are used throughout the healthcare industry. *May be repeated for credit up to 1 time.*

Prerequisite(s): ACCT2101 and HINF3315 and HINF3316

HINF 4209 - Health Law and Ethics (3 Credit Hours)

Overview of the law and its administration as it applies to questions of policy and procedure development for health data requirements in a healthcare setting. Includes basic ethical principles and situations of ethical dilemma, and ethical decision-making processes.

HINF 4416 - Principles of Healthcare Compliance (3 Credit Hours)

Students will be instructed in CPT/HCPCS coding. Student will learn the intricacies of the reimbursement

process as they relate to coding, documentation, and regulations set forth by various federal agencies and managed care organizations

Prerequisite(s): (HINF3312 >= C) and (HINF3314 >= C) and (HINF3415 >= C)

HINF 4418 - Coding Classifications and Compliance (4 Credit Hours)

Students will learn context and framework for medical coding through the critical thinking processes of abstracting medical documentation. Student will assign and sequence ICD-10-CM/PCS and CPT/HCPCS codes according to official coding guidelines. Coding compliance is also covered for inpatient versus outpatient coding based upon AHIMA's Coding Ethics for professional practice. *May be repeated for credit up to 1 time.*

Prerequisite(s): HINF3315 and HINF3316

HINF 4520 - Electronic Health Information Systems (4 Credit Hours)

This course introduces electronic health information systems and other technologies used in healthcare. Students will demonstrate the ability to participate in electronic health record (EHR) planning, selection, and the implementation process. *May be repeated for credit up to 1 time.*

Prerequisite(s): MINF2650 >= C and MINF3650 >= C

HINF 4521 - Advanced Health Information Systems (4 Credit Hours)

This course will introduce advanced health information systems topics. Topics will be based on current HIS issued in healthcare, particularly cyber security, health information exchanges, and information governance. *May be repeated for credit up to 1 time.*

Prerequisite(s): MINF3650 >= C and AIST3610 >= C and HINF4520 >= C

HINF 4723 - Project Management in Healthcare (6 Credit Hours)

This course is project based. Students will demonstrate the ability to participate in health information projects utilizing basic project management techniques and processes. Students will be assigned projects by their faculty advisor. *May be repeated for credit up to 1 time.*

Prerequisite(s): HINF3101 >= C and HINF3102 >= C and HINF3209 >= C and HINF3212 >= C and HINF3214 >= C and HINF4104 >= C and HINF4209 >= C and HINF4417 >= C and HINF4520 >= C and MINF4520 >= C; Corequisite(s): HINF4106

HINF 4725 - Cyber Security in Health Care Settings (3 Credit Hours)

This course focuses on building skills for understanding, assessing, and solving cyber security threats within health care settings. The course examines the methods and tools to approach cyber security issues and prepares for successful design and implementation of available countermeasures.

HINF 6312 - Medical Terminology (2 Credit Hours)

Introduction to the language used in healthcare. Emphasis on word components (combining forms, prefixes, and suffixes), pronunciation, writing exercises and case studies.

HINF 6725 - Cyber Security in Health Care Settings (3 Credit Hours)

This course focuses on building skills for understanding, assessing and solving cyber security threats within health care settings. The course examines the methods and tools to approach cyber security issues and prepares for successful design and implementation of available countermeasures to help protect the operation of the health care enterprises and to guard the confidentiality and privacy of patients' data. This class also presents current trends and open problems related to cyber security in health care settings. This class is offered on line.

HISTORY (HIST)

HIST 1111 - Pre-Modern World Civilization (3 Credit Hours)

A survey of world history to early modern times. The course will examine the political, economic, social,

and cultural aspects of various civilizations from ancient times to the Renaissance.

HIST 1112 - Modern World Civilization (3 Credit Hours)

A survey of world history from early modern times to the present. An examination of the development of world civilization from the beginnings of European colonization to the present, including events, trends, institutions, and ideas that have had global impact.

HIST 1113 - Issues in World Civilization (1 to 3 Credit Hours)

Study of a major theme in world history such as conflict, socioeconomic development, cultural interaction, or cultural/intellectual trends. Especially for majors and minors participating in study abroad with history faculty. *May be repeated for credit.*

HIST 2111 - United States to 1877 (3 Credit Hours)

A survey of American history to the post-Civil War period. A satisfactory grade will exempt a student from the requirement of passing before graduation an examination on the history of the United States and the history of Georgia.

HIST 2112 - United States Since 1877 (3 Credit Hours)

A survey of the United States from the post-Civil War period to the present. A satisfactory grade will exempt a student from the requirement of passing before graduation an examination on the history of the United States and the history of Georgia.

HIST 2950 - Special Topics in History (1 to 3 Credit Hours)

This introductory course examines a special topic in History. Content of the course varies. *May be repeated for credit up to 2 times.*

HIST 3001 - Historical Research Methods (4 Credit Hours)

A study of the methods of historical research and analysis as well as the generally accepted usages in historical composition and citation.

HIST 3012 - World History Seminar (3 Credit Hours)

Survey of modern world history, including major trends in politics, economics, and conflict. This class is especially designed for prospective teachers. Prerequisite(s): Junior Standing.

HIST 3020 - Premodern Europe (3 Credit Hours)

This course will look at the history of medieval Europe from the foundational societies of the Ancient world to the Renaissance. This is a survey of medieval European society, examining the cultural, political, legal, philosophical, and artistic elements.

HIST 3030 - Muslim World to World War I (3 Credit Hours)

A survey of the political, economic, social, and intellectual history of the Middle East from the time of the Prophet Muhammad to the Ottoman Empire's entry into the first World War. Prerequisite(s): Junior or senior standing or permission of instructor.

HIST 3031 - Modern Middle East (3 Credit Hours)

A survey of the political, economic, social, and intellectual history of the Middle East from the First World War to the present including such subjects as Western imperialism, Arab nationalism, and the Arab-Israeli conflict and peace process.

Prerequisite(s): Junior or Senior standing or permission of instructor.

HIST 3041 - Modern Israel (3 Credit Hours)

A examination of the political, economic, social and intellectual history of Israel and the Palestinian territories since 1948 with background provided on Palestine since the 19th century under Ottoman and later British rule as well as the origins of Zionism and Palestinian Arab nationalism. Students taking this

course as HIST 6231 will complete additional work not required for HIST 4231. Prerequisite(s): Junior or Senior standing or permission of instructor.

HIST 3060 - Introduction to Public History (3 Credit Hours)

This course is an introduction to the field of the public history field in its diverse venues and manifestations. Students will consider the ways in which historians engage various publics and will undertake projects to help understand and experience how public historians carry out their work and responsibilities.

HIST 3111 - History and Culture of Africa (3 Credit Hours)

A survey of the political, economic, social, and intellectual history of the African continent from ancient times to the present. Prerequisite(s): Junior or Senior standing or permission of instructor.

HIST 3140 - History of Canada (3 Credit Hours)

A survey of Canada's history from the arrival of indigenous peoples through the last 20th century. Topics include: indigenous civilizations, French and British colonialism, the influence of the United States, confederation and constitutional repatriation, Canada's changing role in world affairs, and the struggle to define Canadian identity.

HIST 3211 - History and Culture of East Asia (3 Credit Hours)

This course will introduce students to the history of East Asia and to the major cultural, economic, and political changes in the region.

HIST 3220 - Modern China (3 Credit Hours)

A survey of the social, cultural, economic, and political transformations of China from the 17th century to the present.

HIST 3250 - Modern Japan (3 Credit Hours)

This course offers an introduction to the modern history of Japan from Tokugawa times to the present. This course will engage the major themes in Japan's social, political, cultural, and economic development, and provides students with the historical background necessary for evaluating the emergence of modern Japan as a global power.

HIST 3311 - Modern Russia (3 Credit Hours)

Russia from the late nineteenth century to the present. Origins, development, and collapse of the Soviet state. Prerequisite(s): Junior or Senior standing or permission of instructor.

HIST 3321 - Modern Europe: Revolutions (3 Credit Hours)

A study of causation, methodology, and effectiveness of revolutions as they occurred in Europe and America from the 1600s through 1917.

HIST 3331 - Modern Europe: People (3 Credit Hours)

An examination of the transition of the European states from agricultural, semi-feudal monarchies to industrialized great powers. Prerequisite(s): Junior or Senior standing or permission of instructor.

HIST 3341 - Modern Europe: War and Diplomacy (3 Credit Hours)

Major trends in European history from the Russian Revolution of 1905 to the present. Prerequisite(s): Junior or Senior standing or permission of instructor.

HIST 3381 - History of Britain (3 Credit Hours)

Introduction to the history of Britain, considering major cultural, economic, and political themes in its history.

HIST 3431 - African American History to 1877 (3 Credit Hours)

An examination of the origins of man; the kingdoms of West Africa; African political, economic, and social systems; the slave trade; slavery in the Americas; and the experiences of African Americans through the presidential election of 1876.

HIST 3441 - African American History since 1877 (3 Credit Hours)

An examination of the lives of black Americans in their search for freedom in the South, North, and West following the presidential election of 1876 and into the twentieth century.

HIST 3471 - American Religious History (3 Credit Hours)

A narrative exploration of four centuries of religious change in the American experience, told as a contentious, competitive story of different groups and movements.

HIST 3491 - Military History of the US (3 Credit Hours)

Overview of American military history from colonization to the present, including major wars, campaigns, battles, institutional and organizational development, and strategy.

HIST 3510 - Latin American Civilizations (3 Credit Hours)

This is an introductory survey of Latin American civilizations from pre-European contact to the present covering social, cultural economic, political, and geographical elements of historical impact.

HIST 3531 - History of Mexico (3 Credit Hours)

An examination of Mexico's history. Topics include: indigenous civilizations prior to European contact, Spanish conquest, colonial society, the independence period, and a social, political, and economic survey of the turbulent modern era. Prerequisite(s): Junior or Senior standing or permission of instructor.

HIST 3561 - Latino/Hispanic USA (3 Credit Hours)

A survey of U.S. History from the perspective of Latinos and Hispanic populations in the U.S. through the early 2000s. Chronologically covers such themes as: immigration, education, health care, work/labor, civil rights, culture, and identity.

HIST 3571 - Topics in Latin America (3 Credit Hours)

Examines the history of Latin America in a topical or thematic approach. Explores the role of race on nationbuilding and society, such as the African Heritage of Latin America or Indigenous Heritage of Latin America, or centers on a particular cross-regional theme, such as Latin America and the environment or health and society in Latin America. *May be repeated for credit up to 5 times.*

HIST 3600 - Premodern Health and Medicine (3 Credit Hours)

This course investigates the history of medical practice and understanding of the human body and disease. The topics (including early notions of body and health) will begin from the earliest times and proceed chronologically to the end of the sixteenth century, with concentration on the period from CE 600 to 1600.

HIST 3610 - History of Modern Health and Medicine (3 Credit Hours)

This course introduces the social, intellectual, and cultural history of western health and medicine from the eighteenth century to the present. The course will cover how health, medicine, and disease are framed within social, cultural, and institutional values, with an emphasis on the rise and complexities of scientific medicine.

HIST 3711 - Georgia History (3 Credit Hours)

A study of the history of Georgia that focuses on state and local history and shows the connections with national and world events. This course fulfills the legislative requirement for Georgia history. Prerequisite(s): (HIST2111 >= C or HIST2111H >= C or HIS211 >= C or HIST2112 >= C or HIST2112H >=

C or HIS212 >= C)

HIST 3811 - Topics in the Islamic World (3 Credit Hours)

A survey of the political, economic, social, and intellectual history of the predominantly Muslim-populated regions in the Eastern Hemisphere from the seventh century to the present. Prerequisite(s): Junior or Senior standing or permission of instructor.

HIST 4011 - History of Women (3 Credit Hours)

Examines the history of women in either a geographical or topical approach. Explores the female role of mother, daughter, sister, and leader in a particular society, such as America, Europe, Asia, Latin America, etc. Or, the course is centered on a particular cross-cultural topic, such as suffrage, family roles, leaders, religion, etc. In all cases, this course is intended to explore the paradox between the ideal woman and actual treatment of women in a given era, society, culture, or movement. *May be repeated for credit up to 98 times.*

HIST 4021 - History of Gender and Sexuality (3 Credit Hours)

An in-depth look at the relationship between men and women with particular emphasis on their roles in the family. Explores childhood, marriage, work, and cultural practices in a particular period from antiquity to modernity. Primary and secondary sources are provided for comparisons between men and women in both the elite and common sectors of society. *May be repeated for credit up to 98 times.*

HIST 4030 - Witchcraft, Law, and Culture (3 Credit Hours)

An examination of beliefs and practices related to witchcraft and popular magic, with an emphasis of cultural and legal responses to this alleged phenomenon. This course includes a special emphasis on gendered aspects and social consequences of witchcraft beliefs and persecutions. May be repeated for credit. Course may be accepted for upper-level ANTH credit. *May be repeated for credit.*

HIST 4060 - Digital History (3 Credit Hours)

In this course, students learn hands-on techniques and platforms for new media, data mining, scholarly editing, and electronic teaching methods. Digital History, in many cases using the most basic digital materials, such as PowerPoint lectures, has now become a primary means of imparting materials in libraries and schools. This course will help prepare historians and social studies teachers for the digital future.

HIST 4111 - History of World Religions (3 Credit Hours)

This is a survey course introducing the study of religion. The students will define what "religion" is, examine why so many people in the history of the world find religion important, and try to understand some of the major tenets of the religions of the world. This course is designed with the theme of ethics and morals as defined by cultures and religions around which many of the readings and discussions will take place. Prerequisite(s): Junior or Senior standing or permission of instructor.

HIST 4160 - Piracy and Seafaring in the Age of Sail (3 Credit Hours)

An overview of seafaring in the Atlantic world from the 16th through the 19th centuries, with an emphasis on various forms of piracy and its culture, social, economic, and military aspects.

HIST 4241 - Borderlands and Frontiers in Chinese History (3 Credit Hours)

This course surveys the history of interactions between "China" and the various peoples and states on the edge of the Chinese state. Time period may vary.

HIST 4310 - Celtic Peoples (3 Credit Hours)

Through analysis of primary source material and secondary source dialogues, students acquire a sense of the history of the celtic peoples from the earliest proto-celts in Central Europe of antiquity to the medieval homelands of Ireland, Wales, Cornwall, Scotland, and Brittany to the neo-Celtic movements of

the ninetieth and twentieth centuries.

HIST 4360 - The Culture of Absolutism and Revolution (3 Credit Hours)

A study of European politics in the late sixteenth to early nineteenth centuries through the lens of both elite and popular culture. This course considers community, national, and international politics through a variety of cultural forms, which may include theatre, art, dance, music, ritual, written and oral culture, among others.

HIST 4361 - Age of Reason and Enlightenment (3 Credit Hours)

A study of European institutions and ideas in the seventeenth and eighteenth centuries with special attention to the growth of absolute monarchies, to discoveries in the sciences, and to the application of reason to the progress of human development.

HIST 4391 - Twentieth Century Europe (3 Credit Hours)

Major trends in European history from the Russian Revolution of 1905 to the present. Prerequisite(s): Junior or Senior standing or permission of instructor.

HIST 4401 - Colonial North America (3 Credit Hours)

A study of the colonial period of North America; the interaction of native peoples with newcomers; the political, economic, social, and cultural growth of North American colonies; the changing relationships between European powers and their colonies.

Prerequisite(s): (HIST2111 >= C or HIST2111H >= C or HIS211 >= C)

HIST 4411 - Revolutionary America (3 Credit Hours)

This course examines the revolutionary beginnings of the United States, exploring themes of social transformation, political experimentation, and cultural creativity during the early national period.

Prerequisite(s): (HIST2111 >= C or HIST2111H >= C or HIS211 >= C)

HIST 4421 - Civil War and Reconstruction (3 Credit Hours)

A study of the causes of the American Civil War, the major military campaigns and engagements, and the problems of the nation after the war.

Prerequisite(s): (HIST2111 >= C or HIST2111H >= C or HIS211 >= C)

HIST 4451 - US National Security and Foreign Policy, 1898 -Present (3 Credit Hours)

The emergence of the United States as a world power, the origins and impact of the Cold War, and the forces that have shaped America's relationship with the world. Prerequisite(s): Junior or Senior standing or permission of instructor.

HIST 4471 - Old South/New South (3 Credit Hours)

A comparative analysis of two social orders--the antebellum South (1820-1860), and the New South (1880-1940)--with focus on race, economics, and religion, undergirded by the classic debate of continuity or change.

Prerequisite(s): (HIST2111 >= C or HIST2111H >= C or HIS211 >= C)

HIST 4481 - The Sunbelt South (3 Credit Hours)

A focused exploration of transformations in the post-1940 period, framed by the idea of region/regional identity: in light of sweeping changes from 1940, to 1975, to the present, is region--'the South'-- still a meaningful category of analysis?

Prerequisite(s): (HIST2112 >= C or HIST2112H >= C or HIS212 >= C)

HIST 4491 - The American West (3 Credit Hours)

An examination of the westward movement and those factors that defined the West as a land of opportunity; the significance of race, ethnicity, and gender in the West's creation; and the role of the West

in shaping the identity and image of the United States.

Prerequisite(s): (HIST2111 >= C or HIST2111H >= C or HIST2112 >= C or HIST2112H >= C)

HIST 4501 - African Americans, Africa and the African Diaspora (3 Credit Hours)

This course offers an exploration of the experiences of and connections among Africans and members of this continent's diasporic communities. It examines this history prior to transatlantic contact and extends through African independence in 1960.

HIST 4511 - Black Internationalism (3 Credit Hours)

This course introduces students to the concept of Black/African American Internationalism from the 1890s through the 1970s. The course especially centers bottom-up histories and gender, class, and ethnic analyses.

HIST 4521 - The Long Civil Rights Movement (3 Credit Hours)

This course extends the traditional 1955-1964 arc of the modern civil rights movement. It considers various movements against exploitation, segregation, and discrimination throughout the nation rather than the U.S. South alone.

HIST 4710 - Premodern Science, Religion, and Magic (3 Credit Hours)

This course is designed to explore the clash between the ideas of faith, superstition, and early science from the 14th to the 17th centuries in Europe. The course explores the social challenges to science and the scientific challenges to some social conventions, as science pushes forward human understanding of the world.

HIST 4820 - Medieval Castles, Fortifications, and War (3 Credit Hours)

This course will look at the design, purpose, and use of castles; town fortifications, including walls; and elements of conflict, such as diplomacy, crusades, and the role of religion, technology, and tactics. The course also examines connections between towns and castles and the people who worked in and on castles.

HIST 4851 - Military History of the Western World (3 Credit Hours)

This course will examine topics in the history of warfare from ancient times to the present. Topics may include military strategy and operations, social and cultural aspects of warfare, and the causes and consequences of war.

HIST 4940 - Historiography (3 Credit Hours)

Study of historical writing and the approaches used to research and write history. Course is designed to examine the philosophy of historical research, major changes in historiographic trends, and major writers of history.

Prerequisite(s): HIST3001 >= C

HIST 4950 - Selected Topics (1 to 4 Credit Hours)

Content of the course varies. Prerequisite(s): Junior or Senior standing or permission of instructor. *May be repeated for credit.*

HIST 4960 - Undergraduate Internship (1 to 12 Credit Hours)

A service-learning experience based in an institution or agency, the internship requires the completion of a specific task and the acquisition of specific knowledge and skills under the supervision of the university and the cooperating institution or agency. Prerequisite(s): Permission of department chair. *May be repeated for credit.*

HIST 4970 - Senior Thesis (3 Credit Hours)

The composition of an extended paper that employs the methods of historical research and analysis and that incorporates the generally accepted usages in historical composition and citation. Prerequisite(s):

Senior standing.

HIST 4980 - Seminar in History (3 Credit Hours)

The Seminar in History is designed to put the skills of the historian into action in research, exploration of new ideas, synthesis of ideas, discussions with colleagues, and presentations of work. This course will help students nearing the end of their undergraduate career to think of history in a broader context and in multiple ways, mobilizing what they have learned toward a career path, graduate school, or teaching among other pathways for the history graduate.

Prerequisite(s): HIST3001 >= C

HIST 4990 - Undergraduate Research in History (3 Credit Hours)

Broadly-based undergraduate research course with the topic tailored to the instructor's area of specialization or student preference. Course will give attention to historical research and writing. A formal paper may be required but other platforms -- websites, oral history interviews, or general research practices might be covered.

Prerequisite(s): (HIST1111 >= C and HIST1112 >= C and HIST2111 >= C or HIST2111H >= C and HIST2112 >= C or HIST2112H >= C and HIST3001 >= C)

HIST 5111 - History and Culture of Africa (3 Credit Hours)

A survey of the political, economic, social, and intellectual history of the African continent from ancient times to the present.

HIST 5211 - History and Culture of East Asia (3 Credit Hours)

A survey of Asian civilizations emphasizing cultural institutions and reactions to Western encroachment.

HIST 5311 - Modern Russia (3 Credit Hours)

Russia from the late nineteenth century to the present. Origins, development, and collapse of the Soviet state.

HIST 5371 - England to 1689 (3 Credit Hours)

A study of the origins and development of England politically, economically, socially, and culturally from the earliest settlements through the Revolution of 1688 establishing constitutional monarchy.

HIST 5381 - England Since 1689 (3 Credit Hours)

A study of the constitutional developments, rise of parliamentary supremacy, impact of the Industrial Revolution, and institutional and social reforms in the nineteenth and twentieth centuries.

HIST 5391 - Colonialism and Nationalism of the British Empire (3 Credit Hours)

A survey of the political, economic, social, and intellectual history of the British Empire and commonwealth.

HIST 5431 - African American History to 1877 (3 Credit Hours)

An examination of the origins of man; the kingdoms of West Africa; African political, economic, and social systems; the slave trade; slavery in the Americas; and the experiences of African Americans through the presidential election of 1876.

HIST 5441 - African American History since 1877 (3 Credit Hours)

An examination of the lives of black Americans in their search for freedom in the South, North, and West following the presidential election of 1876 and into the twentieth century.

HIST 5491 - Military History of the United States (3 Credit Hours)

Overview of American military history from colonization to the present, including major wars, campaigns, battles, institutional and organizational development, and strategy.

HIST 5531 - History of Mexico (3 Credit Hours)

An examination of Mexico's history. Topics include: indigenous civilizations prior to European contact, Spanish conquest, colonial society, the independence period, and a social, political, and economic survey of the turbulent modern era.

HIST 5591 - United States and Latin American Relations (3 Credit Hours)

A study of the cultural, commercial, and diplomatic relations among the American republics.

HIST 5610 - History of Modern Health and Medicine (3 Credit Hours)

This course covers the social, intellectual, and cultural history of Western health and medicine from the eighteenth century to the present. The course will cover how health, medicine, and disease are framed within social, cultural, and institutional values, with an emphasis on the rise and complexities of scientific medicine.

HIST 5711 - Georgia History (3 Credit Hours)

A study of the history of Georgia that focuses on state and local history and shows the connections with national and world events. This course fulfills the legislative requirement for Georgia history.

HIST 5811 - Topics in the Islamic World (3 Credit Hours)

A survey of the political, economic, social, and intellectual history of the predominantly Muslim-populated regions in the Eastern Hemisphere from the seventh century to the present.

HIST 5851 - Military History of the Western World (3 Credit Hours)

Warfare in the western world from ancient times through the eighteenth century. Attention will be given to military doctrine, technology, and style, and the effect of war on the development of the west.

HIST 6011 - History of Women (3 Credit Hours)

This course will examine the history of women in either a geographical or topical approach. Or, the course will be centered on a particular cross-cultural topic, such as suffrage, family roles, leaders, religion, etc. In all cases, this course is intended to explore the paradox between the ideal woman and actual treatment of women in a given era, society, culture, or movement.

HIST 6021 - Gender and Family History (3 Credit Hours)

This is an in-depth look at the relationship between men and women with particular emphasis on their roles in the family. The course will look at childhood, marriage, work, and cultural practices in a particular period from antiquity to modernity. Primary and secondary sources will provide comparisons between men and women in both the elite and common sectors of society. *May be repeated for credit up to 98 times.*

HIST 6111 - History of World Religions (3 Credit Hours)

This is a survey course introducing the study of religion. The students will define what "religion" is, examine why so many people in the history of the world find religion important, and try to understand some of the major tenets of the religions of the world. This course is designed with the theme of ethics and morals as defined by cultures and religions around which many of the readings and discussions will take place.

HIST 6211 - The Middle East 622 -1914 (3 Credit Hours)

A survey of the political, economic, social, and intellectual history of the Middle East from the time of the Prophet Muhammad to the Ottoman Empire's entry into the first World War.

HIST 6221 - The Modern Middle East (3 Credit Hours)

A survey of the political, economic, social, and intellectual history of the Middle East from the first World War to the present including such subjects as western imperialism, Arab nationalism, and the Arab-Israeli

conflict and peace process.

HIST 6231 - History of Modern Israel (3 Credit Hours)

A examination of the political, economic, social and intellectual history of Israel and the Palestinian territories since 1948 with background provided on Palestine since the 19th century under Ottoman and later British rule as well as the origins of Zionism and Palestinian Arab nationalism.

HIST 6361 - Age of Reason and Enlightenment (3 Credit Hours)

A study of European institutions and ideas in the seventeenth and eighteenth centuries with special attention to the growth of absolute monarchies, to discoveries in the sciences, and to the application of reason to the progress of human development.

HIST 6371 - Age of Revolutions (3 Credit Hours)

A study of causation, methodology, and effectiveness of revolutions as they occurred in Europe and America from the 1600s through 1917.

HIST 6381 - Nineteenth Century Europe (3 Credit Hours)

An examination of the transition of the European states from agricultural, semi-feudal monarchies to industrialized great powers.

HIST 6391 - Twentieth Century Europe (3 Credit Hours)

Major trends in European history from the Russian Revolution of 1905 to the present.

HIST 6401 - Colonial and Revolutionary America (3 Credit Hours)

A study of the colonization of North America by Europeans; the interaction of native peoples with the colonizers; the political, economic, social, and cultural growth of the colonies; the relationship between England and its colonies; and the American Revolution.

HIST 6411 - United States from the Confederation to 1850 (3 Credit Hours)

An in-depth study of the political, economic, social, and cultural development of America during the Confederation, Federalist, Jeffersonian, and Jacksonian periods.

HIST 6421 - Civil War and Reconstruction (3 Credit Hours)

A study of the causes of the American Civil War, the major military campaigns and engagements, and the problems of the nation after the war.

HIST 6431 - US From the Gilded Age to the Great Depression (3 Credit Hours)

An in-depth study of the political, economic, social, and cultural development of America and of American foreign relations during the Gilded Age, Progressive Era, World War I, and the 1920s.

HIST 6451 - National Security and Foreign Policy, 1898 - (3 Credit Hours)

The emergence of the United States as a world power, the origins and impact of the Cold War, and the forces that have shaped America's relationship with the world.

HIST 6471 - The Old South (3 Credit Hours)

A study of the American South from the beginnings of European settlement to the Civil War with emphasis on slavery, the development of southern culture, and other topics.

HIST 6481 - The New South (3 Credit Hours)

A study of the American South since Reconstruction with emphasis on race relations, the evolution of southern culture, and other topics.

HIST 6491 - The American West (3 Credit Hours)

An examination of the westward movement and those factors that defined the west as a land of opportunity; the significance of race, ethnicity, and gender in the west's creation; and the role of the west in shaping the identity and image of the United States.

HIST 6600 - Early Medical History (3 Credit Hours)

This course investigates the premodern history of medical practice and understanding of the human body and disease. The readings begin with some grounding in early Homo sapiens and proceed chronologically for the most part to the end of the sixteenth century. The course will look generally at the global and cultural exchange of ideas about the body and disease, differing views on the body and health, rationalities behind various methods of healing, practitioners of medicine, the role of faith and superstition, law and regulation surrounding the practice of medicine and distribution of drugs, and treatment (including prosthetics) of disabilities and the disabled.

HIST 6950 - Selected Topics (1 to 4 Credit Hours)

Content of course varies. *May be repeated for credit.*

HIST 2111H- Honors: United States to 1877 (3 Credit Hours)

A survey of American history to the post-Civil War period. A satisfactory grade will exempt a student from the requirement of passing before graduation an examination on the history of the United States and the history of Georgia. This is an honors course.

HIST 2112H- Honors: United States Since 1877 (3 Credit Hours)

A survey of the United States from the post-Civil War period to the present. A satisfactory grade will exempt a student from the requirement of passing before graduation an examination on the history of the United States and the history of Georgia. This is an honors course.

HONORS (HONR)**HONR 1900 - Honors: Contemporary Issues (3 Credit Hours)**

An interdisciplinary exploration of an important issue or theme at a level consistent with freshman or sophomore honors standing. Variable topics. Topic chosen by student/faculty committee. Prerequisite(s): Admission to the Honors Program or permission of the Honors Program Committee. Freshman or sophomore status. *May be repeated for credit.*

HONR 2950 - Selected Topics (3 Credit Hours)

A variable topics honors course that allows faculty to experiment with innovative lower division course offerings. These courses will be approved by the faculty member's department and by the Honors Committee. These courses can, with the approval of the department or departments responsible for core offerings, count in the core by course substitution. Prerequisite(s): Admission to the Honors Program or permission of the Honors Program Committee. *May be repeated for credit.*

HONR 2999H - Honors: Project Proposal (0 to 1 Credit Hour)

A mentored project wherein students work closely with honors program leadership and a faculty panel to develop a suitable topic for an honors thesis and compose a thesis proposal that describes the project to be undertaken, the academic or artistic significance of the project, and the methods and procedures to be followed. All members of the panel must approve this proposal before the student may begin HONR 3999H: Honors: Thesis Prospectus. Hours credit determined by honors advisor and student.

HONR 3900H - Honors: Breaking Boundaries (2 to 3 Credit Hours)

An interdisciplinary and/or multicultural seminar which aims to cross boundaries between the disciplines and/or between cultures within the United States or within the world. The course provides an in-depth examination of variable selected topics at a level consistent with junior or senior honors standing. Topic

chosen by student/faculty committee. Prerequisite(s): Junior or senior status and (1) admission to the Honors Program or (2) permission of the Honors Program committee. *May be repeated for credit.*

HONR 3999H - Honors: Thesis Prospectus (1 Credit Hour)

A directed project wherein the student works closely with an honors advisor, usually in their major department, to develop an acceptable honors thesis proposal. The proposal will include a description of the proposed honors project: its purpose, its extent, and its expected outcome; an assessment of materials needed and available for the proposed project; a calendar for work on the proposed thesis. The finished proposal will be submitted to the Honors Committee for comment and approval.

Grade Mode: Normal (A, B, C, D, F)

HONR 4000H - Honors Thesis (2 to 3 Credit Hours)

A directed project wherein an individual works closely with an honors advisor, usually in their major department, to develop an acceptable honors thesis based on an approved thesis proposal designed in HONR 3999H. Depending on the field in which the work is being done, an honors thesis may take a variety of forms: e.g. traditional library research, an original piece of quantitative or qualitative research, a critical or appreciative essay, an exhibit or performance accompanied by a reflective, analytic essay, a substantial work of fiction or poetry, or an analysis growing out of an internship. The thesis will be reviewed and discussed with members of a panel established by the Honors Committee who will share their comments and recommendations with the writer and advisor. The evaluation of the thesis and the awarding of credit are the responsibility of the advisor. Credit hours are determined on a case-by-case basis by honors advisor, department chair, and Honors panel chair.

Prerequisite(s): HONR 3999H $\geq$ C

HONR 4500H - Honors Capstone (1 Credit Hour)

An integrative course providing a vehicle for self-assessment and for program-assessment. Variable content defined by the graduating honors students. Provides opportunity for possible presentation of honors thesis and mentoring of other honors students.

HEALTH PROFESSIONS EDUCATION (HPEC)

HPEC 7001 - Introduction to Health Professions Education (1 Credit Hour)

This course provides a general introduction to health sciences education and research. Focus will be on terminology used in education research, including health sciences education, concepts in education science, finding and reading health science education research and an introduction to health science education and social science research methodology. This course also will provide a general overview of the culminating experience which will occur at the conclusion of the HPEC program.

HPEC 7002 - Learning Theories in Health Professions Education (2 Credit Hours)

This course provides an introduction to general learning theories and medical education theory. The focus of this course is on the exploration of learning theories and how they apply to instructional methods and designs. By examining a variety of learning theories, students will identify a range of principles, perspectives, and tools that will be useful in understanding learning and teaching in a variety of contexts.

HPEC 7003 - Contextual Factors in Health Professions Education (1 Credit Hour)

This course provides an introduction to contextual factors that influence teaching and learning. The focus of this course is on the exploration of a variety of contextual factors and how they impact and influence instructional methods and designs. By examining a variety of contextual factors, students will identify a range of principles, perspectives, and tools that will be useful in understanding learning and teaching in a variety of contexts. Some contextual factors that will be addressed include, but are not limited to: socioeconomic, environmental, and cultural influences.

HPEC 7004 - Designing Research in Health Professions Education (1 Credit Hour)

This course provides a general introduction to planning and conducting research in health professions

education. Focus will be on conducting a literature review, designing a study (quantitative or qualitative) including a sampling plan, instruments for data collection and data collection strategy.

HPEC 7005 - Determining Learning Objectives and Competencies (1 Credit Hour)

This course provides an introduction to learning objectives and learner outcomes of teaching and learning. The focus of this course is on the exploration and development of learning objectives and learner outcomes, how they influence instructional methods, assessment, and design. By examining a variety of learning objectives and learner outcomes, students will identify a range of principles, perspectives, and tools that will be useful in developing appropriate instructional engagements and assessments.

HPEC 7006 - Best Practices in Assessment Module (1 Credit Hour)

This online course provides a critical examination of best practices of assessments in health professions education. Topics include but are not limited to formative assessment, summative assessment, the relationship between learning outcomes (competencies) and assessment, validity and reliability, effective feedback, self-assessment, and reflection. In addition, the concepts of validity and reliability will be explored.

HPEC 7007 - Assessment Methods Module (1 Credit Hour)

This online course provides a critical examination of the variety of assessments available in health professions education. Topics include but are not limited to multiple choice questions, rating scales, checklists, simulations, observations, objective structured clinical exams, essay questions, peer assessments, self-assessments, reflection, and portfolios.

HPEC 7008 - Online Teaching (1 Credit Hour)

This course provides a critical examination of various technology strategies to enhance learning experiences in health professions education. The course will focus on teaching and assessment methods that stimulate achievement of learners.

HPEC 7009 - Clinical Teaching (1 Credit Hour)

This course provides a critical examination of various instructional strategies to enhance learning experiences in health professions education. Techniques will focus on teaching methods in a clinical setting and educator behaviors that stimulate achievement of learners.

HPEC 7010 - Classroom Teaching (1 Credit Hour)

This course provides a critical examination of various instructional strategies to enhance learning experiences in health professions education. Techniques will focus on active learning methods in classroom teaching and educator behaviors that stimulate achievement of learners.

HPEC 7011 - Data Analysis for Health Profession Education (1 Credit Hour)

This course provides a basic instruction and practice in the analysis on qualitative and quantitative data especially as it relates to health professions education.

Prerequisite(s): HPEC 7001 and HPEC 7004

HPEC 7012 - Research Practicum in Health Professions Education (1 Credit Hour)

This course is designed to provide guidance to HPE Certificate students in the completion of a publishable research project in medical education.

Prerequisite(s): HPEC 7001 and HPEC 7002 and HPEC 7003 and HPEC 7004 and HPEC 7005 and HPEC 7006 and HPEC 7007 and HPEC 7008 and HPEC 7009 and HPEC 7010

HUMANITIES (HUMN)

HUMN 2010 - Human Experience and Meaning (3 Credit Hours)

This course examines how significant forms of human expression relate to the beliefs and values of the culture that produced them and the broader human quest for meaning. This examination may include works of art, literature, music, film, philosophy, or sacred texts and rituals. Students learn to interpret the form and content of these expressions as contributions to a broader discussion—both within and among different cultures—about purpose, meaning, and value in the human experience. *May be repeated for credit.*

HUMN 2950 - Selected Topics (1 to 3 Credit Hours)

A variable-content interdisciplinary course which exploits the approach of two or more academic disciplines to explore topics of interest to lower-division undergraduate students. *May be repeated for credit.*

Prerequisite(s): ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C

HUMN 4950 - Selected Topics (1 to 3 Credit Hours)

Variable topics focusing on (1) the intellectual and aesthetic movements of a particular period or culture; (2) critical-theoretical approaches to the study of literature, music, and art; and (3) interdisciplinary topics in the Humanities. *May be repeated for credit.*

HUMN 2010H- Honors Human Experience and Meaning (3 Credit Hours)

This course examines how significant forms of human expression relate to the beliefs and values of the culture that produced them and the broader human quest for meaning. This examination may include works of art, literature, music, film, philosophy, or sacred texts and rituals. Students learn to interpret the form and content of these expressions as contributions to a broader discussion—both within and among different cultures—about purpose, meaning, and value in the human experience. This is an honors course.

INDICATIONS-BASED TREATMENT SOLUTIONS (IBTS)

IBTS 5601 - Indications-Based Treatment Solutions Seminar (0 to 1 Credit Hour)

Advanced treatment planning concepts will be presented to senior students.

INTERDISCIPLINARY STUDIES - RESIDENT (IDSR)

IDSR 6040 - Orthodontic-Oral Maxillofacial Surgery Conference I (1 Credit Hour)

Orthodontic-Oral Maxillofacial Surgery Conference occurs monthly, normally on the third Thursday of each month. Cases are presented and discussed by residents and faculty. Additionally, Ortho/Orthognathic related didactic presentations/lectures are given. *May be repeated for credit up to 2 times.*

IDSR 6041 - Orthodontic-Oral Maxillofacial Surgery Conference II (1 Credit Hour)

Orthodontic-Oral Maxillofacial Surgery Conference occurs monthly, normally on the third Thursday of each month. Cases are presented and discussed by residents and faculty. Additionally, Ortho/Orthognathic related didactic presentations/lectures are given. *May be repeated for credit up to 2 times.*

IDSR 7001 - Esthetics and Ceramics Seminar (1 Credit Hour)

This is an interdisciplinary clinical seminar for dental residents in the AEGD, GPR and Prosthodontics advanced education certificate programs. The course is designed to enable residents to develop an in-

depth knowledge and understanding of treatment planning and design of esthetic, fixed prosthodontic anterior dental restorations. *May be repeated for credit up to 2 times.*

IDSR 7002 - Esthetics and Ceramics Seminar (1 Credit Hour)

This is an interdisciplinary clinical seminar for dental residents in the AEGD, GPR and Prosthodontics advanced education certificate programs. The course is designed to enable residents to develop an in-depth knowledge and understanding of treatment planning and design of esthetic, fixed prosthodontic anterior dental restorations.

Grade Mode: Satisfactory/Unsatisfactory, Normal (A, B, C, D, F)

IDSR 7003 - Esthetic and Restorative Procedures in General Dentistry I (2 Credit Hours)

This course will establish in-depth knowledge of treatment planning and design for direct and indirect esthetic restorations, develop in-depth knowledge of all composite and ceramic systems and their clinical selection criteria, and develop in-depth knowledge of composite layering techniques, cement selection and step-by-step bonding protocols for ceramic restoration. *May be repeated for credit up to 2 times.*

IDSR 7004 - Esthetic and Restorative Procedures in GD II (2 Credit Hours)

This course will establish in-depth knowledge of treatment planning and design for direct and indirect esthetic restorations, develop in-depth knowledge of all composite and ceramic systems and their clinical selection criteria, and develop in-depth knowledge of composite layering techniques, cement selection and step-by-step bonding protocols for ceramic restoration. *May be repeated for credit up to 2 times.*

IDSR 7009 - Periodontic – Prosthodontic Dental Implantology Seminar (1 Credit Hour)

This course is an interdisciplinary seminar for periodontic and prosthodontic postgraduate students that provides a thorough review and understanding regarding different aspects of dental Implant therapy. Presentations are developed and presented by each resident every other week on selected topics associated with dental Implant therapy. Guest/faculty lectures on different related topics are included as well. *May be repeated for credit up to 4 times.*

IDSR 7032 - Periodontics/Pediatric Dentistry Seminar (1 Credit Hour)

This course is an interdisciplinary literature review seminar for periodontic and pediatric dentistry postgraduate students. Scientific literature pertinent to the clinical practice of both dental specialties is reviewed and discussed for the purpose of supporting evidence-based clinical practice. The residents are responsible for studying and discussing the literature on assigned topics. *May be repeated for credit up to 2 times.*

IDSR 7040 - Orthodontic-Oral Maxillofacial Surgery Conference III (1 Credit Hour)

Orthodontic-Oral Maxillofacial Surgery Conference occurs monthly, normally on the third Thursday of each month. Cases are presented and discussed by residents and faculty. Additionally, Ortho/Orthognathic related didactic presentations/lectures are given. *May be repeated for credit up to 2 times.*

IDSR 7041 - Orthodontic-Oral Maxillofacial Surgery Conference IV (1 Credit Hour)

Orthodontic-Oral Maxillofacial Surgery Conference occurs monthly, normally on the third Thursday of each month. Cases are presented and discussed by residents and faculty. Additionally, Ortho/Orthognathic related didactic presentations/lectures are given. *May be repeated for credit up to 2 times.*

IDSR 8001 - Esthetics and Ceramics Seminar (1 Credit Hour)

This is an interdisciplinary clinical seminar for dental residents in the AEGD, GPR and Prosthodontics advanced education certificate programs. The course is designed to enable residents to develop an in-depth knowledge and understanding of treatment planning and design of esthetic, fixed prosthodontic

anterior dental restorations.

IDSR 8002 - Esthetics and Ceramics Seminar (1 Credit Hour)

This is an interdisciplinary clinical seminar for dental residents in the AEGD, GPR and Prosthodontics advanced education certificate programs. The course is designed to enable residents to develop an in-depth knowledge and understanding of treatment planning and design of esthetic, fixed prosthodontic anterior dental restorations.

Grade Mode: Satisfactory/Unsatisfactory, Normal (A, B, C, D, F)

IDSR 8008 - Esthetics and Function (1 Credit Hour)

This course is an interdisciplinary seminar for orthodontic, periodontic and prosthodontic residents. In this course, residents discuss and work together to treatment plan comprehensive cases, common to each specialty and involving functional and esthetic problems. Following presentation of the case, etiologic factors, prognosis, and treatment plans are discussed by the participants. Evaluation of the treatment plan options is conducted in group discussions with faculty and residents from each discipline.

Presentations are critiqued and alternative therapy discussed by residents and faculty. Residents must support their diagnoses and treatment approaches with references from the scientific literature, and compare the results of their treatment with that reported previously in clinical trials. Emphasis is placed on a comprehensive analysis and sequencing of treatment from a prosthodontic, periodontic, and orthodontic standpoint. *May be repeated for credit up to 2 times.*

IDSR 8020 - Endodontics/Pediatric Dentistry Seminar (1 Credit Hour)

This course is an interdisciplinary seminar series for endodontic and pediatric dentistry postgraduate students provided every other fall semester. This course is designed to provide the resident with the instructional background necessary to diagnose and treat the pulpal problems of primary and young permanent teeth. The prevention and management of pulpal and periapical pathosis in the primary and young permanent dentitions is emphasized.

IDSR 8040 - Orthodontic-Oral Maxillofacial Surgery Conference V (1 Credit Hour)

Orthodontic-Oral Maxillofacial Surgery Conference occurs monthly, normally on the third Thursday of each month. Cases are presented and discussed by residents and faculty. Additionally, Ortho/Orthognathic related didactic presentations/lectures are given. *May be repeated for credit up to 2 times.*

IDSR 8041 - Orthodontic-Oral Maxillofacial Surgery Conference VI (1 Credit Hour)

Orthodontic-Oral Maxillofacial Surgery Conference occurs monthly, normally on the third Thursday of each month. Cases are presented and discussed by residents and faculty. Additionally, Ortho/Orthognathic related didactic presentations/lectures are given. *May be repeated for credit up to 2 times.*

IDSR 9001 - Esthetics and Ceramics Seminar I (1 Credit Hour)

This is an interdisciplinary clinical seminar for dental residents in the AEGD, GPR and Prosthodontics advanced education certificate programs. The course is designed to enable residents to develop an in-depth knowledge and understanding of treatment planning and design of esthetic, fixed prosthodontic anterior dental restorations. *May be repeated for credit up to 2 times.*

IDSR 9002 - Esthetics and Ceramics Seminar II (1 Credit Hour)

This is an interdisciplinary clinical seminar for dental residents in the AEGD, GPR and Prosthodontics advanced education certificate programs. The course is designed to enable residents to develop an in-depth knowledge and understanding of treatment planning and design of esthetic, fixed prosthodontic anterior dental restorations. *May be repeated for credit up to 2 times.*

Grade Mode: Satisfactory/Unsatisfactory, Normal (A, B, C, D, F)

IDSR 9008 - Interdisciplinary Seminars: Esthetics and Function (1 Credit Hour)

This course is an interdisciplinary seminar for orthodontic, periodontic and prosthodontic residents. In this course, residents discuss and work together to treatment plan comprehensive cases, common to each specialty and involving functional and esthetic problems. Following presentation of the case, etiologic factors, prognosis, and treatment plans are discussed by the participants. Evaluation of the treatment plan options is conducted in group discussions with faculty and residents from each discipline. Presentations are critiqued and alternative therapy discussed by residents and faculty. Residents must support their diagnoses and treatment approaches with references from the scientific literature, and compare the results of their treatment with that reported previously in clinical trials. Emphasis is placed on a comprehensive analysis and sequencing of treatment from a prosthodontic, periodontic, and orthodontic standpoint. *May be repeated for credit up to 2 times.*

IDSR 9040 - Orthodontic-Oral Maxillofacial Surgery Conference VII (1 Credit Hour)

Orthodontic-Oral Maxillofacial Surgery Conference occurs monthly, normally on the third Thursday of each month. Cases are presented and discussed by residents and faculty. Additionally, Ortho/Orthognathic related didactic presentations/lectures are given. *May be repeated for credit up to 2 times.*

IDSR 9041 - Orthodontic-Oral Maxillofacial Surgery Conference VIII (1 Credit Hour)

Orthodontic-Oral Maxillofacial Surgery Conference occurs monthly, normally on the third Thursday of each month. Cases are presented and discussed by residents and faculty. Additionally, Ortho/Orthognathic related didactic presentations/lectures are given *May be repeated for credit up to 2 times.*

INFORMATION LITERACY (ILIT)**ILIT 1500 - Introduction to Information Literacy (3 Credit Hours)**

Introduction to information literacy introduces students to information literacy concepts and practices relevant to academic and professional success. These concepts include understanding information in the twenty-first century, using communication and information technology to find information sources, evaluating information sources of all kinds, creating information, and communicating information in different modalities. Students will be exposed to both theoretical concepts and technical skills related to information literacy, with a focus on critical thinking and self-development.

ACADEMIC INQUIRY (INQR)**INQR 1000 - Fundamentals of Academic Inquiry (1 Credit Hour)**

Discovery, exploration, and analysis of ideas that faculty members across a variety of disciplines, study and investigate.

INQR 1000H- Honors: Fundamentals of Academic Inquiry (1 Credit Hour)

Discovery, exploration, and analysis of ideas that faculty members across a variety of disciplines study and investigate. This is an honors course.

INTEGRATED STUDIES (INTS)**INTS 4970 - Integrated Studies Culminating Experience (3 Credit Hours)**

The course serves as a culminating experience for students majoring in integrated studies. The course is intended to integrate students' area of emphasis with their area of support through completing an internship, independent study, study abroad or away, or thesis. Students will complete one of these experiences along with their integrated studies portfolio.

INTEGRATED SCIENCE (ISCI)

ISCI 2001 - Life/Earth Sciences for Elementary Education (3 Credit Hours)

Provides early childhood education majors with hands-on experiences in the life sciences and earth sciences that can be incorporated into the P-4 classroom. Emphasis is placed on experimentation and activities, their use in the understanding of concepts in the life and earth sciences, and their direct application in the P-4 classroom.

Prerequisite(s): MATH 1111 >= C or MATH 1113 >= C or MATH 1001 >= C

ISCI 2002 - Foundations of Physical Science (3 Credit Hours)

A Field of Study course for Early Childhood Education majors that focuses upon the most fundamental aspects of physics and chemistry. Conceptual understanding through exploration and experimentation is employed to develop long-term connections to the formulaic components of the physical sciences.

Prerequisite(s): MATH 1111 >= C or MATH 1113 >= C or MATH 1001 >= C

Additional Course Fee: Science Lab Fee - \$40 Flat Fee

KINESIOLOGY AND HEALTH SCIENCE (KNHS)

KNHS 2100 - Introduction to Nutrition (3 Credit Hours)

This course provides an introduction to the science of nutrition with emphasis on essential nutrients, needs throughout the life span, nutritional assessment of individuals and populations, nutritional aspects of disease, food policies, regulatory agencies, and current issues regarding these topics.

KNHS 2200 - CPR, First Aid and Sport Safety (1 Credit Hour)

This course introduces students to adult, infant and child CPR; First Aid, automated external defibrillation training, and sports related injury prevention.

KNHS 2300 - Introduction to Medical Terminology (3 Credit Hours)

This course will enable students to identify and explain the function of specific word parts; describe how medical compound terms (words) are constructed; interpret and understand medical course content, literature, records, and research from a wide variety of academic disciplines.

KNHS 2350 - Health and PE at Early Childhood (2 Credit Hours)

This course presents the Early Childhood teacher education candidate with a guide for teaching health and physical education. In addition, this course may be used as a supplement for implementing a sound program.

KNHS 3100 - Introduction to Kinesiology and Health Science (3 Credit Hours)

An overview of the foundations of the various dimensions of kinesiology and health science in the concentrations of exercise and sports science, pre-physical therapy, health science, nutrition, and teaching health and physical education. Course will include exposure to ethical professional behavior.

KNHS 3210 - Motor Behavior (3 Credit Hours)

The theory and application of motor skill development and the behavioral characteristics of participants in motor activities will be discussed.

KNHS 3220 - Structural Kinesiology (3 Credit Hours)

A study of the structural basis underlying human motion, with emphasis on the skeletal, muscular, and nervous systems. An analysis of the mechanical principles which apply to the techniques used in physical activity, sport, and dance, including principles of kinetics and kinematics.

Prerequisite(s): (BIOL2111 >= C or BIO111 >= C) and (BIOL2112 >= C or BIO112 >= C)

KNHS 3300 - Practicum in Kinesiology (3 Credit Hours)

The purpose of the practicum is to provide the student hands-on/real-world experience in their chosen field of interest. Possible practicum experiences include, but are not limited to: working in a clinical setting such as physical therapy, hospital, or occupational therapy, conducting research with faculty, community outreach and corporate wellness, or working in a fitness center. All practicum locations must be pre-approved by an advisor and site coordinator.

KNHS 3310 - Sport and Exercise Psychology (3 Credit Hours)

This course examines physical activity as a health behavior and health-related dimension of physical fitness. The association between physical activity and fitness are analyzed. Other topics include health habits, chronic diseases, the behavior physiology of stress and mental health. Applications of psychology and exercise are examined.

KNHS 3311 - Sexuality, Gender, and Health in the Professional Workplace (3 Credit Hours)

This course is designed to introduce the student to the multifaceted study of human sexual behavior and the impact related issues have on the professional environment. Emphasis will be on the impact these behaviors have both professionally and ethically on personnel in health, fitness, and education-based careers.

KNHS 3312 - Current Issues in Health and Diseases (3 Credit Hours)

This course will focus on medically-related issues associated with kinesiology-based professions. Discussions will include chronic and acute disease states, pharmacological issues, special populations, and musculoskeletal conditions and how they relate to clients, students, and co-workers.

KNHS 3313 - Teaching and Assessing Physical Activity and Fitness (3 Credit Hours)

Candidates will learn about developmentally appropriate fitness education and assessment for students at all grade levels. The purpose of the course is to develop skills and knowledge related to teaching and assessing physical activity and fitness in K-12 public school settings and other movement-related contexts.

KNHS 3314 - Teaching and Coaching Team Sports and Lifetime Activities (3 Credit Hours)

The intent of this course is to develop teacher candidates' and perspective coaches' motor skill competencies, content knowledge, and pedagogic techniques for selected team sports and recreational activities.

KNHS 3315 - Teaching and Coaching Individual and Dual Sports and Lifetime Activities (3 Credit Hours)

The intent of this course is to develop teacher candidates' and perspective coaches' motor skill competencies, content knowledge, and pedagogic techniques for selected individual, dual, and recreational activities.

KNHS 3316 - Movement and Dance Methods (2 Credit Hours)

The physical education teacher candidate is introduced to the concepts and qualities of human movement, instructional strategies for teaching dance, rhythms, stunts and tumbling, educational games and gymnastics.

KNHS 3319 - Exercise Physiology (3 Credit Hours)

This course is an in-depth study of the physiology of exercise. Emphasis will be placed on energy metabolism during exercise and its relationship to the circulatory, pulmonary, and neuroendocrine systems.

Prerequisite(s): (BIOL2111 >= C or BIO111 >= C) and (BIOL2112 >= C or BIO112)

KNHS 3321 - Foundations of Teaching Sport and Physical Education (3 Credit Hours)

This course is the initial pedagogy experience for teacher education candidates and kinesiology-related majors interested in teaching physical education and/or coaching sports. Various teaching styles and skills necessary to develop and maintain an effective learning environment will be examined.

KNHS 3343 - Elementary Methods of Physical Education and Health (3 Credit Hours)

The purpose of this course is to enable the teacher education candidate to create a variety of learning opportunities for students that will be developmentally appropriate for children.

KNHS 3420 - Instructional Strategies in Health Science (3 Credit Hours)

This course is designed to offer the student a theoretical and practical introduction to the discipline of health science education as a tool in both the academic and community setting.

KNHS 3430 - Understanding Behavioral Changes Towards Healthy Lifestyles (3 Credit Hours)

This course examines the psychology of physical activity. Associations between physical activity and health habits, chronic disease, mental health and stress are explored. An emphasis is placed on behavioral skills associated with the adoption of a physically active lifestyle.

KNHS 3440 - Health Promotion Program Design and Assessment (3 Credit Hours)

This course will focus on the theory and processes of planning, implementing, and evaluating health promotion programs. This course presents methods for the identification of population-based needs for public health intervention, development of programs to meet those needs, and evaluation of the effectiveness of these public health interventions. The course integrates several knowledge and skill areas including: research methods, statistics, proposal writing, budget planning, project management, and program evaluation.

KNHS 3640 - Applied Community Assessments (3 Credit Hours)

Introduces the concepts of applied assessments and screenings that can be used in community, school, and other public settings. These assessments are an important component of preventive healthcare and play an important role in informing about an individual's overall well-being. Students learn through lectures and practical technique training how to conduct basic assessments.

KNHS 4210 - Fitness Assessment and Exercise Prescription (3 Credit Hours)

This course is an introduction to basic principles of fitness and wellness. The measurement prescription and evaluation of health-related factors of physical fitness are critical elements. Practical experience in fitness and wellness programming will be an integral part of this course.

Prerequisite(s): BIOL2111 >= C and BIOL2112 >= C

KNHS 4225 - Personal Training Instruction (3 Credit Hours)

This course is designed to introduce students to concepts of integrated exercise training including basic sciences, exercise technique and training, program design, and professional development and responsibility based on the National Academy of Sports Medicine's (NASM) Optimum Performance Training model. At completion of the course, students may take the NASM certified personal trainer exam at a reduced price.

KNHS 4230 - Biomechanics (3 Credit Hours)

Provides an understanding of the basic biomechanical principles of movement and their application to sports and human performance.

Prerequisite(s): KNHS 3220 >= C and BIOL 2251 >= C and BIOL 2252 >= C

KNHS 4240 - Strength Training and Conditioning (3 Credit Hours)

A study of the fundamental concepts of human physiology and exercise physiology as they apply to programs of physical conditioning, training, and physical fitness. Theories, current research, and laboratory techniques for assessing human physiological responses to exercise, physical training, health-related physical fitness, and sport performance will be studied. This class is designed as a preparation for the Certified Strength and Conditioning Specialist (CSCS) exam.

Prerequisite(s): BIOL 2251 >= C and BIOL 2252 >= C and (KNHS 3319 >= C or KNHS 3220 >= C)

KNHS 4300 - Health Literacy (3 Credit Hours)

Health literacy is an essential part of health services to ensure proper use of services, care, and maintenance of health. Problems with health literacy effect all people and it is important for individuals in healthcare to take an active role in health literacy decisions. This course is designed to examine the assessment and application of health literacy best practices through lectures, discussions, project development, and student presentations.

KNHS 4310 - Global Health and Health Disparities (3 Credit Hours)

This course will explore global health issues and related concerns regarding health disparities. Students will be able to better relate local and national health and cultural topics to worldwide concerns. The course will incorporate the rationale for and modes of intervention to improve global health and reduce health disparities.

Prerequisite(s): KNHS3312 >= C

KNHS 4311 - Epidemiology (3 Credit Hours)

The purpose of this course is to introduce the participant to the study of human disease and injury in terms of distribution, determinants, and etiology.

Prerequisite(s): BIOL2111 >= C and BIOL2112 >= C and KNHS3312 >= C and (MATH 2210 >= C or MATH 1401 >= C or MATH 1401H >= C)

KNHS 4312 - Biostatistics (3 Credit Hours)

The purpose of this course is to introduce the student to the theoretical and practical use of statistics as a tool utilized in the collection, analysis, and interpretation of mortality and morbidity data.

KNHS 4313 - Community and Public Health (3 Credit Hours)

This course helps students become effective public and community health educators by increasing knowledge in both public and community health areas and enhancing individual skills and competencies essential to this career field. The course provides an overview of the organization, role, and structure of community health agencies, with a specific emphasis on health education services. In addition, the course will cover the important role of national and global governance in public health.

KNHS 4320 - Principles of Exercise Therapy (3 Credit Hours)

This course will deal specifically with fitness and the factors involved in the measurements, prescription, and evaluation of adult populations. The rehabilitation of athletic and work-related injuries will be discussed. Concepts will be reinforced through laboratory experiences.

Prerequisite(s): (BIOL2111 >= C or BIO111 >= C) and (BIOL2112 >= C or BIO112 >= C)

KNHS 4330 - History and Philosophy of Kinesiology (3 Credit Hours)

The history of kinesiology will be presented with emphasis on the implications for modern kinesiology and sport. Critical thinking skills, problem solving skills, and ethical decision making will be stressed.

KNHS 4340 - Measurement and Evaluation in Kinesiology and Health Science (3 Credit Hours)

This course teaches how to collect, organize and analyze numerical data to find solutions to problems.

Subjects of interest studied in this course include an understanding of how to measure knowledge, physical performance, and affective behavior.

KNHS 4342 - Physical Education for Middle and Secondary School Students (3 Credit Hours)

Teacher education candidates will learn about developmentally appropriate physical education for youth in middle and high school (grades 6-12).

KNHS 4350 - Nutrition in Health and Human Performance (3 Credit Hours)

Examines the science of nutrition as related to health, disease, and human performance. Special emphasis on how nutrition impacts on development of human disease and possible prevention, and the unique nutritional requirements of athletes. Prerequisite(s): Permission of the instructor and Senior standing.

Prerequisite(s): KNHS 2100 >= C

KNHS 4360 - Assessment and Differentiation in Physical Education (3 Credit Hours)

This course introduces foundations and techniques for candidates to structure learning environments that address the variety of learning styles, interests, and abilities found within a physical education classroom. In addition, the process of assessment and reflection in physical education is examined in detail.

KNHS 4370 - Stress and Emotional Health (3 Credit Hours)

Stressors and their subjective experience – stress – are a part of everyday life, whether minor or major, acute or chronic. How one copes with stress has substantial influence on one's physical, emotional, cognitive, and interpersonal functioning. This course is designed to provide in-depth study of the field of stress and coping through lectures, discussions, student presentations, and the practice of stress management exercises.

KNHS 4380 - Substance Abuse and Health Education (3 Credit Hours)

Students will examine substance abuse and its connection with health education, including alcohol and other drugs, smoking, compulsive gambling, and sexual addictions. There will also be a focus on diversity in addicted populations, the business of drugs, and prevention.

KNHS 4400 - Group Exercise Training (3 Credit Hours)

This course is designed to provide theoretical knowledge and practical skills in preparation for a national certification exam in group fitness instruction. Topics include guidelines for instructing safe, effective, and purposeful exercise, essentials of the instructor-participant relationship, the principles of motivation to encourage adherence in the group fitness setting, effective instructor-to participant communication techniques, methods for enhancing group leadership, and the group fitness instructor's (GFI's) professional role.

KNHS 4410 - Working with Diverse Populations (3 Credit Hours)

Evaluates, analyzes, understands, and assesses the complexities of working with diverse populations as kinesiology professionals. The course explores responsible and practical cultural applications when working with various populations and communities.

KNHS 4950 - Selected Topics in Kinesiology (1 to 6 Credit Hours)

The content of this course is designed to meet the needs and interests of students who are assigned studies in selected areas of health and physical education related topics. Variable from one to six credit hours. Prerequisite(s): Permission from department. *May be repeated for credit up to 98 times.*

KNHS 4960 - Internship in Kinesiology and Health Promotion (12 Credit Hours)

The purpose of the internship is to provide the student with extensive experience in the health, fitness, and kinesiology-related professions. The internship will further the development of professional and

educational competence and provide students an opportunity to apply the knowledge/skills learned from their coursework to their chosen profession. Possible internship experiences include, but are not limited to: working in a clinical setting such as physical therapy, hospital, or occupational therapy, conducting research with faculty, community outreach and corporate wellness, or working in a fitness center. All internship locations must be pre-approved by an advisor and site coordinator.

KNHS 4970 - Health and Physical Education Student Teaching (15 Credit Hours)

The purpose of the apprenticeship teaching experience is to develop the essential professional knowledge and skills of teacher education candidates who wish to enter the profession of teaching physical education and health. Prerequisite(s): Completion of all required health and physical education teacher education certification courses.

KNHS 6311 - Behavioral Aspects of Physical Activity (3 Credit Hours)

This course examines physical activity as a health behavior and health-related dimension of physical fitness. Associations between physical activity and fitness with health habits, chronic diseases, the behavior physiology of stress, and mental health are examined.

KNHS 6312 - Cardiovascular Response to Exercise (3 Credit Hours)

This course will deal specifically with the cardiovascular function of the human body during physical exertion. Concepts will be reinforced through laboratory experiences.

KNHS 6313 - Principles of Strength and Conditioning (3 Credit Hours)

This course examines the principles of strength training. Included topics are the physiological responses to training as well as the practical considerations for developing a strength training program.

KNHS 6314 - Biomechanics (3 Credit Hours)

The purpose of this course is to provide students with an understanding of the basic biomechanical principles of movement and their application to sports and human performance.

KNHS 6321 - Foundations of Teaching Sport and Physical Education (3 Credit Hours)

This course is the initial pedagogy experience for teacher education candidates and kinesiology-related majors interested in teaching physical education and/or coaching sports. Various teaching styles and skills necessary to develop and maintain an effective learning environment will be examined.

KNHS 6331 - Organization and Administration of Physical Education and Athletic Programs (3 Credit Hours)

This course will provide the student with an understanding of personnel administration, physical education and athletic objectives, and program administration.

KNHS 6339 - Trends and Issues in Kinesiology and Health Sciences (3 Credit Hours)

The purpose of the course is to offer the graduate student an exploration of kinesiology and health science topics which, during the offering of the course, is under great discussion and contemplation within the professional community. Topics may differ between semesters.

KNHS 6342 - Physical Education for Middle and Secondary School Students (3 Credit Hours)

Candidates will learn about developmentally appropriate physical education for youth in middle and high school (grades 6-12). This course is designed to provide the teacher education candidate with the ability to plan and implement an effective middle school physical education program.

KNHS 6343 - Elementary Methods of Physical Education and Health (3 Credit Hours)

Teacher education candidates will learn about developmentally appropriate physical education for students in elementary school. The purpose of this course is to enable the teacher education candidate to create a variety of learning opportunities for diverse students that will be developmentally appropriate for children in grades K-12.

KNHS 6352 - Athletic Injuries, Care, and Prevention (3 Credit Hours)

This course is designed to provide the student an introduction to the recognition, care, and prevention of athletic injuries from a coach's perspective. It involves fulfilling the role of being a competent first responder to athletic injuries and illness in a variety of athletic contexts.

KNHS 6353 - Taking the Athlete to the Next Level (3 Credit Hours)

This course is designed to expose coaches to the psychological variables that have an effect on athletic performance and to equip them with the knowledge of NCAA rules and regulations to better support youth athletes transitioning from the recreation, club, and/or high school levels to competitive collegiate athletics.

KNHS 6354 - Foundations and Ethics of Sports Coaching (3 Credit Hours)

This course is a comprehensive introduction to the sports coaching profession. Foundational principles and practical applications associated with various dimensions of coaching are thoroughly examined. In addition, numerous ethical issues and moral dilemmas that are integral to a wide range of coaching contexts are presented and explored.

KNHS 6360 - Assessment and Differentiation in Physical Education (3 Credit Hours)

This course introduces foundations and techniques for candidates to structure learning environments that address the variety of learning styles, interests, and abilities found within a physical education classroom. In addition, the process of assessment and reflection in physical education is examined in detail both theoretically and in practice.

KNHS 6400 - Internship in Kinesiology and Health Science (3 Credit Hours)

This experience is designed to offer the graduate student a pragmatic and experiential exposure to the fields of kinesiology and/or health science. Prerequisite(s): Permission of the instructor.

KNHS 6411 - Motor Control and Learning (3 Credit Hours)

This course focuses on theory and application of motor skill development and the behavioral characteristics of participants in motor activities will be discussed. Topics include performance and skill, attentional factors, motivational factors, stress, and perceptual motor learning and classical research in motor learning.

KNHS 6413 - Statistics and Evaluation in Kinesiology (3 Credit Hours)

A study of basic statistics and other issues applied to the reliability and validity of cognitive, psychological, and physiological assessments of human movement.

KNHS 6430 - Advanced Health and Wellness (3 Credit Hours)

This purpose of this course is to offer the graduate student an in-depth survey of health science. Six content areas will be reviewed: physical, mental, social, spiritual, emotional, and environmental health. Current trends and issues specific to the discipline will also be explored.

KNHS 6431 - Advanced Application of Nutrition in Health and Human Performance (3 Credit Hours)

This course will provide essential updates to current standards related to nutrition in health, disease and

human performance. Special emphasis on applying principles to athletes in specific environments.

KNHS 6432 - Physiological Responses to Exercise (3 Credit Hours)

The physiological effects of acute and chronic exercise on metabolism, nervous, cardiorespiratory and muscular systems. Students gain the knowledge and skills necessary for conducting diagnostic and functional cardiopulmonary evaluations and conditioning programs for healthy and special populations. The structure of the course consists of lecture, group discussion, and hands-on experience in the laboratory.

KNHS 6442 - Applied Research Project (3 Credit Hours)

This course is designed to allow the student to conduct an applied research project under the supervision of a faculty member. After conducting the study, the student will prepare a written research report in the form of a manuscript. *May be repeated for credit up to 3 times.*

Grade Mode: Normal (A, B, C, D, F)

KNHS 6950 - Selected Topics (1 to 3 Credit Hours)

The content of this course is intended to meet the needs and interests of graduate students in selected areas of kinesiology and health science. Prerequisite(s): Permission of the instructor. *May be repeated for credit.*

LEADERSHIP (LDRS)

LDRS 2000 - Introduction to Leadership and Professionalism (3 Credit Hours)

Introduces the concepts and relationships between leadership, engagement, and professionalism. Through a variety of readings, experiences, and assignments, the course fosters successful leadership competencies. It develops students who think critically and creatively, make ethical and evidence-based decisions, communicate and collaborate effectively, synthesize skills from multiple aspects and sources, be trusted with responsibility, respond constructively to feedback from peers and professors, and inspire others to work together toward common goals.

LDRS 3000 - Experience in Leadership (0 to 3 Credit Hours)

This course is a bridge course option for students pursuing the Certificate of Leadership (COL). In this active learning course students conduct 120 leadership hours on or off campus in a pre-approved site in a leadership role such as teaching, tutoring, coaching, or holding an officer role in an organization. Reflective assignments are provided by the COL Advisor. The Leadership Advisor must provide pre-approval for the experience and permission to enroll. For each credit, 40 hours of supervised, verified time must be logged and approved by the onsite supervisor. *May be repeated for credit up to 1 time.* Prerequisite(s): (LDRS2000 >= C or MILS2011 >= C or MILS2021 >= C)

LDRS 4960 - Undergraduate Internship in Leadership (0 to 3 Credit Hours)

This course is an option for students who are pursuing the Certificate of Leadership and conducting an internship on or off campus at a pre-approved site. Students must take on a position (e.g., program developer, community event organizer) for an approved organization with a Memorandum of Understanding (MOU) with the university. For each 40 hours of supervised work the student may earn up to 1 credit, with a maximum of 3 credits. Internships should require an applied working experience offering professional development and or leadership opportunities.

Prerequisite(s): (LDRS2000 >= C or MILS2011 >= C or MILS2021 >= C)

LDRS 4999 - Leadership Capstone (0 to 3 Credit Hours)

A required course for students pursuing the Certificate of Leadership (COL). Students reflect on leadership theory and styles witnessed in their own experiences and give oral presentations to complete the certificate. Final assessments for the COL are administered through this course. A graduation application for the COL should be completed prior to enrolling in this course.

Prerequisite(s): LDRS 2000 >= C or MILS 2011 >= C or MILS 2021 >= C (A, B, C, D, F)

LINGUISTICS (LING)

LING 4410 - Phonetics and Phonology (3 Credit Hours)

An advanced introduction to phonetics and phonology, using data from a variety of languages. Topics include: articulatory phonetics, phonetic transcription, phonological theory, stress and intonation, and acoustic phonetics.

Prerequisite(s): ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114H >= C

LING 4500 - Second Language Acquisition (3 Credit Hours)

This course introduces second language acquisition from the linguistic, cognitive, and social perspectives, aiming at helping students understand and solve issues in second language learning and teaching.

Prerequisite(s): (ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C)

LING 4600 - Translation Theory and Method (3 Credit Hours)

Explores the principles of translation. Theory, methods, challenges, and problems involved in rendering written texts from one language into another. Emphasis on maintaining the basic ideas, intent, stylistic level, and linguistic register. The course focuses on the means by which cross-cultural communication can be facilitated and the actual process of translating (i.e., what the translator does and why and how translators make decisions about language, style, format, and cultural equivalency). Special attention is paid to the ongoing problems of translatability, fidelity, literalness, freedom, and imitation.

Prerequisite(s): ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114H >= C

LING 4711 - Introduction to Linguistics (3 Credit Hours)

This course is an introduction to the systems of language including sound and sound patterns, meaning, sentence patterns, and the social functions of language.

Prerequisite(s): (ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C)

LING 4712 - Modern Grammatical Systems (3 Credit Hours)

This course is an examination of modern grammatical systems, with an emphasis on a description of the morphology and syntax of languages.

Prerequisite(s): (ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C)

MATHEMATICS (MATH)

MATH 0999 - Support for College Algebra (2 Credit Hours)

This course is taken as a corequisite to MATH 1111. It provides supplemental instruction of the prerequisite skills required in MATH 1111. The topics covered mirror the topics being studied in MATH 1111. Emphasis is on using algebraic and graphical techniques for solving problems using linear, quadratic, piece-wise defined, rational, polynomial, exponential, and logarithmic functions.

Corequisite(s): MATH 1111

MATH 1001 - Quantitative Reasoning (3 Credit Hours)

This course places quantitative skills and reasoning in the context of experiences that students will be likely to encounter. It emphasizes processing information in context from a variety of representations, understanding of both the information and the processing, and understanding which conclusions can be reasonably determined.

MATH 1111 - College Algebra (3 Credit Hours)

A symbolically intensive functional approach to algebra that incorporates the use of appropriate technology. Emphasis will be placed on the study of functions and their graphs, inequalities, and linear, quadratic, piece-wise defined, rational, polynomial, exponential, and logarithmic functions. Appropriate

applications will be included. Prerequisite(s): SATM 480 (ACT 20) or higher or placement.

MATH 1113 - Precalculus Mathematics (3 Credit Hours)

A rigorous study of polynomial, exponential, logarithmic, and trigonometric functions, primarily intended to prepare science and mathematics majors for calculus.

STEM GPA Eligible Course

Prerequisite(s): (MAT107 $\geq$ C or MATH 1111 $\geq$ C)

MATH 1220 - Applied Calculus (3 Credit Hours)

An intuitive approach to the study of differential and integral calculus with applications in a variety of fields. STEM GPA Eligible Course

Prerequisite(s): (MATH 1111 $\geq$ C or MAT107 $\geq$ C or MATH 1101 $\geq$ C or MATH 1113 $\geq$ C or MATH 1001 $\geq$ C)

MATH 1401 - Elementary Statistics (3 Credit Hours)

A study of frequency distributions of data, graphical and numerical presentations of data, probability, discrete and continuous distributions, sampling distributions, estimation, hypothesis testing, simple linear regression and correlation and goodness of fit.

MATH 1401H- Honors: Elementary Statistics (3 Credit Hours)

A study of frequency distributions of data, graphical and numerical presentations of data, probability, discrete and continuous distributions, sampling distributions, estimation, hypothesis testing, simple linear regression and correlation and goodness of fit. This is an Honors Course.

MATH 1950 - Selected Topics (1 to 3 Credit Hours)

Selected topics in freshman-level mathematics. *May be repeated for credit.*

MATH 2008 - Foundations of Numbers and Operations (3 Credit Hours)

An introductory mathematics course for early childhood education majors. This course will emphasize the understanding and use of the major concepts of numbers and operations. As a general theme, strategies of problem solving will be used and discussed.

Prerequisite(s): (MATH 1001 $\geq$ D or MATH 1111 $\geq$ D or MATH 1113 $\geq$ D or MATH 1101 $\geq$ D or MAT107 $\geq$ D)

MATH 2011 - Calculus and Analytical Geometry I (4 Credit Hours)

An introduction to calculus including limits and continuity, derivatives of polynomial, rational, trigonometric, inverse trigonometric, exponential, and logarithmic functions, applications of derivatives, and basic integration. STEM GPA Eligible Course.

Prerequisite(s): (MATH 1113 $\geq$ C or MAT115 $\geq$ C)

MATH 2011H- Honors: Calculus and Analytical Geometry I (4 Credit Hours)

An introduction to calculus including limits and continuity, derivatives of polynomial, rational, trigonometric, inverse trigonometric, exponential, and logarithmic functions, applications of derivatives, and basic integration. This is an Honors Course. STEM GPA Eligible Course.

Prerequisite(s): (MATH 1113 $\geq$ C or MAT115 $\geq$ C)

MATH 2012 - Calculus and Analytical Geometry II (4 Credit Hours)

A continuation of calculus including applications of integration, techniques of integration, improper integrals, sequences, series, and polar coordinates. STEM GPA Eligible Course.

Prerequisite(s): (MATH 2011 $\geq$ C or MATH 2011H $\geq$ C or MAT202 $\geq$ C) or (or)

MATH 2013 - Calculus and Analytical Geometry III (4 Credit Hours)

A study of calculus on multivariate functions. Topics include vectors, vector-valued functions, functions of several variables, parametric equations, partial differentiation, multiple integration with applications, line

integrals, and Green's theorem. STEM GPA Eligible Course.

Prerequisite(s): (MATH 2012 $\geq$ C or MAT203 $\geq$ C) or ()

MATH 2020 - Introduction to Discrete Mathematics (3 Credit Hours)

Introduction to fundamental topics in discrete mathematics. Topics include: sets, functions, elementary number theory, applications to cryptography, basic counting techniques, applications of graphs and relations, and Boolean Algebra.

Prerequisite(s): MATH 1111 $\geq$ C or MATH 1113 $\geq$ C or MATH 1401 $\geq$ C or MATH 2011 $\geq$ C or MATH 2012 $\geq$ C

MATH 2030 - Logic and Set Theory (3 Credit Hours)

A course meant to serve as a transition to advanced courses in mathematics. Topics covered include logical connectives, the algebra of propositions, quantification, and basic properties of sets, relations, and orders. STEM GPA Eligible Course.

Prerequisite(s): MATH 2012 $\geq$ C

MATH 2950 - Selected Topics (1 to 3 Credit Hours)

Modern concepts in special areas of mathematics. Prerequisite(s): Permission of instructor. *May be repeated for credit.*

MATH 3020 - Differential Equations (3 Credit Hours)

A study of first-order and linear second-order differential equations with applications. Topics include solution techniques, qualitative behavior, numerical methods, Laplace transformations, and the use of series. STEM GPA Eligible Course.

Prerequisite(s): (MATH 2012 $\geq$ C or MAT203 $\geq$ C)

MATH 3210 - Math for Business and Economics (3 Credit Hours)

A description of the applications of linear models, simple non-linear models, applied probability, and selected topics from calculus. Additional topics may include a discussion of quadratic models, conditional probability, Bayes' Theorem, and Markov Chains.

Prerequisite(s): (MATH 2210 $\geq$ C or MATH 2210H $\geq$ C or MATH 1401 $\geq$ C or MATH 1401H $\geq$ C)

MATH 3241 - Mathematics for Early Childhood Teachers I (3 Credit Hours)

A study of the real number system with an emphasis on rational numbers. Topics include multiple representations of numbers, relationships between numbers, properties, operations, estimation, and flexible and varied approaches to problem solving. (This course will not count toward a major or minor in mathematics.) Prerequisite(s): Admission to teacher education and permission of instructor.

MATH 3242 - Mathematics for Early Childhood Teachers II (3 Credit Hours)

A study of the fundamental concepts related to geometry. The study includes spatial visualization and reasoning, the description and classification of two- and three-dimensional shapes, angle measurement, geometric transformations, the location of points on a map or a grid, congruence and similarity. This course will not count toward a major or minor in mathematics.

MATH 3243 - Mathematics for Early Childhood Teachers III (3 Credit Hours)

This course is a study of measurement, data analysis, and probability relevant to elementary teachers. Topics include the measurement process, units of measure, measurable attributes including length, perimeter, area, and volume, data collection, statistical graphs, measures of center, and experimental and theoretical probabilities. This course will not count toward a major or minor in mathematics.

MATH 3250 - Introduction to Statistics and Data Analysis (3 Credit Hours)

This course interweaves traditional topics in statistics with elements of data analysis using popular statistical software packages. Topics include descriptive statistics, probability distributions, sampling

distributions, statistical inference for means and proportions, categorical analysis, and simple regression, including multiple and non-linear regression. Elementary programming in a statistics environment (generally R or SAS) will be used to perform statistical analyses, make graphics, and perform simulations. Prerequisite(s): (MATH 2011 $\geq$ D or MATH 2011H $\geq$ D)

MATH 3261 - Mathematics for Middle School Teachers I (3 Credit Hours)

A study of the real number system including multiple representations of numbers, relationships between numbers, operations, properties, and estimation. Additional topics include proportional reasoning, algebraic reasoning, and elementary number theory. (This course will not count toward a major or minor in mathematics.) Prerequisite(s): Admission to teacher education and permission of instructor.

MATH 3262 - Mathematics for Middle School Teachers II (3 Credit Hours)

A study of geometric concepts and measurement using nonstandard, english, and metric units. Topics include coordinate geometry, inductive and deductive reasoning, and concepts related to two and three-dimensional objects including similarity, congruence, and transformations. This course will not count toward a major or minor in mathematics. Prerequisite(s): Admission to teacher education and permission of instructor.

MATH 3263 - Mathematics for Middle School Teachers III (3 Credit Hours)

A study of functions, data analysis, and probability. Topics include understanding and representing functions, families of functions, applications of functions, methods of data collection, statistical graphs, measures of center and variation, basic inferential statistics, and experimental and theoretical probabilities. This course will not count towards a major or minor in mathematics. Prerequisite(s): Admission to teacher education and permission of instructor. *May be repeated for credit.*

MATH 3280 - Linear Algebra (3 Credit Hours)

A study of vector spaces including finite-dimensional vector spaces, linear transformations, matrices, linear equations and determinants, and eigenvalues.

STEM GPA Eligible Course

Prerequisite(s): MATH 2012 $\geq$ C

MATH 3610 - Introduction to Mathematical Models (3 Credit Hours)

A study of basic mathematical models from various applications including mathematical and computational tools for analyzing these models. Applications chosen from physical, biological, social, management, financial, medical, and engineering sciences (e.g., conservation laws; transport, economic, pharmacokinetic, population and disease models) and industrial applications based on the instructor. Prerequisite(s): MATH 3020 $\geq$ C or (MATH 2012 $\geq$ C and Permission of Instructor)

MATH 3710 - Combinatorics (3 Credit Hours)

A first course in enumeration. Topics include permutations and combinations of finite sets and multisets, properties of the binomial coefficients, the inclusion-exclusion formula, recurrences, generating functions, the Fibonacci sequence, and applications of Burnside's lemma. The idea of the combinatorial proof is emphasized throughout the course.

Prerequisite(s): CSCI 3030 $\geq$ C or MATH 2012 $\geq$ C or MATH 2020 $\geq$ C or MATH 2030 $\geq$ C

MATH 4011 - Real Variables I (3 Credit Hours)

A study of the real number system and functions. Topics include sequences, limits, continuity, differentiation and integration.

Prerequisite(s): MATH 2030 $\geq$ C

MATH 4012 - Real Variables II (3 Credit Hours)

A study of differentiation and integration of functions on n-dimensional Euclidian space. Other topics include the elementary theory of metric spaces, infinite sequences and series, and Fourier series.

Prerequisite(s): (MATH 4011 $\geq$ C or MAT401 $\geq$ C) and MATH 2013 $\geq$ C

MATH 4110 - Mathematical Biology (3 Credit Hours)

Continuous and discrete population models for single species and for interacting species (predator-prey, species in competition, symbiosis); epidemiological models (influenza, childhood diseases, tuberculosis, sexually transmitted diseases); immunological models (tuberculosis, HIV); drug use models, marriage models (divorce prediction and marriage repair, two-sex models); parasite-host models; stochastic models and agent-based simulations.

Prerequisite(s): MATH 3020 $\geq$ C

MATH 4211 - Modern Abstract Algebra I (3 Credit Hours)

A study of abstract algebraic structure. Topics include groups, subgroups, permutation groups, homomorphisms, and quotient groups.

Prerequisite(s): (MATH 2030 $\geq$ C and MATH 3280 $\geq$ C) or (CSCI 3030 $\geq$ C and MATH 3280 $\geq$ C)

MATH 4212 - Modern Abstract Algebra II (3 Credit Hours)

A continuation of the study of abstract algebraic structure. Topics include rings, ideals, integral domains, fields, and rings of polynomials.

Prerequisite(s): (MATH 4211 $\geq$ C or MAT321 $\geq$ C)

MATH 4251 - Probability and Statistics I (3 Credit Hours)

A study of combinatorics, probability, mathematical expectation, discrete and continuous distributions, bivariate and multivariate distributions, and moment-generating functions.

Prerequisite(s): MATH 2012 $\geq$ C

MATH 4252 - Probability and Statistics II (3 Credit Hours)

The central limit theorem, sampling distributions, estimation and hypothesis testing, game theory and decision criteria, non-parametric tests, regression and correlation, analysis of variance and a general introduction to experimental design.

Prerequisite(s): MATH 4251 $\geq$ C

MATH 4310 - Modern Geometry (3 Credit Hours)

A modern treatment of geometry primarily from the metric approach, but with some reference to the Euclidean Synthetic approach. Topics include parallelism, similarity, area, constructions, non-Euclidean and finite geometries.

Prerequisite(s): MATH 2030 $\geq$ C

MATH 4320 - Theory of Numbers (3 Credit Hours)

A study of the positive integers including divisibility, prime numbers and the theory of congruences. Additional topics may include Fermat's theorem, the law of quadratic reciprocity, and perfect numbers.

Prerequisite(s): (MATH 2030 $\geq$ C or CSCI 3030 $\geq$ C)

MATH 4350 - Numerical Analysis (3 Credit Hours)

A study of non-linear equations, numerical integration and differentiation and numerical solution of initial value problems in ordinary differential equations.

Prerequisite(s): (CSCI 1301 $\geq$ C or CSCI 2060 $\geq$ C) and MATH 3020 $\geq$ C and MATH 3280 $\geq$ C

MATH 4370 - Mathematical Foundations of Cryptography (3 Credit Hours)

A study of mathematical tools from number theory, linear algebra, and other areas of mathematics that are used in cryptographic algorithms and cryptanalysis, and how those tools are implemented in those algorithms.

Prerequisite(s): MATH 2030 $\geq$ C OR CSCI 3030 $\geq$ C

MATH 4420 - Introduction to the Theory of Graphs (3 Credit Hours)

A study of graphs, subgraphs, paths, arcs, trees, circuits, digraphs, colorability.

Prerequisite(s): (MATH 2030 $\geq$ C or CSCI 3030 $\geq$ C or MATH 3030 $\geq$ C)

MATH 4510 - Complex Variables (3 Credit Hours)

A study of the field of complex numbers, elementary functions of a complex variable, limits, derivatives, analytic functions, mapping by elementary functions, integrals, power series, residues and poles.

Prerequisite(s): MATH 2030 $\geq$ C

MATH 4520 - General Topology (3 Credit Hours)

A study of general topology including applications to Euclidean spaces, surfaces, topological invariants, continuous functions, and homeomorphisms.

Prerequisite(s): MATH 2013 $\geq$ C and MATH 2030 $\geq$ C

MATH 4530 - Mathematical Methods of Physics (3 Credit Hours)

An introduction to mathematical techniques used in advanced physics. Topics include Fourier series, special functions, integral transforms, boundary value problems, and partial differential equations.

Prerequisite(s): PHYS2212 $\geq$ C and MATH 3020 $\geq$ D

MATH 4720 - Partial Differential Equations (3 Credit Hours)

This course introduces techniques of solving first-order and second-order partial differential equations, including the heat equation, wave equation and Laplace's equation. Solution methods include characteristics, separation of variables, Green's functions, and Fourier transforms.

Prerequisite(s): MATH 2013 $\geq$ C and MATH 3020 $\geq$ C

MATH 4800 - Secondary Mathematics from an Advanced Perspective (3 Credit Hours)

This course is designed so that prospective teachers can gain a deeper understanding of the key ideas of secondary school mathematics in the areas of number and operations, algebra, geometry, measurement, and data analysis. Requires permission of the chair.

Prerequisite(s): MATH 4211 $\geq$ C

MATH 4950 - Selected Topics (1 to 3 Credit Hours)

A study of modern concepts in special areas of mathematics. Prerequisite(s): Permission of instructor and approval by mathematics curriculum committee. *May be repeated for credit.*

MATH 4990 - Undergraduate Research (1 to 3 Credit Hours)

Individual mathematics research, a minimum of three hours per week for each semester hour credit.

Prerequisite(s): Permission of department chair and senior standing. *May be repeated for credit.*

MATH 5110 - Introduction to Biostatistics (3 Credit Hours)

This course offers an introduction to the basic statistical techniques used to analyze and interpret data in the health sciences and related fields. Emphasis is on applications of these methods, with graphical statistics (estimation and hypothesis testing) for numeric and categorical data, nonparametric methods, analysis of variance, regression, and correlation.

Prerequisite(s): MATH 2013 $\geq$ C

MATH 5220 - Estimation and Hypothesis Testing (3 Credit Hours)

Introduction to the theoretical properties of point estimators and tests of hypotheses, sufficient statistics, likelihood, best linear unbiased estimates, elements of statistical tests, the Neyman-Pearson lemma, UMP tests, univariate normal inference, decision theory and multivariate distributions are covered.

Prerequisite(s): MATH 4251 $\geq$ C and MATH5110 $\geq$ C

MATH 5241 - Numbers and Operations for Teachers (3 Credit Hours)

Designed for students in the MAT program seeking initial certification in early childhood or middle grades, this course focuses on developing a deep understanding of the concepts and techniques related to numbers, numerations systems, and numerical operations. Collaboration, critical thinking, hands-on explorations using manipulatives, problem-based inquiry, and technological tools will be used.

Prerequisite(s): Permission of instructor.

MATH 5242 - Geometry and Measurement for Teachers (3 Credit Hours)

Designed for students in the MAT program seeking initial certification in early childhood or middle grades, this course focuses on developing a deep understanding of the concepts related to spatial sense, geometry and measurement. Collaboration, critical thinking, hands-on explorations using manipulatives, problem-based inquiry, and technological tools will be used. Prerequisite(s): Permission of instructor.

Prerequisite(s): MATH5241 $\geq$ C

MATH 5243 - Algebra, Probability and Data Analysis (3 Credit Hours)

Designed for students in the MAT program seeking initial certification in early childhood or middle grades, this course focuses on developing a deep understanding of the concepts and techniques related to algebraic thinking, probability, and making predictions and decisions through collecting, representing and analyzing data. Collaboration, critical thinking, hands-on explorations using manipulatives, problem-based inquiry, and technological tools will be used. Prerequisite(s): Permission of instructor.

Prerequisite(s): MATH5241 $\geq$ C

MATH 6011 - Real Analysis I (3 Credit Hours)

Lebesgue measure and Lebesgue integrals; convergence theorems, differentiation and L^p spaces.

MATH 6012 - Real Analysis II (3 Credit Hours)

Abstract spaces, general measures, the Radon-Nikodym theorem and other topics.

MATH 6080 - Foundations of Geometry (3 Credit Hours)

A study of the fundamental concepts of plane geometry, both metric and non-metric and an introduction to finite, coordinate, non-Euclidean and projective geometries. Prerequisite(s): Permission of instructor.

MATH 6120 - Statistical Theory I (3 Credit Hours)

Fundamentals of random variables and probability theory, discrete, and continuous distributions, exponential families, joint, marginal, and conditional distributions, functions of random variables, transformation and change of variables, order statistics, convergence concepts, central limit theorem, sampling distributions.

Prerequisite(s): MATH 2013 $\geq$ C and MATH 3280 $\geq$ C

MATH 6130 - Statistical Theory II (3 Credit Hours)

Point and interval estimation, hypothesis testing, maximum likelihood and moment estimators, Bayes estimators, unbiased estimators, sufficiency and completeness, Fisher information, uniformly most powerful tests, likelihood ratio tests, asymptotic inference, introduction to Bayesian inference.

Prerequisite(s): MATH6120 $\geq$ C

MATH 6200 - Applied Partial Differential Equations (3 Credit Hours)

An advanced course in partial differential equations. Topics include first order conservation laws and the solutions of general nonlinear and quasilinear first order partial differential equations. Hyperbolic systems are solved by characteristic variables. Riemann's function, Green's function and similarity variable methods are introduced. Applications in the biosciences will be emphasized.

MATH 6211 - Abstract Algebra I (3 Credit Hours)

An advanced study of group theory. Prerequisite(s): Permission of instructor.

MATH 6212 - Abstract Algebra II (3 Credit Hours)

Further study of advanced ring theory. An advanced study of field theory including extension fields and Galois theory. Prerequisite(s): permission of instructor.

Prerequisite(s): (MATH6211 $\geq$ D or MAT621 $\geq$ D)

MATH 6220 - Dynamical Systems (3 Credit Hours)

A course in continuous dynamical systems. Topics include linear systems and the local, global and bifurcation theory of nonlinear systems. Applications to systems arising in mechanics, biology, ecology, and other areas will be discussed.

MATH 6250 - Mathematical Statistics (3 Credit Hours)

A detailed study of combinatorics, probability, mathematical expectation, discrete and continuous distributions, bivariate, multivariate and conditional distributions, moment generating functions, functions of random variables, transformation and change of variables, order statistics, convergence concepts, sampling distributions and the central limit theorem. Prerequisite(s): Permission of instructor.

MATH 6320 - Advanced Number Theory (3 Credit Hours)

A brief survey of divisibility and primes followed by in-depth study of congruences, residues, Diophantine equations, number theoretic functions, Farey and continued fractions, Pell's equation, and algebraic numbers. Prerequisite(s): Permission of instructor.

MATH 6341 - Mathematics for Early Childhood Teachers I (3 Credit Hours)

The first mathematics course required to receive the mathematics endorsement. Designed for individuals teaching mathematics in grades K-5, the course focuses on enhancing understanding of the concepts and techniques related to numbers, numeration, numerical operations, and algebraic thinking.

Collaboration, critical thinking, hands-on explorations using manipulatives, problem-based inquiry, technological tools, and a variety of print and electronic resources will be used. Prerequisite(s): Permission of instructor.

MATH 6342 - Mathematics for Early Childhood Teachers II (3 Credit Hours)

The second mathematics course required to receive the mathematics endorsement. Designed for individuals teaching mathematics in grades K-5, the course focuses on strengthening and enhancing educator content competency in the areas of geometry, measurement and data analysis. A variety of physical and visual materials for exploration and development of geometric concepts and spatial visualization, measurement concepts and procedures, and concepts of probability and elementary data analysis will be used. Collaboration, critical thinking, problem-based inquiry, technological tools, and a variety of print and electronic resources will be used.

Prerequisite(s): MATH6341 $\geq$ C

MATH 6350 - Numerical Analysis (3 Credit Hours)

Further study of numerical approximations and algorithms, including the solution of non-linear equations and systems of equations, numerical differentiation and integration, interpolation and approximation, and the numerical solution of initial value problems. Prerequisite(s): Permission of instructor.

MATH 6370 - Numerical Partial Differential Equations (3 Credit Hours)

Finite difference and finite volume methods for solving parabolic, hyperbolic, and elliptic partial differential equations. Consistency, stability, and convergence of numerical methods.

MATH 6400 - Combinatorial Mathematics (3 Credit Hours)

A course covering both elementary and advanced topics in combinatorial mathematics. Basic concepts such as inclusion-exclusion, recurrence relations and generating functions will be covered. More advanced topics may include the calculus of finite differences, Mobius and binomial inversion, partially ordered sets, and algebraic combinatorics.

MATH 6420 - Introduction to the Theory of Graphs (3 Credit Hours)

A study of graphs, subgraphs, paths, arcs, trees, circuits, digraphs, colorability. Additional topics from topological and algebraic graph theory will also be presented.

Prerequisite(s): (MATH 3280 $\geq$ C or MATH 4211 $\geq$ C)

MATH 6440 - Applied Discrete Mathematics (3 Credit Hours)

A selection of topics that arise in applications of discrete mathematics. Potential topics could include generating functions, solution of difference equations, graphs and graph algorithms, discrete probability, Markov chain models, and game theory.

MATH 6520 - General Topology (3 Credit Hours)

Further study of general topology including applications to Euclidean spaces, surfaces, topological invariants, continuous functions and homeomorphisms. Prerequisite(s): Permission of instructor.

MATH 6580 - Computational Linear Algebra (3 Credit Hours)

This course provides an introduction to computational linear algebra. Topics include direct and iterative methods for solving linear systems, error analysis, least squares problems, eigenvalue problems, Newton's and Quasi-Newton methods for systems of nonlinear equations.

MATH 6610 - Mathematical Models (3 Credit Hours)

Introduction to model development for physical and biological applications including analytical and numerical solution techniques and validation and verification techniques. Includes a study of examples of existing models chosen from physical, biological, social, and management sciences (e.g. conservation laws, heat transfer, fluid flow, population and disease models). Written and oral report is required for at least one of the models studied.

MATH 6620 - Optimization (3 Credit Hours)

Newton's method and Quasi-Newton methods for nonlinear equations and optimization problems, globally convergent extensions, applications to differential equations, integral equations and general minimization problems. The course may involve use of a high-level programming language.

MATH 6630 - Topics in Mathematical Biology (3 Credit Hours)

Deterministic and stochastic models in biology and the health-related sciences. Topics may include single-species models, modeling of interacting populations, and structured population models.

MATH 6640 - Stochastic Differential Equations and Applications (3 Credit Hours)

An introduction to stochastic modeling of dynamical systems via stochastic differential equations and its wide range of applications, in particular, in the biosciences. Topics include: the review of probability theory, study of Brownian Motion and Martingales, Stochastic Processes, Ito and Stratonovich Calculus, Stochastic Integration and Ito's Formula, Markov Processes, Girsanov's Theorem, Martingale Representation Theorem, Stochastic Differential Equations (SDE), Numerical Methods for Solving SDE, Parameter Estimation Scheme and the applications of stochastic differential equations in areas such as mathematical biology, mathematical finance, insurance, reliability and queueing theory.

MATH 6800 - Secondary Mathematics from an Advanced Perspective (3 Credit Hours)

This course is designed so that teachers can gain a deeper and broader understanding of key ideas of secondary school mathematics in the areas of number and operations, algebra, geometry, measurement, and data analysis. Prerequisite(s): Admission to graduate program and permission of instructor.

MATH 6940 - Graduate Teaching Seminar (1 Credit Hour)

A course designed to prepare teaching assistants who are teaching a course as instructor of record for the first time. Topics include: syllabus design, methods for classroom management, exam design, and presentations about university policies and resources available to students.

MATH 6950 - Selected Topics (1 to 3 Credit Hours)

A variable content course intended to meet the needs and interests of graduate students in selected areas of mathematics. Prerequisite(s): Permission of department chair and instructor. *May be repeated for credit.*

MATH 6960 - Graduate Seminar (3 Credit Hours)

A course in which students gain familiarity with the process of doing mathematical research. The course will include a lecture component, and a series of seminars on topics in current mathematical research. Students will prepare a research talk about a topic chosen in consultation with the course instructor.

MATH 6965 - Research Seminar (3 Credit Hours)

A course in which students gain familiarity with current mathematical research. This course will feature directed readings of topics selected from recent mathematical literature, culminating with each student giving multiple presentations for the department's regularly scheduled Applied Mathematics Seminar; attendance at the seminar talks throughout the semester will be required.

Prerequisite(s): MATH6960 $\geq$ C

MATH 6980 - Special Topics (3 Credit Hours)

Special topics in mathematics that are not covered in regular courses. The topics depend on the research interests of the instructor and the students. *May be repeated for credit up to 4 times.*

MATH 6990 - Graduate Project (3 Credit Hours)

This course is an in-depth research experience, conducted under the direction of a faculty member, culminating in a written paper and seminar presentation. This project may be expository in nature or may involve original research. The course may be repeated when a project is likely to produce a peer-reviewed publication. *May be repeated for credit up to 1 time.*

Grade Mode: Normal (A, B, C, D, F)

MATH 6999 - Master's Thesis (2 to 3 Credit Hours)

Thesis research in mathematics done under the supervision of a faculty member. Students should plan to enroll in two semesters of thesis, and students wishing to do a thesis should begin the process of selecting a faculty research mentor in the second semester of study. *May not be repeated for credit up to 2 times.*

MD/PHD STUDIES (MDPH)**MDPH 5098 - MD/PHD Transition Research (2 to 12 Credit Hours)**

This course is designed for MD/PhD student research rotations during the MD program portion of their training. It is expected during this period that the student work with an individual faculty member on a specific investigative research problem. The experience is intended as an introduction to analytical techniques in context to disease-oriented research. In addition, the course is used for MD/PhD program students transitioning from the MD to the PhD training component. It is expected during this transition period that the student assimilate back into their specific biomedical research program, but they may also use a portion of this time for study of USMLE Step 1 or USMLE Step 2 exams. *May be repeated for credit up to 1 time.*

MEDICINE - INTERDISCIPLINARY (MEDI)

MEDI 5002 - Off-Campus Clinical Rotations (1 to 6 Credit Hours)

To give students an opportunity to visit other institutions and perform one to four week clinical experiences to gain exposure to residency training programs for career decision-making purposes.

MEDI 5004 - Independent Study (0 to 8 Credit Hours)

Independent Study with approval of the SOM Curriculum Office *May be repeated for credit up to 5 times.*

MEDI 5005 - Integrative Science Selective (8 Credit Hours)

The primary purpose of this course is to provide an opportunity for an in-depth exploration of the basic sciences that serve as the foundations of clinical practice, but at a more advanced level than what was presented in the pre-clerkship curriculum. Learners will explore how basic sciences inform many aspects of clinical medicine (e.g., understanding how patients experience disease—and health, generation of differential diagnoses and management plans, and monitoring disease progression and treatment outcomes). Course content will be split evenly between basic and clinical sciences and will be developed through the collaboration between basic scientists and clinicians. Each "collaboration" will be focused on a clinical area in which the intersection between the basic and clinical sciences is particularly evident. Students will choose their selective based on their area of clinical interest and identification of learning gaps to be addressed prior to their residency training. Depending on the particular collaboration, students may experience basic and clinical science content as separate or integrated sessions. The course will be a "hands-on," actively engaged course, with a focus on both patient care experiences and applications of the basic sciences. *May be repeated for credit up to 3 times.*

MEDI 5010 - USMLE Preparation Elective (1 to 12 Credit Hours)

This is a United States Medical Licensing Examination (USMLE) Step 1 and/or Step 2 CK Preparation Course to help students develop the necessary fund of knowledge of the basic sciences to be successful on USMLE Step 1 and/or Step 2 CK.

MEDI 5012 - Medical Education (4 to 8 Credit Hours)

This course will provide students with a foundation in the principles of medical education.

MEDI 5013 - Point-of-Care Ultrasound in Medical Education (4 Credit Hours)

This elective promotes the use of point-of-care ultrasound (POCUS) technology as a clinical tool to enhance the educational experience of MCG medical students.

MEDI 5014 - CBL (Case-Based Learning) Elective (0 to 8 Credit Hours)

CBL (Case-Based Learning) Elective is a 4- week elective intended for M4 students who are interested in developing teaching and writing skills in preparation for career in academic medicine. The goal of this elective is to introduce students to the Socratic method of teaching and is intended for M4 students who are interested in developing skills required for effective small group teaching and clinical case writing.

MEDI 5015 - Overview of Health Professions Education Scholarship (3 Credit Hours)

This is an overview and survey of important topics and areas of research and development in health professions education. It is designed to give emerging leaders in health professions education enough of a background in the scholarship of these important topics that they will be able to engage in policy discussion and make minor educational decisions and explore the topic in greater depth should they need to do so. *May be repeated for credit up to 2 times.*

MEDI 5016 - Professional Development Elective (4 to 8 Credit Hours)

This elective course is designed to provide medical students in their third and fourth year of training an opportunity to explore healthy adult behaviors. The sessions are designed to engage students in topics

related to personal health and wellbeing and to allow students to explore the physical, psychological, and social changes that occur throughout in adulthood.

Upon successful completion of this course, the student should be able to do the following: Describe the psychological, cognitive and social developmental aspects of adulthood, including Erikson's stages, Understand the psychological and psychosocial challenges of adulthood through case-based discussion and reflection, Explore relevant coping strategies associated challenges of the adulthood and be able to differentiate those that promote wellness, Describe the importance of a mentoring relationship in personal and career development *May be repeated for credit up to 1 time.*

MEDI 5017 - Telemedicine Elective (4 to 8 Credit Hours)

The Clerkship Telemedicine elective course is a clerkship elective offered to MCG clerkship medical students over a three-week rotation. The goals of this elective course are to: 1) Explain key components of the pre-visit checklist and appropriate interactions for executing an appropriate, billable telemedicine exam 2) Identify best practices for collecting a patient history and conducting a physical exam during a telemedicine patient encounter 3) Recognize regulations, health equity, cultural competency, special populations, and special use cases in telemedicine patient encounters course assessments will include didactic learning assessments, simulated telemedicine patient encounters with feedback, and coder review of simulated patient encounter notes.

MEDI 5018 - Clerkship Procedure Elective (4 to 8 Credit Hours)

Clerkship Procedure Elective is an elective offered to MCG Clerkship medical students over a 2 week rotation. The goals of this elective course are 1) To allow students to review and practice key skills to promote safer and higher quality procedures during medical training 2) To give students a deep understanding of the risks, benefits and challenges of common invasive procedures and allow for legitimate peripheral participation 3) To help students better function in the role of patient advocate during invasive procedures.

MEDI 5020 - Comparative Policy, Strategy, and Systems in Rural Health-Scotland (8 Credit Hours)

The course is designed to teach students about health policy and observe how policy can impact a healthcare system, particularly in the provision of rural health. During the first two weeks of this course, students learn about the structure of the Georgia and Scottish political systems, how to inform political conversations in Georgia, and how to apply this knowledge for future advocacy. This section of the course is integrated into the students' study abroad experience. While abroad, students learn about similarities and differences between Georgia and Scotland in the importance of interdisciplinary teams, the education and professional standards of certain healthcare professionals, and health professional advocacy. While abroad, various guest lecturers set the picture of healthcare systems in Scotland and the role that all professionals play in interdisciplinary care. When back from the study abroad experience, students are expected to demonstrate the differences and similarities of Scottish healthcare systems and Georgia healthcare systems, and how they, as future physician advocates, can influence policy, education, and population health on either side of the Atlantic. At the end of this course, students are better prepared to be a physician advocate in the state and make informed suggestions for health policy reflecting knowledge gained from this wider world view.

MEDI 5022 - The Use of Artificial Intelligence in Medical Education (4 to 8 Credit Hours)

This elective is designed for medical students to explore the integration of Artificial Intelligence (AI) in medical education. Through solution design and development, students gain insight into the fundamental principles, diverse applications, and ethical implications of AI in medical education and their transformative impact on medical practice. Participants develop medical professionalism and ethics, engage in hands-on projects, and prepare to innovate and disseminate their findings, fostering interdisciplinary collaboration and communication in an AI-driven healthcare environment.

MEDI 5080 - Disease Prevention Research (8 Credit Hours)

Students gain insight into clinical and prevention research being done in the Medical College of Georgia at the Georgia Prevention Institute (GPI). This includes primary and secondary prevention of cardiometabolic disease, cancer, and other diseases through laboratory-based and community-engaged studies of lifestyle modification (e.g., nutrition, physical activity), self-monitoring (e.g., blood pressure and mood during pregnancy), and pharmacological interventions, as well as mechanistic studies of disease pathology and intervention effects. Exercise Is Medicine, Food Is Medicine, health disparities and social determinants of health are major themes. Students pick from a variety of recorded topics and are expected to watch at least 4 short clinical research perspectives and 2 clinical research seminars, asynchronously. Throughout the two weeks, students are also expected to engage in at least 4 shadowing visits with clinical studies at the GPI or in the community.

MEDI 5086 - Introduction to Global Health (1 Credit Hour)

Students will be able to describe prevalent issues relevant to international health, list effects of culture, and describe the different health care systems. Students will understand the role of various organizations involved in global health, describe the safety preparation needed for global health experiences, list possible roles they can play, and be able to explain how an interdisciplinary team functions in global health experiences.

MEDI 5088 - Mentored Research Project (0 to 24 Credit Hours)

MEDI 5088 is a course designed for students who are interested in an intensive research experience working with a preceptor on a project that will ultimately result in a publishable outcome. *May be repeated for credit up to 3 times.*

MEDI 5089 - Health Equity and Access Leadership (HEAL) (2 Credit Hours)

The HEAL program is intended to provide students with skills, knowledge, and experiences related to health equity and access.

MEDI 5090 - Scholarly Project Capstone Course (1 Credit Hour)

The Scholarly Project Capstone course is designed to give students a chance to present and discuss the project which they have completed during the required scholarly project course. Students will participate in a research forum where they will present their research in a poster format. During this forum students will discuss their project with peers and faculty from a variety of backgrounds. The course is designed to give students the opportunity to take the results from a project and discuss them with the broader scientific community.

MEDI 5091 - Introduction to the Foundational Sciences of Medicine (6 to 12 Credit Hours)

This course will expose students to the foundational sciences taught in the medical school curriculum and assist them with developing the necessary study strategies and test taking skills to be successful in medical school.

MEDI 5099 - On/Off-Campus Research Elective (4 to 8 Credit Hours)

Goals: To provide the student an opportunity to learn the fundamentals of the process of research. The student will become familiar with the literature in a given research area, will develop a testable hypothesis, will design appropriate experiments to test the hypothesis and will write up the findings appropriately. The research activities shall have direct relevance to the clinical interests of the student. *May be repeated for credit up to 3 times.*

MEDI 5135 - Cellular and System Processes (0 to 16 Credit Hours)

The Cellular and Systems Processes module is designed to provide students with a basic understanding of the biological mechanisms by which the body responds to internal and external stimuli by building on the structure-function knowledge of previous modules (ITD5115 and ITD5125). Students will understand the pathological responses to these stimuli by examining the interplay between the biochemical and

physiological mechanisms, and how the latter can be influenced by genetics.

MEDI 5150 - Module 1: Cellular and Molecular Basis of Medicine (7 Credit Hours)

The first year of the curriculum is a year long module divided into six systems-based blocks that run in parallel with the Essentials of Clinical Medicine course. This module introduces students to Gross Anatomy, Biochemistry, Development, Genetics, Histology, Neuroscience, Physiology, and Psychiatry. The Essentials of Clinical Medicine course is a two-year sequence emphasizing the skills needed for patient care. The first year of the Essentials of Clinical Medicine course emphasizes family, cultural and population aspects of healthcare, communication skills, and information retrieval and analysis, health promotion/disease prevention, ethics, history taking with adults, and a community project.

MEDI 5151 - Module 1: Fundamentals (9 Credit Hours)

This module is designed to provide students with an understanding of the molecular and cellular basis of human health and disease as well as provide clinical components of art of doctoring, clinical skills, community and population health and evidence-based medicine and practice.

Additional Course Fee: Anatomy Lab Fee - \$400 Flat Fee

MEDI 5155 - Module 2: Tissue and Musculoskeletal (14 Credit Hours)

The first year of the curriculum is a year long module divided into six systems-based blocks that run in parallel with the Essentials of Clinical Medicine course. This module introduces students to Gross Anatomy, Biochemistry, Development, Genetics, Histology, Neuroscience, Physiology, and Psychiatry. The Essentials of Clinical Medicine course is a two-year sequence emphasizing the skills needed for patient care. The first year of the Essentials of Clinical Medicine course emphasizes family, cultural and population aspects of healthcare, communication skills, and information retrieval and analysis, health promotion/disease prevention, ethics, history taking with adults, and a community project.

MEDI 5156 - Module 2: Musculoskeletal (15 Credit Hours)

This module is designed to provide students with an understanding of the structure and function of the musculoskeletal system in human health and disease as well as provide clinical components of art of doctoring, clinical skills, community and population health and evidence-based medicine and practice. Prerequisite(s): MEDI5151

MEDI 5158 - Module 3: Cardiopulmonary (8 Credit Hours)

MEDI 5158 - Module 3: Cardiopulmonary is part of the Phase 1 Organ System Based Module in which the first year of the curriculum is a year long module divided into six system-based blocks that run in parallel with the Essentials of Clinical Medicine course. This module introduces students to Gross Anatomy, Biochemistry, Development, Genetics, Histology, Neuroscience, Physiology, and Psychiatry. The Essentials of Clinical Medicine course is a two year sequence emphasizing the skills needed for patient care. The first year of the Essentials of Clinical Medicine course emphasizes family, cultural and population aspects of health care, communication skills, and information retrieval and analysis, health promotion/disease prevention, ethics, history taking with adults, and a community project.

MEDI 5159 - Module 5: Genitourinary Module (6 Credit Hours)

Provides students with a comprehensive introduction to the development, structure, regulation, and function of the genitourinary systems.

MEDI 5160 - Module 3: Organ System Based Nervous System Special Senses (14 Credit Hours)

The first year of the curriculum is a year long module divided into six systems-based blocks that run in parallel with the Essentials of Clinical Medicine course. This module introduces students to Gross Anatomy, Biochemistry, Development, Genetics, Histology, Neuroscience, Physiology, and Psychiatry. The Essentials of Clinical Medicine course is a two-year sequence emphasizing the skills needed for patient care. The first year of the Essentials of Clinical Medicine course emphasizes family, cultural and population aspects of healthcare, communication skills, and information retrieval and analysis, health

promotion/disease prevention, ethics, history taking with adults, and a community project.

MEDI 5161 - Module 3: Brain and Behavior (15 Credit Hours)

This module is designed to provide students with an understanding of the structure and function of the nervous system in health and disease as well as provide clinical components of art of doctoring, clinical skills, community and population health and evidence-based medicine and practice.

Prerequisite(s): MEDI5156

MEDI 5163 - Module 4: Gastrointestinal and Nutrition (6 Credit Hours)

Provides students with a comprehensive introduction to the development, structure, regulation, and function of the gastrointestinal system and a basic overview of nutrition.

MEDI 5165 - Module 4: Cardiopulmonary Organ System Based (8 Credit Hours)

The first year of the curriculum is a year long module divided into six systems-based blocks that run in parallel with the Essentials of Clinical Medicine course. This module introduces students to Gross Anatomy, Biochemistry, Development, Genetics, Histology, Neuroscience, Physiology, and Psychiatry. The Essentials of Clinical Medicine course is a two-year sequence emphasizing the skills needed for patient care. The first year of the Essentials of Clinical Medicine course emphasizes family, cultural and population aspects of healthcare, communication skills, and information retrieval and analysis, health promotion/disease prevention, ethics, history taking with adults, and a community project.

MEDI 5168 - Module 4: Renal/Cardiopulmonary (20 Credit Hours)

This module is designed to provide students with an understanding of the structure and function of the Cardiopulmonary and Renal Systems in human health and disease as well as provide clinical components of Art of Doctoring, Clinical Skills, Community and Population Health and Evidence-based Medicine and Practice.

MEDI 5169 - Module 6: Head and Neck Special Senses (8 Credit Hours)

This module is designed to provide students with a comprehensive survey of the development, structure, and function of the head and neck with special emphasis given to cranial nerves, special senses, and blood supply to the brain.

MEDI 5170 - Module 5: Organ System Based Gastrointestinal Urinary (10 Credit Hours)

The first year of the curriculum is a year long module divided into six systems-based blocks that run in parallel with the Essentials of Clinical Medicine course. This module introduces students to Gross Anatomy, Biochemistry, Development, Genetics, Histology, Neuroscience, Physiology, and Psychiatry. The Essentials of Clinical Medicine course is a two-year sequence emphasizing the skills needed for patient care. The first year of the Essentials of Clinical Medicine course emphasizes family, cultural and population aspects of healthcare, communication skills, and information retrieval and analysis, health promotion/disease prevention, ethics, history taking with adults, and a community project.

MEDI 5174 - Module 7: Medical Neuroscience and Behavioral Health (7 Credit Hours)

This module is designed to provide students with a comprehensive survey of structure and function of the central nervous system as it relates to sensory, motor, and motivational systems as well as mental health.

MEDI 5175 - Module 6: Organ System Based Endocrine/Reproductive (6 Credit Hours)

The first year of the curriculum is a year long module divided into six systems-based blocks that run in parallel with the Essentials of Clinical Medicine course. This module introduces students to Gross Anatomy, Biochemistry, Development, Genetics, Histology, Neuroscience, Physiology, and Psychiatry. The Essentials of Clinical Medicine course is a two-year sequence emphasizing the skills needed for patient care. The first year of the Essentials of Clinical Medicine course emphasizes family, cultural and

population aspects of healthcare, communication skills, and information retrieval and analysis, health promotion/disease prevention, ethics, history taking with adults, and a community project.

MEDI 5179 - Module 5: GI/Endocrine/Reproductive Systems (20 Credit Hours)

This module is designed to provide students with an understanding of the normal structure and function of the GI, Endocrine, and Reproductive Systems in human health and disease, as well as provide clinical components of Art of Doctoring, Clinical Skills, Community and Population Health and Evidence-based Medicine and Practice. *May be repeated for credit up to 1 time.*

MEDI 5198 - Phase 1 Comprehensive Module (1 Credit Hour)

Phase 1 Comprehensive Module

MEDI 5200 - Essentials of Clinical Medicine 2 (Part 1) (10 Credit Hours)

The Essentials of Clinical Medicine (ECM) is a four-semester program designed to equip students with the skills necessary to perform successfully in the Phase III clerkships. ECM is organized into two courses which build sequentially on one another, and interdigitate wherever possible with core basic science modules. ECM is designed to ensure a continuity of training for the student across the Phase I and II years in the areas of clinical skill development, clinical content, interdisciplinary collaborative teaching, and evaluation of student performance.

MEDI 5201 - Essentials of Clinical Medicine 2 (Part 2) (13 to 23 Credit Hours)

A four-semester program designed to equip students with the skills necessary to perform successfully in the Phase III clerkships. ECM is organized into two courses which build sequentially on one another, and interdigitate wherever possible with core basic science modules. ECM is designed to ensure a continuity of training for the student across the Phase I and II years in the areas of clinical skill development, clinical content, interdisciplinary collaborative teaching, and evaluation of student performance.

MEDI 5204 - Essentials of Clinical Medicine 2 (Part 1) (10 Credit Hours)

Essentials of Clinical Medicine II complements the basic and clinical science, problem-based learning (PBL) curriculum at the Medical Partnership Campus. In Phase 2 small-group PBL, students examine patient problems from a biological, behavioral, and epidemiological, as well as common direct clinical perspective: basic science is seen in the context of the totality of the paper problem. In the ECM II curriculum, these same issues and perspectives are seen in the context of real and simulated patients, many of whose current problems fall within the differential diagnosis of the paper problems studied in tutorial. As in tutorial, patient centered clinical experiences under the supervision of a clinical preceptor allow for data gathering, abnormality identification, hypothesis generation, and the development of learning issues. Whereas the tutor is a learning facilitator for their group, a clinical-preceptor acts as a facilitator, content expert, and resource person in patient care in clinical practice. These CSP experiences reinforce learning in tutorial and prove the necessary foundation for caring for patients in the future. Through the ECM experience, students develop the interpersonal, interview, physical examination and communication skills that will permit them to solve and resolve patient problems. The ECM II sessions transfer the Phase 2 tutorial process to actual patient-physician interaction. Through Applied Clinical Skills, Clinical Skills Practice, Topics in Patient Centered Care and Principles of Population Health, students will be prepared for the more independent, more complex experiences of Phase 3 and Phase 4: the third year clerkships, senior selectives and electives and sub-internships, and finally, the postgraduate residency training programs and the professional life that continues thereafter.

Prerequisite(s): MEDI5101

MEDI 5205 - Essentials of Clinical Medicine 2 (Part 2) (8 to 18 Credit Hours)

Essentials of Clinical Medicine II complements the basic and clinical science, problem-based learning (PBL) curriculum at the Medical Partnership Campus. In Phase 2 small-group PBL, students examine patient problems from a biological, behavioral, and epidemiological, as well as common direct clinical perspective: basic science is seen in the context of the totality of the paper problem. In the ECM II curriculum, these same issues and perspectives are seen in the context of real and simulated patients, many of whose current problems fall within the differential diagnosis of the paper problems studied in

tutorial. As in tutorial, patient centered clinical experiences under the supervision of a clinical preceptor allow for data gathering, abnormality identification, hypothesis generation, and the development of learning issues. Whereas the tutor is a learning facilitator for their group, a clinical-preceptor acts as a facilitator, content expert, and resource person in patient care in clinical practice. These CSP experiences reinforce learning in tutorial and prove the necessary foundation for caring for patients in the future. Through the ECM experience, students develop the interpersonal, interview, physical examination and communication skills that will permit them to solve and resolve patient problems. The ECM II sessions transfer the Phase 2 tutorial process to actual patient-physician interaction. Through Applied Clinical Skills, Clinical Skills Practice, Topics in Patient Centered Care and Principles of Population Health, students will be prepared for the more independent, more complex experiences of Phase 3 and Phase 4: the third year clerkships, senior selectives and electives and sub-internships, and finally, the postgraduate residency training programs and the professional life that continues thereafter.

Prerequisite(s): MEDI5204

MEDI 5210 - Module 1: Fundamentals Cellular and Systems Disease States (10 Credit Hours)

The Cellular and Systems Disease States Module is a year long series of systems-based modules that is a microcosm of the Medical College of Georgia in its multifaceted approach to patient care. Armed with an in-depth understanding of normal human anatomy, physiology, and biochemistry from Phase 1 studies, students will begin learning the new language of disease. The vocabulary is expressed in words that describe the causes, consequences, and treatment of organ system dysfunction. All components of organ system derangements are taught from a molecular biologic point of view to assist students in developing in-depth understanding of disease mechanisms, before their transition to clerkship year of Phase 3.

MEDI 5211 - Module 1: Prologue II (6 Credit Hours)

Integrated Introductory Course

MEDI 5212 - Module 1: Hematology/Oncology (11 Credit Hours)

This module is designed to provide students with an overview of the clinical, pathological and treatment aspects of blood disorders. The medical partnership (MP) curriculum integrates the basic and clinical sciences, utilizing case-based and problem-based learning (CBL and PBL) facilitated by basic scientists and clinicians, as well as large group learning opportunities. In year 2, students examine patient problems from a biological, behavioral, and epidemiological, as well as common direct clinical perspective. Basic science is integrated in the context of patient-centered learning, using real and simulated patients. Through our integrated curriculum, students develop the interpersonal, interview, physical examination and communication skills that will permit them to solve and resolve patient problems. Threads in the MP curriculum include foundational sciences, applied clinical skills, clinical skills practice, art of doctoring, ethics and professionalism, evidence-based medicine and practice, professional identity formation and resiliency and community and population health. Clinical experiences under the supervision of a clinical preceptors allow for data gathering, abnormality identification, hypothesis generation, and the development of learning issues. Through the curriculum, students are prepared for the more independent, more complex experiences of their clerkship years, postgraduate residency training programs and professional life.

MEDI 5220 - Module 2: Hematology/GI Cellular and Systems Disease States (8 Credit Hours)

The Cellular and Systems Disease States Module is a year long series of systems-based modules that is a microcosm of the Medical College of Georgia in its multifaceted approach to patient care. Armed with an in-depth understanding of normal human anatomy, physiology, and biochemistry from Phase 1 studies, students will begin learning the new language of disease. The vocabulary is expressed in words that describe the causes, consequences, and treatment of organ system dysfunction. All components of organ system derangements are taught from a molecular biologic point of view to assist students in developing in-depth understanding of disease mechanisms, before their transition to clerkship year of Phase 3.

MEDI 5222 - Module 2: Renal/Urinary System (7 Credit Hours)

This module is designed to provide students with an overview of the clinical, pathological and treatment aspects of renal and urinary diseases.

MEDI 5226 - Module 2: Genitourinary (15 Credit Hours)

This module is designed to provide you with an overview of the clinical, pathological and treatment aspects of genitourinary system diseases. The medical partnership (MP) curriculum integrates the basic and clinical sciences, utilizing case-based and problem-based learning (CBL and PBL) facilitated by basic scientists and clinicians, as well as large group learning opportunities. In year two, students examine patient problems from a biological, behavioral, and epidemiological, as well as common direct clinical perspective. Basic science is integrated in the context of patient-centered learning, using real and simulated patients. Through our integrated curriculum, students develop the interpersonal, interview, physical examination and communication skills that will permit them to solve and resolve patient problems. Threads in the MP curriculum include foundational sciences, applied clinical skills, clinical skills practice, art of doctoring, ethics and professionalism, evidence-based medicine and practice, professional identity formation and resiliency and community and population health. Clinical experiences under the supervision of a clinical preceptors allow for data gathering, abnormality identification, hypothesis generation, and the development of learning issues. Through the curriculum, students are prepared for the more independent, more complex experiences of their clerkship years, postgraduate residency training programs and professional life. *May be repeated for credit up to 1 time.*

MEDI 5230 - Module 3: Cellular and Systems Disease States: Musculoskeletal/Central Nervous Systems (9 Credit Hours)

The Cellular and Systems Disease States Module is a year long series of systems-based modules that is a microcosm of the Medical College of Georgia in its multifaceted approach to patient care. Armed with an in-depth understanding of normal human anatomy, physiology, and biochemistry from Phase 1 studies, students will begin learning the new language of disease. The vocabulary is expressed in words that describe the causes, consequences, and treatment of organ system dysfunction. All components of organ system derangements are taught from a molecular biologic point of view to assist students in developing in-depth understanding of disease mechanisms, before their transition to clerkship year of Phase 3.

MEDI 5232 - Module 3: Cardiopulmonary (15 Credit Hours)

This module is designed to provide students with an overview of the clinical, pathological and treatment aspects of cardiovascular and pulmonary diseases. The medical partnership (MP) curriculum integrates the basic and clinical sciences, utilizing case-based and problem-based learning (CBL and PBL) facilitated by basic scientists and clinicians, as well as large group learning opportunities. In year two, students examine patient problems from a biological, behavioral, and epidemiological, as well as common direct clinical perspective. Basic science is integrated in the context of patient-centered learning, using real and simulated patients. Through our integrated curriculum, students develop the interpersonal, interview, physical examination and communication skills that will permit them to solve and resolve patient problems. Threads in the MP curriculum include foundational sciences, applied clinical skills, clinical skills practice, art of doctoring, ethics and professionalism, evidence-based medicine and practice, professional identity formation and resiliency and community and population health. Clinical experiences under the supervision of a clinical preceptors allow for data gathering, abnormality identification, hypothesis generation, and the development of learning issues. Through the curriculum, students are prepared for the more independent, more complex experiences of their clerkship years, postgraduate residency training programs and professional life.

MEDI 5234 - Module 4: Reproduction (5 Credit Hours)

This module is designed to provide students with an overview of the clinical, pathological and treatment aspects of reproductive system diseases.

MEDI 5235 - Module 3: Cellular and Systems Disease States: Pulmonary/Renal Systems (7 Credit Hours)

The Cellular and Systems Disease States Module is a year long series of systems-based blocks that is a microcosm of the Medical College of Georgia in its multifaceted approach to patient care. Armed with an in-depth understanding of normal human anatomy, physiology, and biochemistry from Phase I studies, students will begin learning the new language of disease. The vocabulary is expressed in words that describe the causes, consequences, and treatment of organ system dysfunction. All components of organ system derangements are taught from a molecular biologic point of view to assist students in developing in-depth understanding of disease mechanisms, before their transition to clerkship year of Phase III.

MEDI 5236 - Module 3: Central Nervous System (5 Credit Hours)

The phase two curriculum follows an integrated approach to the teaching of cellular and systems disease states. The Central Nervous System Module continues the systematic approach to systems begun in MEDI 5220 (Module 2) and transitions into the central nervous system. As such, this module builds upon the basic principles and factual knowledge about the development and manifestations of human disease covered so far. Clinical lectures and basic science lectures have been coordinated to highlight the relationships between the scientific basis of disease and the practice of clinical medicine.

MEDI 5237 - Module 4: Musculoskeletal/Skin (4 Credit Hours)

The phase two curriculum follows an integrated approach to the teaching of cellular and systems disease states. This module continues the systematic approach to systems and transitions into the musculoskeletal and integumentary system. As such, this module builds upon the basic principles and factual knowledge about the development and manifestations of human disease covered so far. Clinical lectures and basic science lectures have been coordinated to highlight the relationships between the scientific basis of disease and the practice of clinical medicine.

MEDI 5240 - Module 5: Cellular and Systems Disease States: Cardiopulmonary (9 Credit Hours)

The Cellular and Systems Disease States Module is a year long series of systems-based modules that is a microcosm of the Medical College of Georgia in its multifaceted approach to patient care. Armed with an in-depth understanding of normal human anatomy, physiology, and biochemistry from Phase 1 studies, students will begin learning the new language of disease. The vocabulary is expressed in words that describe the causes, consequences, and treatment of organ system dysfunction. All components of organ system derangements are taught from a molecular biologic point of view to assist students in developing in-depth understanding of disease mechanisms, before their transition to clerkship year of Phase 3.

MEDI 5242 - Module 4: Digestive and Endocrine Systems (12 Credit Hours)

This module is designed to provide students with an overview of the clinical, pathological and treatment aspects of the Gastrointestinal and Endocrine Systems and the influence of diet and nutrition on disease and treatment outcomes. The Medical Partnership (MP) curriculum integrates the basic and clinical sciences, utilizing case-based and problem-based learning (CBL and PBL) facilitated by basic scientists and clinicians, as well as large group learning opportunities. In year 2, students examine patient problems from a biological, behavioral, and epidemiological, as well as common direct clinical perspective. Basic science is integrated in the context of patient-centered learning, using real and simulated patients.

Through our integrated curriculum, students develop the interpersonal, interview, physical examination and communication skills that will permit them to solve and resolve patient problems. Threads in the MP curriculum include Foundational Sciences, Applied Clinical Skills, Clinical Skills Practice, Art of Doctoring, Ethics and Professionalism, Evidence-Based Medicine and Practice, Professional Identity Formation and Resiliency and Community and Population Health. Clinical experiences under the supervision of a clinical preceptors allow for data gathering, abnormality identification, hypothesis generation, and the development of learning issues. Through the curriculum, students are prepared for the more independent, more complex experiences of their clerkship years, postgraduate residency training programs and professional life.

MEDI 5243 - Module 6: Renal (4 Credit Hours)

The Phase 2 curriculum follows an integrated approach to the teaching of cellular and systems disease states. The Renal Module continues the systematic approach to systems with study of the renal system.

As such, this module builds upon the basic principles and factual knowledge about the development and manifestations of human disease covered so far. Clinical lectures and basic science lectures have been coordinated to highlight the relationships between the scientific basis of disease and the practice of clinical medicine.

MEDI 5244 - Module 7: Endocrine/Reproductive (6 Credit Hours)

The Phase 2 curriculum follows an integrated approach to the teaching of cellular and systems disease states. The Endocrine/Reproductive Module continues the systematic approach to systems with study of the endocrine and reproductive systems. As such, this module builds upon the basic principles and factual knowledge about the development and manifestations of human disease covered so far. Clinical lectures and basic science lectures have been coordinated to highlight the relationships between the scientific basis of disease and the practice of clinical medicine.

MEDI 5245 - Module 4: Cellular and Systems Disease States: Endocrine/GI Systems (5 Credit Hours)

Prerequisites: Phase I.

The Cellular and Systems Disease States Module is a year long series of systems-based modules that is a microcosm of the Medical College of Georgia in its multifaceted approach to patient care. Armed with an in-depth understanding of normal human anatomy, physiology, and biochemistry from Phase 1 studies, students will begin learning the new language of disease. The vocabulary is expressed in words that describe the causes, consequences, and treatment of organ system dysfunction. All components of organ system derangements are taught from a molecular biologic point of view to assist students in developing in-depth understanding of disease mechanisms, before their transition to clerkship year of Phase 3.

MEDI 5252 - Module 5: Behavior and Brain (12 Credit Hours)

This module is designed to provide students with an overview of the clinical, pathological and treatment aspects of psychiatric and neurological diseases. The medical partnership (MP) curriculum integrates the basic and clinical sciences, utilizing case-based and problem-based learning (CBL and PBL) facilitated by basic scientists and clinicians, as well as large group learning opportunities. In year two, students examine patient problems from a biological, behavioral, and epidemiological, as well as common direct clinical perspective. Basic science is integrated in the context of patient-centered learning, using real and simulated patients. Through our integrated curriculum, students develop the interpersonal, interview, physical examination and communication skills that will permit them to solve and resolve patient problems. Threads in the MP curriculum include foundational sciences, applied clinical skills, clinical skills practice, art of doctoring, ethics and professionalism, evidence-based medicine and practice, professional identity formation and resiliency and community and population health. Clinical experiences under the supervision of a clinical preceptors allow for data gathering, abnormality identification, hypothesis generation, and the development of learning issues. Through the curriculum, students are prepared for the more independent, more complex experiences of their clerkship years, postgraduate residency training programs and professional life.

MEDI 5262 - Module 6: Multi-System Disorders (11 Credit Hours)

This module is designed to provide students with an overview of the clinical, pathological, and treatment aspects of multi-system disorders. The Medical Partnership (MP) curriculum integrates the basic and clinical sciences, utilizing case-based and problem-based learning (CBL and PBL) facilitated by basic scientists and clinicians, as well as large group learning opportunities. In year 2, students examine patient problems from a biological, behavioral, and epidemiological, as well as common direct clinical perspective. Basic science is integrated in the context of patient-centered learning, using real and simulated patients. Through our integrated curriculum, students develop the interpersonal, interview, physical examination and communication skills that will permit them to solve and resolve patient problems. Threads in the MP curriculum include Foundational Sciences, Applied Clinical Skills, Clinical Skills Practice, Art of Doctoring, Ethics and Professionalism, Evidence-Based Medicine and Practice, Professional Identity Formation and Resiliency and Community and Population Health. Clinical experiences under the supervision of a clinical preceptors allow for data gathering, abnormality identification, hypothesis generation, and the development of learning issues. Through the curriculum,

students are prepared for the more independent, more complex experiences of their clerkship years, postgraduate residency training programs and professional life.

MEDI 5263 - Child Sexual Abuse: Physician's Power to Protect (1 Credit Hour)

The Physician's Power to Protect is a child sexual abuse preventative and intervention training to provide critical information on the issues surrounding child sexual abuse and how you can become a front line defender. The course also provides great insight when working with victims of child sexual abuse at any age. The course is broken down into six modules that include: 1. Child Sexual Abuse: The Basics, 2. Detecting Child Sexual Abuse, 3. Communicating Child Sexual Abuse, 4. Reporting and the Legal System, 5. Providing Resources, and 6. You are the Solution

MEDI 5264 - Entrepreneurship in Medicine (1 Credit Hour)

Medicine is becoming increasingly integrated with technology and reliant on innovation. This course is designed to follow this trend within medical education. It is a discussion-driven and knowledge-based seminar for medical students that are either curious about the process of entrepreneurship or have an existing idea that they would like to bring to market. The lectures are given by successful entrepreneurs who share their expertise within specific areas such as customer discovery and value propositions. To reinforce these concepts into practice, students will break into group sessions led by the lecturer. By the end of the course, students will have progressed from creation of an initial testable hypothesis to delivery of an effective pitch deck.

MEDI 5298 - Phase 2 Comprehensive Module and National Board Review (7 Credit Hours)

Prerequisites: Phase 1 and Phase 2

A systematic review for the USMLE Step 1 examination.

MEDI 5301 - Phase 2 Curriculum Exposure Elective (0 to 6 Credit Hours)

Medical students are expected to master a foundation of clinical knowledge with integration of basic sciences and the translation of that knowledge to the clinical setting.

MEDI 5430 - Essentials of Clinical Medicine 4 Part 1 (0 Credit Hours)

The course is designed to equip students with the necessary knowledge, skills, behaviors, and attitudes to perform successfully in the clinical setting. *May be repeated for credit.*

Grade Mode: Continuing Progress Courses

MEDI 5431 - Essentials of Clinical Medicine 4 Part 2 (1 Credit Hour)

The course is designed to equip students with the necessary knowledge, skills, behaviors, and attitudes to perform successfully in the clinical setting. *May be repeated for credit.*

MEDI 5590 - Essentials of Clinical Medicine 1 -Physical Diagnosis (4 Credit Hours)

The Essentials of Clinical Medicine (ECM) course is a four-semester program designed to equip students with the necessary knowledge, skills, attitudes, and behaviors to perform successfully in the Phase 3 clerkships. ECM is organized into three "courses" (Physical Diagnosis, Problem-based Learning and Foundations of Clinical Practice) with five components (The Art of Doctoring, Population and Public Health, Evidence-based Practice, Problem-based Learning, and Physical Diagnosis), which build sequentially on one another, and are interwoven wherever possible with the core foundational science modules. ECM is designed to ensure a continuity of training for the student across the Phase 1 and 2 years in the areas of professionalism, clinical skills development, cultural competency, public health, evidence-based practice, clinical content, interdisciplinary collaborative teaching, and self-evaluation of performance. *May be repeated for credit up to 1 time.*

Grade Mode: Continuing Progress Courses

MEDI 5591 - Essentials of Clinical Medicine 1 -Physical Diagnosis (4 Credit Hours)

The Essentials of Clinical Medicine (ECM) course is a four-semester program designed to equip students

with the necessary knowledge, skills, attitudes, and behaviors to perform successfully in the Phase 3 clerkships. ECM is organized into three "courses" (Physical Diagnosis, Problem-based Learning and Foundations of Clinical Practice) with five components (The Art of Doctoring, Population and Public Health, Evidence-based Practice, Problem-based Learning, and Physical Diagnosis), which build sequentially on one another, and are interwoven wherever possible with the core foundational science modules. ECM is designed to ensure a continuity of training for the student across the Phase 1 and 2 years in the areas of professionalism, clinical skills development, cultural competency, public health, evidence-based practice, clinical content, interdisciplinary collaborative teaching, and self-evaluation of performance. *May be repeated for credit up to 1 time.*

MEDI 5592 - Essentials of Clinical Medicine 1 -Problem-based Learning (3 Credit Hours)

The Essentials of Clinical Medicine (ECM) course is a four-semester program designed to equip students with the necessary knowledge, skills, attitudes, and behaviors to perform successfully in the Phase 3 clerkships. ECM is organized into three "courses" (Physical Diagnosis, Problem-based Learning and Foundations of Clinical Practice) with five components (The Art of Doctoring, Population and Public Health, Evidence-based Practice, Problem-based Learning, and Physical Diagnosis), which build sequentially on one another, and are interwoven wherever possible with the core foundational science modules. ECM is designed to ensure a continuity of training for the student across the Phase 1 and 2 years in the areas of professionalism, clinical skills development, cultural competency, public health, evidence-based practice, clinical content, interdisciplinary collaborative teaching, and self-evaluation of performance. *May be repeated for credit up to 1 time.*

Grade Mode: Continuing Progress Courses

MEDI 5593 - Essentials of Clinical Medicine 1 -Problem-Based Learning (2 Credit Hours)

The Essentials of Clinical Medicine (ECM) course is a four-semester program designed to equip students with the necessary knowledge, skills, attitudes, and behaviors to perform successfully in the Phase 3 clerkships. ECM is organized into three "courses" (Physical Diagnosis, Problem-based Learning and Foundations of Clinical Practice) with five components (The Art of Doctoring, Population and Public Health, Evidence-based Practice, Problem-based Learning, and Physical Diagnosis), which build sequentially on one another, and are interwoven wherever possible with the core foundational science modules. ECM is designed to ensure a continuity of training for the student across the Phase 1 and 2 years in the areas of professionalism, clinical skills development, cultural competency, public health, evidence-based practice, clinical content, interdisciplinary collaborative teaching, and self-evaluation of performance. *May be repeated for credit up to 1 time.*

MEDI 5594 - Essentials of Clinical Medicine 1 -Foundations of Clinical Practice (7 Credit Hours)

The Essentials of Clinical Medicine (ECM) course is a four-semester program designed to equip students with the necessary knowledge, skills, attitudes, and behaviors to perform successfully in the Phase 3 clerkships. ECM is organized into three "courses" (Physical Diagnosis, Problem-based Learning and Foundations of Clinical Practice) with five components (The Art of Doctoring, Population and Public Health, Evidence-based Practice, Problem-based Learning, and Physical Diagnosis), which build sequentially on one another, and are interwoven wherever possible with the core foundational science modules. ECM is designed to ensure a continuity of training for the student across the Phase 1 and 2 years in the areas of professionalism, clinical skills development, cultural competency, public health, evidence-based practice, clinical content, interdisciplinary collaborative teaching, and self-evaluation of performance. *May be repeated for credit up to 1 time.*

Grade Mode: Continuing Progress Courses

MEDI 5595 - Essentials of Clinical Medicine 1 -Foundations of Clinical Practice (3 Credit Hours)

The Essentials of Clinical Medicine (ECM) course is a four-semester program designed to equip students

with the necessary knowledge, skills, attitudes, and behaviors to perform successfully in the Phase 3 clerkships. ECM is organized into three "courses" (Physical Diagnosis, Problem-based Learning and Foundations of Clinical Practice) with five components (The Art of Doctoring, Population and Public Health, Evidence-based Practice, Problem-based Learning, and Physical Diagnosis), which build sequentially on one another, and are interwoven wherever possible with the core foundational science modules. ECM is designed to ensure a continuity of training for the student across the Phase 1 and 2 years in the areas of professionalism, clinical skills development, cultural competency, public health, evidence-based practice, clinical content, interdisciplinary collaborative teaching, and self-evaluation of performance. *May be repeated for credit up to 1 time.*

MEDI 5995 - Advanced Research (40 Credit Hours)

A 20-week course in which students work with a mentor on a research project for at least 40 hours/week. Students must submit IRB and biosafety protocols, if applicable, before enrolling in this course. Students are required to present a poster at MCG's Research Day and give a final presentation to their mentor, research team, and curriculum faculty.

MEDI 6000 - Care of the Chronically and Terminally Ill Intersession (5 Credit Hours)

This course will expose students to the care of the patient with chronic care needs and terminal illnesses.

MEDI 6001 - Simulation Education Elective (4 to 8 Credit Hours)

The goal is to provide students with an introduction to the practice of simulation in medical education through the use of didactics, literature review, hands-on simulations, and the production of scholarship. Objectives: (1) Describe the theories supporting the use of simulation in education; (2) Develop simulation cases using best practices; (3) Utilize technology to facilitate simulations; and (4) Produce scholarship in the domains of teaching discovery. *May be repeated for credit up to 1 time.*

MEDI 6100 - Orientation to Medicine Module (3 Credit Hours)

This introductory module is designed to introduce students to the learning pedagogies the medical education program utilizes to deliver curriculum including small group, case-based learning and simulation. The course also introduces students to the professional expectations required of a new medical student. Through the use of patient cases, students will be introduced to the language, concepts, and treatment of disease. This short case-based module will include relevant professional, cultural, and biomedical ethical issues, that are foundational to primary care practice as well as other medical specialties.

MEDI 6110 - Patient Centered Learning 1 (11 Credit Hours)

This introductory course allows students to begin their development of patient centered skills. Students will learn how to interview and examine patients, establish rapport, formulate and prioritize clinical problems, develop clinical diagnostic reasoning skills, and begin to formulate patient care plans. These skills will be developed through experiential learning processes that include small group workshops, standardized patient interactions, simulations, procedures skills development, and clinical patient contact. The course allows the students to begin forming, in a very real way, their professional identity and demeanor.

MEDI 6120 - Foundations of Medicine Module (13 Credit Hours)

This integrated, introductory module is designed to provide the students with an understanding of the foundational principles of medicine including those related to cellular and molecular principles of medicine, genetics and early development, biochemistry, physiology, medical therapeutics, histopathology, microbiology and immunology. Students will focus on clinically relevant normal and abnormal cellular structure and function (including regulation), the operations of the genome, the features of early development as well as the biological mechanisms by which the body responds to external stimuli. Through the use of patient cases, students will be introduced to the language, concepts, and treatment of disease to show how alterations in structure, function, and development are associated with

disease states. This case-based module will include relevant professional, cultural, and biomedical ethical issues, with a focus on evidence-based medicine and value-based healthcare. This knowledge is foundational to primary care practice as well as other medical specialties.

MEDI 6130 - Musculoskeletal/ Skin Module (12 Credit Hours)

This integrated module is designed to provide the students with an understanding of the normal and abnormal structures and functions of the musculoskeletal system and skin along with the scientific basis of pathology and disease states. Patient cases will be utilized to help the students' gain the knowledge skills needed to develop differential diagnoses, interpret screening and diagnostic studies, and determine therapeutic management plans. This case-based module will include relevant professional, cultural, and biomedical ethical issues, with a focus on evidence-based medicine and value-based healthcare. This knowledge is foundational to primary care practice as well as other medical specialties.

Additional Course Fee: Anatomy Lab Fee - \$400 Flat Fee

MEDI 6150 - MCG YOU+ Learning Communities (4 Credit Hours)

The YOU+ Learning Communities (LCs) module is longitudinal course that is designed to help prepare students for their role as a physician and maximize learning related to professional identity formation. Development of a professional identity involves knowledge, skills and attitudes related to students' practice as well as the environment within which the practice will occur. Students will apply the knowledge and skills gained during the pre-clerkship courses, life, and the materials in this course to help inform and guide their professional identity formation through reflection, relationship, and resilience. The curriculum utilizes facilitated small-group discussion and reflection, active group learning, case-based learning (CBL), online exercises, and supplemental materials for interpersonal and self-directed learning in order to explore the content in a manner that is conducive to varying learning styles. Students are expected to demonstrate professional behaviors toward colleagues, faculty, and other members of their community, including punctuality, reliability, preparation, and participation in all required learning encounters. To pass the course, students will be required to attend all context talks as well as LC group discussions. Attendance at both will be monitored either manually or electronically. Students are required to complete the weekly readings and may be requested to submit a question to the online chatroom or upload an artifact into their e-portfolio. Additionally, students are expected to participate actively in the LC group discussions. *May be repeated for credit up to 5 times.*

MEDI 6210 - Patient Centered Learning 2 (13 Credit Hours)

Students will continue to build on the skills they developed in the Patient Centered Learning 1 course. Students will continue to interview and examine patients, formulate and prioritize clinical problems, develop clinical diagnostic reasoning skills, and formulate patient care plans. This continued skill development will occur through experiential learning processes that include small group workshops, standardized patient interactions, simulations, procedures skills development, and clinical patient contact. This course allows the students to continue forming their professional identity and demeanor.

MEDI 6220 - Cardiopulmonary/Heme Module (15 Credit Hours)

This integrated module is designed to provide students with an understanding of the normal and abnormal structures and functions of the cardiovascular and hematopoietic systems along with scientific basis of pathology and disease states. Patient cases will be utilized to help the students gain the knowledge skills needed to develop differential diagnoses, interpret screening and diagnostic studies, and determine therapeutic management plans. This case-based module will include relevant professional, cultural, and biomedical ethical issues, with a focus on evidence-based medicine and value-based healthcare. This knowledge is foundational to primary care practice as well as other medical specialties.

MEDI 6230 - Healthcare Matters Module (4 Credit Hours)

The Healthcare Matters module is designed to provide students the opportunity to build basic knowledge around population care that all physicians must know to run a practice or take a leadership role within healthcare settings. During this module, students will learn about public health, health policy, and patient advocacy through simulations, presentations, and small group activities. Because the medical field is quickly evolving to a more population-based, evidence-based practice, future physicians must understand

what it means to promote preventative medicine in the community and touch lives beyond clinical practice.

MEDI 6240 - GI/GU/Endocrine Module (15 Credit Hours)

This integrated module is designed to provide the students with an understanding of the normal and abnormal structures and functions of the gastrointestinal, genitourinary, and endocrine systems along with the scientific basis of pathology and disease states. Patient cases will be utilized to help the students' gain the knowledge skills needed to develop differential diagnoses, interpret screening and diagnostic studies, and determine therapeutic management plans. This case-based module will include relevant professional, cultural, and biomedical ethical issues, with a focus on evidence-based medicine and value-based healthcare. This knowledge is foundational to primary care practice as well as other medical specialties.

MEDI 6300 - Career Paths in Medicine (0 to 15 Credit Hours)

This introductory module is designed to provide medical students with opportunities to explore various options for different career concentrations. The course will provide students with flexible and personalized experiences in their areas of interest. Choices will include options for learning about research, global health, biomedical ethics, health policy, leadership, and public health. Options will also be available to allow students to explore various medical specialties. *May be repeated for credit up to times.*
Grade Mode: Continuing Progress Courses, Satisfactory/Unsatisfactory

MEDI 6310 - Patient Centered Learning 3 (12 Credit Hours)

Students will continue to build on the skills they developed in the Patient Centered Learning 1 and 2 courses. Students will continue to hone their interviewing and physical examination skills, their ability to formulate and prioritize clinical problems, their clinical diagnostic reasoning skills, and their ability to formulate patient care plans. These skills will be developed through experiential learning processes that include small group workshops, standardized patient interactions, simulations, procedures skills development, and clinical patient contact. This course allows the students to continue forming their professional identity and demeanor.

MEDI 6320 - Brain, Behavior, and Movement Module (15 Credit Hours)

This integrated module is divided into two important areas, neurology and psychiatry. It is designed to provide students with an understanding of the normal and abnormal structures and functions of the central nervous system to include the head, neck, and special senses and behavior/psychiatry. Patient cases will be utilized to help the students' gain the knowledge skills needed to develop differential diagnoses, interpret screening and diagnostic studies, and determine therapeutic management plans. This case-based module will include relevant professional, cultural, and biomedical ethical issues, with a focus on evidence-based medicine and value-based healthcare. This knowledge is foundational to primary care practice as well as other medical specialties.

MEDI 6330 - Healthcare Across the Lifespan Module (5 Credit Hours)

The Healthcare across the Lifespan module is designed to equip medical students with the knowledge, skills, and attitudes to enable students to better address the health and well-being needs of patients across the lifespan continuum from conception to end-of-life. This case-based module will include relevant professional, cultural, and biomedical ethical issues, with a focus on evidence-based medicine and value-based healthcare. This knowledge is foundational to primary care practice as well as medical specialties.

MEDI 6340 - Capstone in Medicine 1 Module (10 Credit Hours)

The capstone course is designed to help prepare students for transition to their clinical clerkships. Students will apply the knowledge and skills gained during the previous pre-clerkship courses to the most common patient cases they will encounter during their clerkships. This case-based module will include relevant professional, cultural, and biomedical ethical issues, with a focus on evidence-based medicine and value-based healthcare.

MEDI 6410 - Patient Centered Learning - Clerkship Spring (6 Credit Hours)

The Patient Centered Learning (PCL) Clerkship courses are taken during the clerkship phase of the curriculum, with the content corresponding to each of the required courses during those segments of the curriculum. This course is a part of the core curriculum and required for all students, to run continuously with the medical student's tenure in medical school. These courses are designed to build on the content of the previous PCL courses taught during the pre-clerkship experience. Like the preclerkship courses, these PCL courses also have an EPA informed curriculum and offer students the opportunity to have hands on experiences through simulation, case discussions etc. Students will be able to practice and perfect skills taught in the earlier PCL courses as well as in the clerkships in an environment where they function as the primary decision-maker. They will receive both summative and formative feedback related to specific EPA's.

MEDI 6420 - Patient Centered Learning - Clerkship Fall (6 Credit Hours)

The Patient Centered Learning (PCL) Clerkship 2 course is taken during the fall 3 semester as students are completing the clerkship phase of the curriculum, with the content corresponding to each of the required clerkships during this segment of the curriculum. This course is a part of the core curriculum and required for all students. This course is designed to build on the content of the previous PCL courses taught during the pre-clerkship and clerkship experiences. Like the pre-clerkship courses, these PCL courses also have an EPA informed curriculum and offer students the opportunity to have hands on experiences through simulation, case discussions etc. Students will be able to practice and perfect skills taught in the earlier PCL courses in an environment where they function as the primary decision-maker. They will receive both summative and formative feedback related to specific EPA's.

MEDI 6510 - Patient Centered Learning - Advanced Clerkship (6 Credit Hours)

The PCL – Advanced Clerkship course is taken during the Advanced Clerkship Experience in the spring of their 3rd year. This course is a part of the core curriculum and required for all students, one of the PCL courses that run continuously with the medical student's tenure in medical school. These courses are designed to build on the content of the previous PCL courses taught during the Preclerkship Experience. Like the preclerkship courses, these PCL courses also have an EPA informed curriculum and offer students the opportunity to have hands on experiences through simulation, case discussions etc. Students will be able to practice and perfect skills taught in the earlier PCL courses as well as in the clerkships in an environment where they function as the primary decision-maker. They will receive both summative and formative feedback related to specific EPA's.

MEDI 6590 - Essentials of Clinical Medicine 2 -Physical Diagnosis (4 Credit Hours)

The Essentials of Clinical Medicine (ECM) course is a four-semester program designed to equip students with the necessary knowledge, skills, attitudes, and behaviors to perform successfully in the Phase 3 clerkships. ECM is organized into three "courses" (Physical Diagnosis, Problem-based Learning and Foundations of Clinical Practice) with five components (The Art of Doctoring, Population and Public Health, Evidence-based Practice, Problem-based Learning, and Physical Diagnosis), which build sequentially on one another, and are interwoven wherever possible with the core foundational science modules. ECM is designed to ensure a continuity of training for the student across the Phase 1 and 2 years in the areas of professionalism, clinical skills development, cultural competency, public health, evidence-based practice, clinical content, interdisciplinary collaborative teaching, and self-evaluation of performance. *May be repeated for credit up to 1 time.*

Grade Mode: Continuing Progress Courses

MEDI 6591 - Essentials of Clinical Medicine 2 -Physical Diagnosis (4 Credit Hours)

The Essentials of Clinical Medicine (ECM) course is a four-semester program designed to equip students with the necessary knowledge, skills, attitudes, and behaviors to perform successfully in the Phase 3 clerkships. ECM is organized into three "courses" (Physical Diagnosis, Problem-based Learning and Foundations of Clinical Practice) with five components (The Art of Doctoring, Population and Public Health, Evidence-based Practice, Problem-based Learning, and Physical Diagnosis), which build sequentially on one another, and are interwoven wherever possible with the core foundational science modules. ECM is designed to ensure a continuity of training for the student across the Phase 1 and 2

years in the areas of professionalism, clinical skills development, cultural competency, public health, evidence-based practice, clinical content, interdisciplinary collaborative teaching, and self-evaluation of performance. *May be repeated for credit up to 1 time.*

MEDI 6592 - Essentials of Clinical Medicine 2 -Problem-based Learning (3 Credit Hours)

The Essentials of Clinical Medicine (ECM) course is a four-semester program designed to equip students with the necessary knowledge, skills, attitudes, and behaviors to perform successfully in the Phase 3 clerkships. ECM is organized into three "courses" (Physical Diagnosis, Problem-based Learning and Foundations of Clinical Practice) with five components (The Art of Doctoring, Population and Public Health, Evidence-based Practice, Problem-based Learning, and Physical Diagnosis), which build sequentially on one another, and are interwoven wherever possible with the core foundational science modules. ECM is designed to ensure a continuity of training for the student across the Phase 1 and 2 years in the areas of professionalism, clinical skills development, cultural competency, public health, evidence-based practice, clinical content, interdisciplinary collaborative teaching, and self-evaluation of performance. *May be repeated for credit up to 1 time.*

Grade Mode: Continuing Progress Courses

MEDI 6593 - Essentials of Clinical Medicine 2 - Problem-based Learning (2 Credit Hours)

The Essentials of Clinical Medicine (ECM) course is a four-semester program designed to equip students with the necessary knowledge, skills, attitudes, and behaviors to perform successfully in the Phase 3 clerkships. ECM is organized into three "courses" (Physical Diagnosis, Problem-based Learning and Foundations of Clinical Practice) with five components (The Art of Doctoring, Population and Public Health, Evidence-based Practice, Problem-based Learning, and Physical Diagnosis), which build sequentially on one another, and are interwoven wherever possible with the core foundational science modules. ECM is designed to ensure a continuity of training for the student across the Phase 1 and 2 years in the areas of professionalism, clinical skills development, cultural competency, public health, evidence-based practice, clinical content, interdisciplinary collaborative teaching, and self-evaluation of performance. *May be repeated for credit up to 1 time.*

MEDI 6594 - Essentials of Clinical Medicine 2 -Foundations of Clinical Practice (3 Credit Hours)

The Essentials of Clinical Medicine (ECM) course is a four-semester program designed to equip students with the necessary knowledge, skills, attitudes, and behaviors to perform successfully in the Phase 3 clerkships. ECM is organized into three "courses" (Physical Diagnosis, Problem-based Learning and Foundations of Clinical Practice) with five components (The Art of Doctoring, Population and Public Health, Evidence-based Practice, Problem-based Learning, and Physical Diagnosis), which build sequentially on one another, and are interwoven wherever possible with the core foundational science modules. ECM is designed to ensure a continuity of training for the student across the Phase 1 and 2 years in the areas of professionalism, clinical skills development, cultural competency, public health, evidence-based practice, clinical content, interdisciplinary collaborative teaching, and self-evaluation of performance. *May be repeated for credit up to 1 time.*

Grade Mode: Continuing Progress Courses

MEDI 6595 - Essentials of Clinical Medicine 2 -Foundations of Clinical Practice (7 Credit Hours)

The Essentials of Clinical Medicine (ECM) course is a four-semester program designed to equip students with the necessary knowledge, skills, attitudes, and behaviors to perform successfully in the Phase 3 clerkships. ECM is organized into three "courses" (Physical Diagnosis, Problem-based Learning and Foundations of Clinical Practice) with five components (The Art of Doctoring, Population and Public Health, Evidence-based Practice, Problem-based Learning, and Physical Diagnosis), which build sequentially on one another, and are interwoven wherever possible with the core foundational science modules. ECM is designed to ensure a continuity of training for the student across the Phase 1 and 2

years in the areas of professionalism, clinical skills development, cultural competency, public health, evidence-based practice, clinical content, interdisciplinary collaborative teaching, and self-evaluation of performance. *May be repeated for credit up to 1 time.*

MEDI 6596 - OB/Gyn Student Chief (7 Credit Hours)

The elective is designed to allow M4 students an opportunity to practice their leadership skills as they serve as a peer role model to M3 students on the OB/Gyn rotation. The Student Chief will assist the clerkship director by helping M3 student with administrative tasks and required clinical skills. Student must receive the site clerkship director's approval.

Prerequisite(s): OBGN5000 >= C

MEDI 6597 - GMED Student Chief (7 Credit Hours)

This elective is designed to allow M4 students an opportunity to practice their leadership skills as they serve as a peer role model to M3 students on the GMED rotation. Student must receive the site clerkship director's approval.

MEDI 6598 - PSRY Student Chief (7 Credit Hours)

This elective is designed to allow M4 students an opportunity to practice their leadership skills as they serve as peer role model to M3 students on the psychiatry rotation. Student must receive the site clerkship director's approval.

MEDI 6599 - SURG Student Chief (7 Credit Hours)

This elective is designed to allow M4 students an opportunity to practice their leadership skills as they serve as a peer role model to M3 students on the Surgery rotation. Student must receive approval from Site CD.

MEDI 6610 - Patient Centered Learning - Enrichment Fall (6 Credit Hours)

The PCL – Enrichment courses are taken during the Enrichment Phase of the curriculum with the content corresponding to each of the required courses during those segments of the curriculum. This course is a part of the core curriculum and required for all students, to run continuously with the medical student's tenure in medical school. These courses are designed to build on the content of the previous PCL courses taught during the Preclerkship Experience. Like the preclerkship courses, these PCL courses also have an EPA informed curriculum and offer students the opportunity to have hands on experiences through simulation, case discussions etc. Students will be able to practice and perfect skills taught in the earlier PCL courses as well as in the clerkships in an environment where they function as the primary decision-maker. They will receive both summative and formative feedback related to specific EPA's.

MEDI 6620 - Patient Centered Learning - Enrichment Spring (6 Credit Hours)

The PCL Enrichment courses are taken during the Enrichment Phases of the curriculum with the content corresponding to each of the required courses during those segments of the curriculum. This course is a part of the core curriculum and required for all students, to run continuously with the medical student's tenure in medical school. These courses are designed to build on the content of the previous PCL courses taught during the Preclerkship Experience. Like the preclerkship courses, these PCL courses also have an EPA informed curriculum and offer students the opportunity to have hands on experiences through simulation, case discussions etc. Students will be able to practice and perfect skills taught in the earlier PCL courses as well as in the clerkships in an environment where they function as the primary decision-maker. They will receive both summative and formative feedback related to specific EPA's.

MEDICINE - REMEDIATION (MEDR)

MEDR 5010 - USMLE Step 1 Prep Course Remediation (1 Credit Hour)

Remediation for USMLE Step 1 Prep Course

MEDR 5150 - Module 1: Organ System Based: Fundamentals Remediation (1 Credit Hour)

This is the remediation for Organ System Based Module 1: Fundamentals.

MEDR 5151 - Module: Organ System Based: Gross Anatomy Component Remediation (1 Credit Hour)

This is the remediation to Organ System Based Module Gross Anatomy Component.

MEDR 5152 - Module: Organ System Based: Histology Component Remediation (1 Credit Hour)

This is the remediation for Organ System Based Module Histology Component.

MEDR 5153 - Module: Organ System Based: Development Component Remediation (1 Credit Hour)

This is the remediation for Organ System Based Module Development Component.

MEDR 5155 - Module 2: Organ System Based: Tissue and Musculoskeletal Remediation (1 Credit Hour)

This is the remediation for Organ System Based Module 2: Tissue and Musculoskeletal.

MEDR 5156 - Module: Organ System Based: Biochemistry Component Remediation (1 Credit Hour)

This is the remediation for Organ System Based Module Biochemistry Component.

MEDR 5157 - Module: Organ System Based: Physiology Component Remediation (1 Credit Hour)

This is the remediation for Organ System Based Module Physiology Component.

MEDR 5158 - Module 3: Organ System Based: Cardiopulmonary Remediation (1 Credit Hour)

This is the remediation of the Organ System Based Module 3: Cardiopulmonary.

MEDR 5159 - Genitourinary Systems (GU) Module Remediation (1 Credit Hour)

This course will serve as a remediation course for students who were unsuccessful in the GU Module which provides students with a comprehensive introduction to the development, structure, regulation, and function of the genitourinary systems.

MEDR 5160 - Module 3: Organ System Based: Nervous System Special Senses Remediation (1 Credit Hour)

This is the remediation to Organ System Based Module 3: Nervous System Special Senses.

MEDR 5161 - Module: Organ System Based: Neuroscience Component Remediation (1 Credit Hour)

This is the remediation for Organ System Based Module Neuroscience Component.

MEDR 5162 - Module 4: Organ System Based: Gastro-Intestinal Urinary Remediation (1 Credit Hour)

This is the remediation of the Organ System Based Module 4: Gastro-intestinal Urinary.

MEDR 5164 - Module 5: Organ System Based: Endocrine/Reproductive Remediation (1 Credit Hour)

This is the remediation of the Organ System Based Module 5: Endocrine/Reproductive.

MEDR 5165 - Module 4: Organ System Based: Cardiopulmonary Remediation (1 Credit Hour)

This is the remediation for Organ System Based Module 4: Cardiopulmonary.

MEDR 5166 - Module 6: Organ System Based: Nervous System and Special Senses Remediation (1 Credit Hour)

This is the remediation of Organ System Based Module 6: Nervous System Special Senses.

MEDR 5168 - Module 4: Cardiopulmonary/Renal Remediation (1 Credit Hour)

Remediation course for MEDI 5168-ATH

MEDR 5169 - Module 6: Head and Neck Special Senses Remediation (1 Credit Hour)

Remediation for MEDI 5169

MEDR 5170 - Module 5: Organ System Based: Gastro-Intestinal Urinary Remediation (1 Credit Hour)

This is the remediation to Organ System Based Module 5: Gastro-intestinal Urinary.

MEDR 5174 - Module 7: Medical Neuroscience Remediation (1 Credit Hour)

Remediation for MEDI 5174

MEDR 5175 - Module 6: Organ System Based: Endocrine/Reproductive Remediation (1 Credit Hour)

This is the remediation to Organ System Based Module 6: Endocrine/Reproductive.

MEDR 5176 - Module 6: Cardiopulmonary/Renal I Remediation (1 Credit Hour)

Remediation for MEDI 5176 - Athens

MEDR 5179 - GI/Endo/Repro Systems Remediation Course (1 Credit Hour)

Remediation of Athens campus Phase 1 MEDI5179 (GI/Endo/Repro) *May be repeated for credit up to 1 time.*

MEDR 5198 - Module: Phase I Comprehensive Remediation (1 Credit Hour)

Phase I Comprehensive Module remediation

MEDR 5210 - Module: Fundamentals Remediation (1 Credit Hour)

This is the remediation of Cellular and Systems Disease States Module 1 of Fundamentals.

MEDR 5211 - Module I: Prologue II Remediation (1 Credit Hour)

Remediation for MEDI 5211 - Athens

MEDR 5212 - Module 1: Hematology/Oncology Remediation (1 Credit Hour)

Remediation for MEDI 5212

MEDR 5220 - Module 2: Cellular and Systems Disease States: Hematology/GI Remediation (1 Credit Hour)

This is the remediation of Cellular and Systems Disease States Module 2 of Hematology/GI

MEDR 5222 - Module 2: Renal/Urinary System Remediation (1 Credit Hour)

Remediation course for MEDI 5222-ATH

MEDR 5226 - Module 2: Genitourinary System (1 Credit Hour)

This module is designed to provide you with an overview of the clinical, pathological and treatment aspects of genitourinary system diseases. The Medical Partnership (MP) curriculum integrates the basic and clinical sciences, utilizing case-based and problem-based learning (CBL and PBL) facilitated by basic scientists and clinicians, as well as large group learning opportunities. In year 2, students examine patient problems from a biological, behavioral, and epidemiological, as well as common direct clinical perspective. Basic science is integrated in the context of patient-centered learning, using real and simulated patients. Through our integrated curriculum, students develop the interpersonal, interview, physical examination and communication skills that will permit them to solve and resolve patient problems. Threads in the MP curriculum include Foundational Sciences, Applied Clinical Skills, Clinical Skills Practice, Art of Doctoring, Ethics and Professionalism, Evidence-Based Medicine and Practice, Professional Identity Formation and Resiliency and Community and Population Health. Clinical experiences under the supervision of a clinical preceptors allow for data gathering, abnormality identification, hypothesis generation, and the development of learning issues. Through the curriculum, students are prepared for the more independent, more complex experiences of their clerkship years, postgraduate residency training programs and professional life. *May be repeated for credit up to 1 time.*

MEDR 5230 - Module 3: Cellular and Systems Disease States: Central Nervous System/Musculoskeletal Remediation (1 Credit Hour)

This is the remediation Cellular and Systems Disease States Module 3 of Musculoskeletal and Central Nervous Systems

MEDR 5232 - Module 3: Cardiopulmonary II Remediation (1 Credit Hour)

Remediation course for MEDI 5232- ATH

MEDR 5234 - Module 4: Reproductive System Remediation (1 Credit Hour)

Remediation course for MEDI 5234- ATH

MEDR 5236 - Module 3: Central Nervous System Remediation (1 Credit Hour)

Remediation for MEDI 5236

MEDR 5237 - Module: MS/Skin Remediation (1 Credit Hour)**MEDR 5240 - Module: Cardiopulmonary Remediation (1 Credit Hour)**

This is the remediation Cellular and Systems Disease States Module 4 of the Cardiopulmonary System

MEDR 5242 - Remediation: Phase 2 GI/Nutrition (1 Credit Hour)

This course is needed for a student who recently failed the Athens phase 2 MEDI 5242 GI/Nutrition course. *May be repeated for credit up to 2 times.*

MEDR 5243 - Module: Renal Remediation (1 Credit Hour)**MEDR 5244 - Module 7: Endocrine/Reproductive Remediation (1 Credit Hour)**

Remediation for MEDI 5244

MEDR 5250 - Module 5: Cellular and Systems Disease States: Renal/GU/Endocrine Remediation (1 Credit Hour)

This is the remediation Cellular and Systems Disease States Module 5 of Renal/GU/Endocrine Systems

MEDR 5252 - Module 5: Behavior and Brain Remediation (1 Credit Hour)

Cellular and Systems Disease States Remediation in Microbiology *May be repeated for credit up to 2 times.*

MEDR 5262 - MEDR 5262 - Module 6: Multi-System Disorders Remediation (1 Credit Hour)

Remediation for MEDR 5262 *May be repeated for credit up to 3 times.*

MEDR 5298 - Phase 2 Comprehensive Module Remediation (1 Credit Hour)

Phase 2 Comprehensive Module remediation.

MEDR 5591 - Essentials of Clinical Medicine 1 - Physical Diagnosis Remediation (1 Credit Hour)

Remediation of the Essentials of Clinical Medicine 1 - Physical Diagnosis Course *May be repeated for credit up to 2 times.*

MEDR 5593 - Essential of Clinical Medicine 1 - Problem-Based Learning Remediation (1 Credit Hour)

Remediation of the Essentials of Clinical Medicine 1 - Problem Based Learning Course *May be repeated for credit up to 2 times.*

MEDR 5595 - Essentials of Clinical Medicine 1 - Foundations of Clinical Practice Remediation (1 Credit Hour)

Remediation of the Essentials of Clinical Medicine 1 - Foundations of Clinical Practice course *May be repeated for credit up to 2 times.*

MEDR 6110 - Patient Centered Learning 1 Module Remediation (1 Credit Hour)

This is the remediation course for the introductory course PCL 1 module which allows students to begin their development of patient centered skills. Students will learn how to interview and examine patients, establish rapport, formulate and prioritize clinical problems, develop clinical diagnostic reasoning skills, and begin to formulate patient care plans. These skills will be developed through experiential learning processes that include small group workshops, standardized patient interactions, simulations, procedures skills development, and clinical patient contact. The course allows the students to begin forming, in a very real way, their professional identity and demeanor.

MEDR 6120 - Foundations of Medicine Module Remediation (1 Credit Hour)

This course is the remediation of the Foundations of Medicine Module, which is an integrated, introductory module that is designed to provide the students with an understanding of the foundational principles of medicine including those related to cellular and molecular principles of medicine, genetics and early development, biochemistry, physiology, medical therapeutics, histopathology, microbiology and immunology. Students will focus on clinically relevant normal and abnormal cellular structure and function (including regulation), the operations of the genome, the features of early development as well as the biological mechanisms by which the body responds to external stimuli. Through the use of patient cases, students will be introduced to the language, concepts, and treatment of disease to show how alterations in structure, function, and development are associated with disease states. This case-based module will include relevant professional, cultural, and biomedical ethical issues, with a focus on evidence-based medicine and value-based healthcare. This knowledge is foundational to primary care practice as well as other medical specialties.

MEDR 6130 - Musculoskeletal/Skin Module Remediation (1 Credit Hour)

This is a remediation course for the Musculoskeletal/Skin integrated module that is designed to provide the students with an understanding of the normal and abnormal structures and functions of the musculoskeletal system and skin along with the scientific basis of pathology and disease states. Patient cases will be utilized to help the students' gain the knowledge skills needed to develop differential diagnoses, interpret screening and diagnostic studies, and determine therapeutic management plans. This case-based module will include relevant professional, cultural, and biomedical ethical issues, with a focus on evidence-based medicine and value-based healthcare. This knowledge is foundational to primary care practice as well as other medical specialties.

MEDR 6150 - YOU+ Remediation (1 Credit Hour)

Remediation for YOU+ Course *May be repeated for credit up to 2 times.*

MEDR 6210 - Patient Centered Learning 2 Module Remediation (1 Credit Hour)

This is the remediation course for the PCL 2 Module in which students will continue to build on the skills they developed in the Patient Centered Learning 1 course. Students will continue to interview and examine patients, formulate and prioritize clinical problems, develop clinical diagnostic reasoning skills, and formulate patient care plans. This continued skill development will occur through experiential learning processes that include small group workshops, standardized patient interactions, simulations, procedures skills development, and clinical patient contact. This course allows the students to continue forming their professional identity and demeanor.

MEDR 6220 - Cardiopulmonary/Heme Module Remediation (1 Credit Hour)

This is the remediation course for an integrated module that is designed to provide students with an understanding of the normal and abnormal structures and functions of the cardiovascular and hematopoietic systems along with scientific basis of pathology and disease states. Patient cases will be utilized to help the students' gain the knowledge skills needed to develop differential diagnoses, interpret screening and diagnostic studies, and determine therapeutic management plans. This case-based module will include relevant professional, cultural, and biomedical ethical issues, with a focus on evidence-based medicine and value-based healthcare. This knowledge is foundational to primary care practice as well as other medical specialties.

MEDR 6230 - Healthcare Matters Module Remediation (1 Credit Hour)

This is the remediation course for the Healthcare Matters module which is designed to provide students the opportunity to build basic knowledge around population care that all physicians must know to run a practice or take a leadership role within healthcare settings. During this module, students will learn about public health, health policy, and patient advocacy through simulations, presentations, and small group activities. Because the medical field is quickly evolving to a more population-based, evidence-based practice, future physicians must understand what it means to promote preventative medicine in the community and touch lives beyond clinical practice.

MEDR 6240 - GI/GU/Endocrine Module Remediation (1 Credit Hour)

This is the remediation course for the integrated GI/GU/Endocrine module which is designed to provide the students with an understanding of the normal and abnormal structures and functions of the gastrointestinal, genitourinary, and endocrine systems along with the scientific basis of pathology and disease states. Patient cases will be utilized to help the students' gain the knowledge skills needed to develop differential diagnoses, interpret screening and diagnostic studies, and determine therapeutic management plans. This case-based module will include relevant professional, cultural, and biomedical ethical issues, with a focus on evidence-based medicine and value-based healthcare. This knowledge is foundational to primary care practice as well as other medical specialties.

MEDR 6300 - Career Paths in Medicine Module Remediation (1 Credit Hour)

This is the remediation course for the introductory module which is designed to provide medical students

with opportunities to explore various options for different career concentrations. The course will provide students with flexible and personalized experiences in their areas of interest. Choices will include options for learning about research, global health, biomedical ethics, health policy, leadership, and public health. Options will also be available to allow students to explore various medical specialties.

MEDR 6310 - Patient Centered Learning 3 Module Remediation (1 Credit Hour)

This is the remediation course for the PCL 3 module in which students will continue to build on the skills they developed in the Patient Centered Learning 1 and 2 courses. Students will continue to hone their interviewing and physical examination skills, their ability to formulate and prioritize clinical problems, their clinical diagnostic reasoning skills, and their ability to formulate patient care plans. These skills will be developed through experiential learning processes that include small group workshops, standardized patient interactions, simulations, procedures skills development, and clinical patient contact. This course allows the students to continue forming their professional identity and demeanor.

MEDR 6320 - Brain, Behavior, and Movement Module Remediation (1 Credit Hour)

This is the remediation course for the Brain/Behavior/Movement integrated module which is divided into two important areas, neurology and psychiatry. It is designed to provide students with an understanding of the normal and abnormal structures and functions of the central nervous system to include the head, neck, and special senses and behavior/psychiatry. Patient cases will be utilized to help the students' gain the knowledge skills needed to develop differential diagnoses, interpret screening and diagnostic studies, and determine therapeutic management plans. This case-based module will include relevant professional, cultural, and biomedical ethical issues, with a focus on evidence-based medicine and value-based healthcare. This knowledge is foundational to primary care practice as well as other medical specialties.

MEDR 6330 - Healthcare Across the Lifespan Module Remediation (1 Credit Hour)

This is the remediation course for the Healthcare across the Lifespan module which is designed to equip medical students with the knowledge, skills, and attitudes to enable students to better address the health and well being needs of patient across the lifespan continuum from conception to end-of-life. This case-based module will include relevant professional, cultural, and biomedical ethical issues, with a focus on evidence-based medicine and value-based healthcare. This knowledge is foundational to primary care practice as well as medical specialties.

MEDR 6340 - Capstone in Medicine 1 Module Remediation (1 Credit Hour)

This is the remediation course for the capstone module which is designed to help prepare students for transition to their clinical clerkships. Students will apply the knowledge and skills gained during the previous pre-clerkship courses to the most common patient cases they will encounter during their clerkships. This case-based module will include relevant professional, cultural, and biomedical ethical issues, with a focus on evidence-based medicine and value-based healthcare.

MEDR 6410 - Patient-Centered Learning Clerkship - Remediation (1 Credit Hour)

This is a remediation course for the clerkship year patient centered learning course.

MEDR 6510 - Patient-Centered Learning Advanced Clerkship Remediation (1 Credit Hour)

This is a remediation course for the PCL Advanced Clerkship Course.

MEDR 6591 - Essentials of Clinical Medicine 2 - Physical Diagnosis Remediation (1 Credit Hour)

Remediation of the Essentials of Clinical Medicine 2 - Physical Diagnosis course *May be repeated for credit up to 2 times.*

MEDR 6593 - Essentials of Clinical Medicine 2 - Problem Based Learning Remediation (1 Credit Hour)

Remediation of the Essentials of Clinical Medicine 2 - Problem Based Learning course *May be repeated*

for credit up to 2 times.

MEDR 6595 - Essentials of Clinical Medicine 2 – Foundations of Clinical Practice Remediation (1 Credit Hour)

Remediation of the Essentials of Clinical Medicine 2 – Foundations of Clinical Practice course. *May be repeated for credit up to 2 times.*

MEDR 6610 - Patient-Centered Learning Enrichment - Remediation (1 Credit Hour)

This is a remediation course for the PCL Enrichment course.

STUDENT EDUCATIONAL ENRICHMENT (MEDS)

MEDS 1100 - Science Principles: Health Sciences Application (0 Credit Hours)

A team-based science course designed to: a) improve students' knowledge of basic science principles that involve reviewing, acquiring, integration, and application of the basic science principles that underlie biomedical theory and practice; b) analyze clinically relevant problems to recognize the molecular basis for the causes, effects, and methods of treatment for a disease; and c) become aware of the advances in health sciences and understand the contributions of research to health care and public health.

MEDS 1107 - Biological Principles (4 Credit Hours)

This course is an introductory college level Biology course for aspiring science majors and pre-health professions students. The course is designed to hone students' skills and preparation for college level science courses, contributing to enhanced premedical preparation.

MEDS 3000 - Biological Chemistry (4 Credit Hours)

This course serves as an excellent introduction to students pursuing a career in medicine, dentistry, allied health, or biological research. The course surveys the fundamental components of biochemistry including organic chemistry and biology.

MEDS 3100 - Scientific Interpretation and Critical Thinking (2 Credit Hours)

This course is designed to introduce students to the fundamental concepts and practices of critical thinking in the sciences. Special focus is placed on the reading and interpretation of scientific and medical literature and applying concepts from the literature to novel situations, specifically in the area of health disparities.

MIDDLE GRADES EDUCATION (MGED)

MGED 3100 - The Nature and Needs of the Middle Grades Learner (3 Credit Hours)

This course is designed to enable teacher candidates to analyze and examine the nature of the middle grades student. The developmental needs and characteristics of students as adolescents and as individuals will be studied. A special focus on involving parents and the community in meeting the unique needs of middle grades students will be addressed. A field experience component is required in a local school setting.

MGED 3200 - Active Learning in the Middle Grades Classroom (3 Credit Hours)

Students will examine the elements of middle grades curriculum and instruction that is challenging, exploratory, integrative, and relevant. An emphasis will be placed on learner-centered pedagogy that engages young adolescents in active learning. Strategies to incorporate technology into instruction in the middle grades classroom will also be addressed. A field experience component is required in a local school setting.

MGED 3222 - Integrated Reading to Learn (3 Credit Hours)

Students will develop strategies to effectively engage Middle Grade students in reading across content areas. Students will develop approaches which emphasize reading as a means to learn. Students will also develop strategies to enable students to deal with reading deficiencies and other challenges students may face as readers in the Middle Grades. A field experience component is required in a local school setting.

MGED 3241 - Social Studies Education for Middle Grades (3 Credit Hours)

This course will emphasize how the conceptual themes and modes of inquiry represented in the national social studies standards are to be applied when formulating instruction and assessment activities that are appropriate to middle grade students. Special emphasis will be placed on concept formulation, thematic problem solving, strategic learning, complex skill development, and performance assessment. A field experience component is required in a local school setting.

MGED 3251 - Science Education for Middle Grades (3 Credit Hours)

This course emphasizes approaches to teaching science content that reflect understanding of the distinct characteristics of middle school students, the importance of inquiry and discovery in the process of coming to understand science content, and the framework provided by national and state science standards. A field experience component is required in a local school setting.

MGED 3300 - Middle Level Programs and Schools (3 Credit Hours)

Students will examine the origins and principles of the middle school movement, along with the current structure of middle level schools and programs. Principles of professionalism and professional learning communities will be explored, as well as the core principles of interdisciplinary instruction and teaming. A field experience component is required in a local school setting.

MGED 4100 - Assessment and Differentiation in the Middle Grades (3 Credit Hours)

Examines principles and strategies of effective classroom assessment techniques, as well as methods for using assessment to inform instruction in a differentiated middle grades classroom setting. Special focus is placed on meeting the needs of the diverse learners found in today's schools. A field experience component is required in a local school setting.

MGED 4200 - Classroom Management in Middle Grades (3 Credit Hours)

This course is designed to examine a variety of approaches for effective classroom management in the middle grades classroom. A special emphasis will be placed on current issues in contemporary middle schools. A field experience component is required in a local school setting.

MGED 4210 - Middle Grades Culminating Residency (13 Credit Hours)

Students are placed with selected master teachers for an entire semester during which time they are teaching in the curriculum areas for which they are seeking certification. During the semester, the apprentice teacher, under the supervision of the master teacher, assumes the responsibilities of professional teaching practice. During this semester, apprentices meet regularly with the master teachers and university coordinators in seminar to examine issues and problems of practice. Students reflect on and synthesize the conceptual and theoretical constructs of pedagogy with the complexity of practice. Successful completion of all components of middle grades sequence is required prior to culminating residency.

Corequisite(s): EDTD 4940; Additional Course Fee: Student Teaching Fee - \$200 Flat Fee

MANAGEMENT (MGMT)
MGMT 2106 - Legal and Ethical Environment of Business (3 Credit Hours)

This course analyzes the legal, ethical, economic, social, and political environment in which business

operates. The cost and benefits of regulation are appraised.

MGMT 3500 - Management Theory and Practice (3 Credit Hours)

A study of the theory and practices of management using a functional approach to emphasize the interdependence of behavior, technology, and organizational structure.

MGMT 3510 - Organizational Behavior (3 Credit Hours)

Examines the determinants and consequences of human behavior in formal organizations.

Prerequisite(s): (MGMT3500 >= C or MGT363 >= C)

MGMT 3530 - Legal and Policy Environment of Healthcare (3 Credit Hours)

This course provides an introduction to the legal and public policy foundations of health care in the United States. It is the responsibility of the US federal and state government to promote and protect the health and welfare of the public while respecting the interests, and upholding the rights, of the individual. The content of this course addresses how federal and state law and public policy balance the collective interests of US citizens and their individual rights as patients and providers.

Prerequisite(s): MGMT2106 >= C

MGMT 3540 - Leadership and Ethics in Management (3 Credit Hours)

Addresses both traditional and non-traditional characteristics, behaviors and responsibilities required of contemporary organizational leaders.

Prerequisite(s): MGMT3500 >= C

MGMT 4500 - Human Resource Management (3 Credit Hours)

An applications approach to the managerial decisions regarding selection, recruitment, training, performance appraisal, compensation, benefits, discipline, termination, and employment law.

Prerequisite(s): (MGMT3500 >= C or MGT363 >= C)

MGMT 4510 - Negotiation (3 Credit Hours)

An introductory survey of topics of negotiations in business. There are two major objectives for this course: 1) explore the major concepts and theories of the psychology of bargaining and negotiation, and the dynamics of interpersonal and intergroup conflict and its resolution; and 2) help students develop the sophistication to analyze bargaining and conflict relationships, and to learn (through class discussion and self-assessment) about their own individual "bargaining styles." The course is designed to be relevant to the broad spectrum of bargaining "problems" that are traditionally faced by a business manager or professional. Thus, the content is not restricted to students interested in one business discipline or industry. Students pursuing careers in sales, marketing, merger and acquisition, banking, purchasing, real estate, entrepreneurship and other areas that require skill in negotiation and persuasion should find the course useful and relevant.

Prerequisite(s): MGMT 2106 >= C AND MGMT 3500 >= C

MGMT 4520 - Labor Relations and Collective Bargaining (3 Credit Hours)

A decisional approach surrounding the union-management relationship including collective bargaining, contract negotiation and administration, dispute resolution (arbitration, mediation), the NLRA, and the structure and functioning of organized labor.

Prerequisite(s): (MGMT3500 >= C or MGT363 >= C)

MGMT 4530 - Healthcare Management (3 Credit Hours)

This course is designed to: 1) provide an understanding of the evolution of the US healthcare system; and 2) help students identify the elements of the individual manager's role in the inevitable and continuing process of organizational change in health care. Students will leave the course with an appreciation of the healthcare environment as a rapidly changing arena. Pressures on health care managers will increase to deliver quality care at lower cost. Healthcare organizations will continue to merge, affiliate, and pursue

other perceived organizational advantages.

Prerequisite(s): MGMT2106 >= C

MGMT 4540 - Sales Management (3 Credit Hours)

A study of planning, organizing, staffing, directing, and controlling of the sales force in developing an effective marketing organization.

Prerequisite(s): MKTG 3700 >=C and MKTG 3730 >=C

MGMT 4550 - Entrepreneurship and Small Business Management (3 Credit Hours)

An interdisciplinary case and lecture approach is used to provide the student with knowledge of real life as well as simulated management experience in areas of entrepreneurship and small business problem solving. Emphasis will be on the characteristics of entrepreneurs, small business problems, managing and controlling the operations.

Prerequisite(s): (MKTG3700 >= C or MKT353 >= C) and (MGMT3500 >= C or MGT363 >= C)

MGMT 4560 - Advanced Topics in Human Resources (3 Credit Hours)

Course contains module coverage of selected HR topics of selection, compensation, training and development, and safety and health issues.

Prerequisite(s): (MGMT4500 >= C or MGT434 >= C)

MGMT 4580 - Strategic Management (3 Credit Hours)

Analysis of the practices and problems in the strategic management of businesses through case studies and other information drawn from the functional areas of the enterprise. Serves as a capstone course.

Note: This course must be taken in final semester.

MGMT 4950 - Selected Topics (3 Credit Hours)

A course and/or directed study of a major issue, practice, or problem in the area of management. Content to be decided based on needs and professional objectives of students and the expertise and availability of faculty. *May be repeated for credit.*

MGMT 6290 - International Management (3 Credit Hours)

The advanced study of major aspects of international business including, but not limited to, how and why the world's countries differ, the economics and politics of international trade and investment, the functions and form of the global monetary system, and the organizational strategies and structures of international businesses. The course covers the international perspective of organizational functions including manufacturing and materials management, marketing, research and development, human resource management, accounting and finance issues. The course also relates theoretical international business concepts to current international issues.

MGMT 6500 - Organizational Behavior (3 Credit Hours)

An analysis of the determinants and consequences of human behavior in organizations with attention to motivation, leadership, and group dynamics.

MGMT 6510 - Managerial Leadership: Professional and Personal Development (3 Credit Hours)

Examines the interrelationships between business and society from a managerial perspective. Decision implications of ethics, the natural environment, stakeholder diversity and business regulation are addressed from an application standpoint.

MGMT 6520 - Management of Human Resources (3 Credit Hours)

A comprehensive survey of the typical personnel management decisions faced by managers, including accepted contemporary practice relative to job analysis, EEO regulations, selection, development, discipline, discharge, appraisal, compensation, benefits, and global human resource issues.

MGMT 6530 - Labor and Management Relations (3 Credit Hours)

A graduate level survey of organized labor, major labor legislation, and the collective bargaining process. Arbitration, negotiation, and unfair labor practices will be studied within an applications framework. Major focus is upon managing in a unionized environment.

MGMT 6550 - Strategy and Entrepreneurship Capstone (3 Credit Hours)

This course exposes students to concepts and practical application of strategy (the arrangements and deployment of resources for a sustainable competitive advantage) and entrepreneurship (the capacity and willingness to develop, launch, and manage a business venture and its risks) in evolving business environments.

MGMT 6560 - Health Policy and Management: Delivery of Healthcare in the US (3 Credit Hours)

This course includes a detailed review of the organization and financing of the US healthcare system with a focus on cost, quality, and access. Topics include: the evolution of health service in the US, the role of health services professionals in management, health policy, health services financing, and ethical challenges such as long term care, special populations, and the future of health services delivery.

MGMT 6580 - Strategic Management (3 Credit Hours)

Gives the student an opportunity to develop and appreciate conceptual skills as needed by higher level managers in all types of organizations. Emphasis is on the integration of subject matter from all courses in the discussion and analysis of organizational problems. Comprehensive analyses of organizations are conducted. To be taken within the last two semesters.

MGMT 6950 - Current Issues in Management (3 Credit Hours)

A variable content course individually designed to meet the needs, interests, and professional objectives in business administration. *May be repeated for credit.*

MEDICAL ILLUSTRATION (MILL)**MILL 6650 - Medical Illustration Techniques IA (3 Credit Hours)**

An introduction to techniques and media of the medical illustrator, including line, continuous tone, and color, using traditional materials and electronic media. The accurate and aesthetic presentation and preparation of visual biomedical information for publication and projection is stressed.

MILL 6651 - Medical Illustration Techniques I B (3 Credit Hours)

An introduction to techniques and media of the medical illustrator, including line, continuous tone, and color using traditional materials and electronic media. The accurate and aesthetic presentation and preparation of visual biomedical information for publication and projection is stressed.

Prerequisite(s): (MILL6650 >= C)

MILL 6658 - Medical Sculpture (1 to 3 Credit Hours)

An introduction to the techniques and media used in creating and producing three-dimensional bio-scientific materials, include facial prosthetics. *May be repeated for credit up to 5 times.*

MILL 6670 - Electronic Media I (3 Credit Hours)

Introduction to the terminology, concepts, and techniques of computer graphics, with emphasis on the software currently used in the field of medical illustration for two-dimensional images. Course will also cover current storage and output considerations.

MILL 6671 - Electronic Media II (3 Credit Hours)

Advanced concepts and techniques of computer graphics, with emphasis on the software currently used in the field of medical illustration for two-dimensional, as well as three-dimensional images.

Prerequisite(s): (MILL6670 >= C)

MILL 6780 - Surgical Techniques (2 Credit Hours)

An orientation to surgery in which the student performs several procedures on freshly preserved human cadavers, utilizing standard equipment, material and techniques.

Additional Course Fee: Medical Illustration Surgical Tech Fee - \$275 Flat Fee

MILL 7010 - Human Gross Anatomy for Medical Illustration, Part I (4 Credit Hours)

Study of the anatomy of the human body as applicable to medical illustration practice. Part I of II.

Lectures, laboratory and demonstration materials are directed studies. *May be repeated for credit up to 1 time.*

Additional Course Fee: Anatomy Lab Fee - \$400 Flat Fee

MILL 7011 - Human Gross Anatomy for Medical Illustration, Part II (3 Credit Hours)

Study of the anatomy of the human body as applicable to medical illustration practice. Part II of II.

Lectures, laboratory and demonstration materials are directed studies. *May be repeated for credit up to 1 time.*

Prerequisite(s): MILL7010 >= C

MILL 7040 - Neuroanatomy for Medical Illustration (4 Credit Hours)

An in-depth study of the central and peripheral nervous system. Lectures are based on nervous system functions. Laboratories consist of the study of the surface anatomy of the brain, spinal cord and peripheral nervous system. Internal structures of the brain and spinal cord are studied in coronal, sagittal and axial sections, as well as x-rays, CT-scans and MRI series. *May be repeated for credit up to 1 time.*

Prerequisite(s): MILL7010 >= C

Additional Course Fee: Anatomy Lab Fee - \$400 Flat Fee

MILL 7650 - Surgical Observation and Sketching I (3 Credit Hours)

The observation and sketching of surgical procedures in the operating rooms and related visual references in the clinics and laboratories of the medical center. The sketches are used as reference material for illustrations accomplished in MIL 7660, 7661, and 9210.

Prerequisite(s): (MILL6650 >= C) and (MILL6651 >= C) and (MILL6780 >= C)

MILL 7651 - Surgical Observation and Sketching II (1 Credit Hour)

The observation and sketching of surgical procedures in the operating rooms and related visual references in the clinics and laboratories of the medical center. The sketches are used as reference material for illustrations accomplished in MIL 7660, 7661, and 9210.

Prerequisite(s): (MILL7650 >= C)

MILL 7660 - Medical Illustration Techniques IIA (3 Credit Hours)

A studio experience in which the student utilizes a variety of art, media, and techniques in preparing medical illustrations that meet stated objectives. Emphasis is on application of techniques to practical assignments and on problem-solving.

Prerequisite(s): (MILL6651 >= C)

MILL 7661 - Medical Illustration Techniques IIB (3 Credit Hours)

A studio experience in which the student utilizes a variety of art, media, and techniques in preparing medical illustrations that meet stated objectives. Emphasis is on application of techniques to practical assignments and on problem solving.

Prerequisite(s): (MILL7660 >= C)

MILL 7670 - Multimedia I (3 Credit Hours)

Introduction to the terminology, concepts and techniques of animated computer graphics, with emphasis on the software currently used in the field of medical illustration for animation and interactive title

construction. Course will also cover script writing, story boarding, interface design and output considerations.

MILL 7671 - Multimedia II (3 Credit Hours)

Advanced concepts and techniques of computer animation and internet graphics, with emphasis on production of a interactive title.

Prerequisite(s): (MILL7670 >= C)

MILL 8020 - Business and Resource Management I (2 Credit Hours)

An overview of current instructional technology with emphasis on audiovisual resources. Management procedures and business practices for institutional and self-employment illustrators are covered. Issues related to ethics, copyright, contracts and negotiation are explored.

MILL 8021 - Business and Resource Management II (3 Credit Hours)

An overview of current instructional technology with emphasis on audiovisual resources. Management procedures and business practices for institutional and self-employment illustrators are covered. Issues related to ethics, copyright, contracts and negotiation are explored.

Prerequisite(s): MILL8020 >= C

MILL 8200 - Independent Study in Medical Illustration, Communication, or Visualization (1 Credit Hour)

Elective independent study course where a student will work individually with a medical illustration faculty member to design an individualized course of study, set course objectives and requirements, and designate student learning outcomes. Students must have a 3.75 cumulative GPA to qualify. *May be repeated for credit.*

MILL 9210 - Investigation of a Problem (1 to 4 Credit Hours)

Independent study demonstrating competency in creating and producing bio-scientific images for visual communication media in specific technique and subject matter areas. *May be repeated for credit up to 2 times.*

MILL 9211 - Investigation of a Problem II (2 Credit Hours)

Independent study demonstrating competency in researching, creating and producing bio-scientific images for visual communication media in specific technique and subject matter areas.

Prerequisite(s): MILL9210 >= C

MILL 9250 - Master's Project (1 to 4 Credit Hours)

A visual presentation of a bio-scientific subject prepared in partial fulfillment of the requirements for the degree of Master of Science in Medical Illustration.

MILITARY SCIENCE (MILS)

MILS 1000 - Military Science Leadership Development Laboratory (0 Credit Hours)

The Military Science minor is primarily designed for the student planning a career in the U.S. Army as a commissioned officer. Military Science teaches skills that are vital for professional success on and off the battlefield, such as group leadership, management positions and public speaking. Leadership is the process of influencing an individual or a team of people by providing them purpose, direction, and motivation to accomplish assigned missions and to improve the team for the future. Courses should be arranged in consultation with your major department and the Professor of Military Science. *May be repeated for credit up to 8 times.*

MILS 1011 - Foundations of Officership (3 Credit Hours)

Introduces students to issues and competencies that are central to a commissioned officer's

responsibilities. Establishes framework for understanding officership, leadership, and Army values followed by "life skills" such as physical fitness and time management. This course is designed to give the cadet insight into the Army profession and the officer's role within the Army. Open to all students.

MILS 1021 - Basic Leadership (3 Credit Hours)

Establishes foundation of basic leadership fundamentals such as problem solving, communications, briefings and effective writing, goal setting, techniques for improving listening and speaking skills and an introduction to counseling.

MILS 1506 - US Army Physical Readiness and Fitness Training (1 Credit Hour)

The Military Science minor is primarily designed for the student planning a career in the U.S. Army as a commissioned officer. Military Science teaches skills that are vital for professional success on and off the battlefield, such as group leadership, management positions and public speaking. Leadership is the process of influencing an individual or a team of people by providing them purpose, direction, and motivation to accomplish assigned missions and to improve the team for the future. Courses should be arranged in consultation with your major department and the Professor of Military Science.

MILS 2011 - Individual Leadership Studies (3 Credit Hours)

A study of a leader of a small organization. A practical exercise for the student to learn how to plan, organize, execute tasks, manage time and make sound decisions. Enrolled/contracted ROTC cadets can participate in a weekend exercise to put all skills to practice.

MILS 2021 - Leadership and Teamwork (3 Credit Hours)

Study examines how to build successful teams, various methods for influencing action, effective communication in setting and achieving goals, the importance of timing the decision, creativity in the problem solving process, and obtaining team buy-in through immediate feedback.

MILS 3011 - Leadership and Problem Solving (3 Credit Hours)

Students conduct self-assessment of leadership style, develop a personal fitness regimen, and learn to plan and conduct individual/small group tactical training while testing reasoning and problem-solving techniques. Students will receive direct feedback on leadership abilities. Students will also receive an introduction to the basic fundamentals of military map reading and land navigation. Prerequisite(s): Permission of Department Chair.

MILS 3021 - Leadership and Ethics (3 Credit Hours)

Examines the role of communications, values, and ethics in effective leadership. Topics include ethical decision-making, consideration of others, spirituality in the military, and a survey of Army leadership doctrine. Emphasis on improving oral and written communication abilities and improving land navigation as applied with the military small unit leader. Includes further development of small unit tactics, leadership skills, and physical conditioning. Prerequisite(s): Permission of Department Chair.

MILS 3060 - Leadership Training Course Summer Internship (3 Credit Hours)

A five week summer internship conducted at Fort Knox, KY. Students participate in physical training, land navigation, weapons and tactics, and leadership development. Successful completion qualifies individuals to validate or compete for a two year scholarship. Prerequisite(s): Permission of Department Chair. 2.5 GPA for scholarship.

MILS 4011 - Leadership Management (3 Credit Hours)

Develops student proficiency in planning and executing complex operations, functioning as a member of a staff, and mentoring subordinates. Students explore training management, methods of effective staff collaboration, and developmental counseling techniques.

Prerequisite(s): MILS3021 >= C

MILS 4021 - Officership (3 Credit Hours)

Focuses on completing the transition from cadet to lieutenant. Study includes case study analysis of military law and practical exercises on establishing an ethical command climate. Students must complete a semester long Senior Leadership Project that requires them to plan, organize, collaborate, analyze, and demonstrate their leadership skills.

Prerequisite(s): MILS4011 >= C

MILS 4060 - Leadership Development and Assessment (3 Credit Hours)

A five-week summer internship conducted at Fort Lewis, WA. Students participate in physical training, land navigation, weapons and tactics, and leadership development. The final camp score is part of the student's accessions packet for service in the Army.

Prerequisite(s): MILS3021 >= C

MILS 4950 - Selected Topics (3 Credit Hours)

An intensive/detailed study of an Army military battle. Study involves current Army doctrine, tactics, techniques, and procedures and how commanders won or lost the battle. Prerequisite(s): Permission of Department Chair. *May be repeated for credit.*

INFORMATION MANAGEMENT (MINF)**MINF 2201 - Microcomputer Applications (3 Credit Hours)**

Hands-on introduction to microcomputer applications which support business functions; word processing, spreadsheets, graphics, and database management system. Also exposure to use of an operating system, electronic communication, and basic computing concepts. STEM GPA Eligible Course.

Prerequisite(s): (MATH 1101 >= D or MATH 1001 >= D or MATH 1111 >= D or MAT107 >= D or MATH 1113 >= D or MAT115 >= D or MATH 2011 >= D or MAT201 >= D or MAT295 >= D or MATH 1220 >= D)

MINF 2650 - Principles of Data Management and Analysis (3 Credit Hours)

An introduction to information systems with a focus on the collection, manipulation and analysis of structured data. Students will utilize spreadsheets and relational databases to formulate solutions to common business challenges. In addition to fundamental data planning and modeling concepts, students will be introduced to data analysis and visualization techniques, as well as the use of structured programming to automate some data management tasks. STEM GPA Eligible Course.

Prerequisite(s): (MATH 1111 >= C or MATH 1113 >= C)

MINF 3618 - Business Introduction to Web Development (3 Credit Hours)

Business students will be exposed to appropriate format and page layout, adding and manipulating visuals, images, and rich media, creating a navigation scheme and linking together multiple pages and sites, creating basic forms, building interactive features, and publishing/maintaining web sites.

Prerequisite(s): full admission into the Hull College of Business. Note: credit not allowed for both MINF 3618 and AIST 2220.

MINF 3625 - Project Management (3 Credit Hours)

Project management is the use of a standardized set of documented processes to control projects in an organization. This course addresses the life cycle of a project, the management of the project, how a project scope is written, how the time management is constructed and communicated.

Prerequisite(s): (MINF2650 >= D or MINF2201 >= D or CSCI 1301 >= D)

MINF 3650 - Information Systems (3 Credit Hours)

Develops a broad understanding of the role of information technology, systems, and resources, especially in business settings.

Prerequisite(s): MINF2650 >= C

MINF 4625 - Advanced Project Management (3 Credit Hours)

Provides the experiential training in the application of project management principles and practices by developing a capstone project and working on a team project. Both predictive and adaptive lifecycles are taught. Students are exposed to basic project management tools used in the planning and execution of scope, cost and schedule baselines. Students select a project at the beginning of the course and submit a comprehensive project management plan at the end. Students will be prepared to obtain a Project Management Institute's certification at the end of the course.

Prerequisite(s): MINF 3625 >= C

MINF 4950 - Selected Topics in Management Information Systems (3 Credit Hours)

A course or directed study in management information systems. Content to be decided based upon instructor expertise and student interest. Prerequisite(s): Permission of instructor. *May be repeated for credit.*

MINF 6620 - Management of Information Technology (3 Credit Hours)

Examines the issues of information technology, operations, competitive advantage, and leadership from management's perspective. Includes cross-functional issues, relationships with vendors and consultants, RFP's, contracts, hardware, software, communications, and ethics.

MINF 6950 - Current Issues in MINF Systems (3 Credit Hours)

A variable content course individually designed to meet the needs, interests, and professional objectives in business administration. *May be repeated for credit.*

MARKETING (MKTG)**MKTG 3700 - Principles of Marketing (3 Credit Hours)**

An introduction to the basic principles of marketing and the marketing environment, with a focus on understanding ethical planning, implementing, and controlling marketing activities on a local, national, and global scale.

MKTG 3710 - Buyer Behavior (3 Credit Hours)

This course examines the decision-making process of individual and organizational buyers. It examines both target market selection and segmentation, drawing on concepts from economics, psychology, and sociology, and relating behavior issues to strategic planning.

Prerequisite(s): (MKTG3700 >= C or MKT353 >= C)

MKTG 3720 - Retail Management (3 Credit Hours)

Identification and analysis of concepts and practices of successful retailing management. Includes environmental and opportunity assessments, sales promotion and customer services, organizational and merchandise decisions, accounting controls, and leadership.

Prerequisite(s): (MKTG3700 >= C or MKT353 >= C)

MKTG 3730 – Professional Selling (3 Credit Hours)

Introduction to sales concepts and techniques and how to apply them in a myriad of selling situations. Management and evaluation of the sales force are also included.

Prerequisite(s): MKTG 3700 >= C

MKTG 3740 - Introduction to Hospitality (3 Credit Hours)

This course is designed as an introduction to the hospitality industry for first and second year business and non-business students to learn about different areas of hospitality management including tourism, arts, entertainment, food service and lodging industries. Major concepts provide a broad foundation of current knowledge about the world's largest industry and related career opportunities.

MKTG 3750 - Event Planning and Production (3 Credit Hours)

This course is designed to introduce students to the principles and practices involved with planning, staging and coordinating events, a specialty area within the practice of hospitality administration, public relations or general marketing. Major concepts provide a broad understanding of events from small celebrations to large corporate events. These concepts range from creative planning to strategic and fiscal analysis, within careers ranging from corporate meeting planners to governmental or entrepreneurial opportunities.

MKTG 3760 - Social Media Marketing (3 Credit Hours)

Social Media Marketing reviews basic marketing concepts that apply to any marketing business utilizing social media outlets. The course will give students the hands-on information they need to initially market a business, and introduce them to methods to keep a business, and their skills, at the forefront. Topics will include theoretical foundations and the 'how to' tips that yield social media marketing success. Students will learn how to build online marketing that is essential for new businesses including a social media marketing plan.

Prerequisite(s): MKTG3700 >= C

MKTG 3770 - Introduction to Digital Marketing (3 Credit Hours)

This course will examine a cross-section of digital marketing forms for today's business landscape. Students will understand the application of Internet and related digital technologies to achieve marketing objectives. Students will learn to develop integrated digital marketing strategies and execute tactics through a digital marketing project.

Prerequisite(s): MKTG3700 >= C

MKTG 4720 - Services Marketing (3 Credit Hours)

The service sector makes up more than two-thirds of the U.S. economy, and includes many industries important to the Augusta area such as healthcare, banking, tourism/hospitality, and insurance. This course emphasizes the differences in products and services and explores successful strategies for marketing in service industries.

Prerequisite(s): MKTG3700 >= C

MKTG 4740 - Marketing Research (3 Credit Hours)

Study and practice of planning, designing, organizing, executing, analyzing, reporting, and evaluating and controlling marketing research activities as an aid to effective and efficient managerial marketing decisions.

Prerequisite(s): MKTG3700 >= C and (MATH 2210 >= C or MATH 1401 >= C or MATH 1401H >= C)

MKTG 4750 - Marketing Planning and Strategy (3 Credit Hours)

An examination of the marketing decision-making process within the corporate strategic planning framework. The course explores strategic planning tools and assesses their strengths and weaknesses in helping attain long-range corporate objectives.

Prerequisite(s): (MKTG3700 >= C or MKT353 >= C)

MKTG 4760 - Resort and Facility Strategies (3 Credit Hours)

This course is designed as an overview of the broad range of facilities encompassed within the hospitality administration arena. Each type of facility or resort has a distinct mission and set of challenges. Major concepts provide an understanding of unique challenges but also common areas of concern including development, guest profiles and front-line employee-guest interaction. Within the broad categories of mountain-based, water-based, and sports based facilities are dozens of subsets including ski resorts, marinas and golf resorts. Global management careers range from general managers and marketing directors to membership managers and entertainment directors.

Prerequisite(s): MKTG3740 >= C and MKTG3750 >= C

MKTG 4780 - Advertising and Promotional Marketing (3 Credit Hours)

Introduction to marketing and advertising plans and strategies, the advertising business, advertising media, and advertising creativity.

Prerequisite(s): (MKTG3700 >= C or MKT353 >= C)

MKTG 4950 - Selected Topics (3 Credit Hours)

A course and/or directed study of a major issue, practice, or problem in the area of marketing. Content to be decided based on needs and professional objectives of students and the expertise and availability of faculty. *May be repeated for credit.*

Prerequisite(s): MKTG3700 >= C

MKTG 6700 - Marketing Management (3 Credit Hours)

Advanced study of the rationale for the marketing functions and the application of the managerial functions to marketing problems and opportunities.

MEDICAL LAB, IMAGING, AND RADIOLOGY SCIENCES (MLIR)

MLIR 3220 - Principles of Education (2 Credit Hours)

Introduces principles of educational design with application to student education, patient education, staff development, continuing education and clinical education.

MLIR 3320 – Principles of Education and Management (3 Credit Hours)

Introduces principles of educational design with application to student education, patient education, staff development, continuing education and clinical education. Provides an overview of management theory, management of human and financial resources, operations, and communication skills using the managerial functions of planning, organizing, leading, and controlling. Includes application of principles of administration, personnel management, design, equipment purchasing, information systems and concepts of quality management.

MLIR 3510 - Applied Research and Statistics (3 Credit Hours)

Prerequisites: College Algebra, BS Program enrollment.

This course offers an introduction to the basic statistical techniques used to analyze and interpret data in the health sciences and related fields. Emphasis will be placed on the application of these methods through qualitative, quantitative, and evidence-based research methods for clinical and professional studies. The ethical and procedural requirements for responsible research/scholarship will also be covered.

MLIR 4620 - Research Designs and Statistical Methods in Radiologic Sciences (3 Credit Hours)

Prerequisite: Elementary statistics or permission of instructor.

Introduction to fundamentals of designing research and statistical methods appropriate for allied health and radiological sciences. Teaches working knowledge of basic descriptive and inferential statistics in order to analyze relationships and differences among groups, and differentiation between experimental and quasi-experimental research designs. Students design a project and develop it into a research proposal.

MLIR 4999 - Independent Study (1 to 3 Credit Hours)

Prerequisite: Permission of instructor

Individualized to student's learner needs, either extraordinary or remedial.

MLIR 7100 - Clinical Patient Management (3 Credit Hours)

Introduction and evaluation of critical pathways of major DRGs in clinical patient management. Pathway analysis includes pathophysiology of disease processes and appropriateness/efficacy of diagnostic and therapeutic sequencing.

MLIR 7320 - Principles of Education and Management (3 Credit Hours)

Introduces principles of educational design with application to student education, patient education, staff development, continuing education and clinical education. Students are expected to perform critical evaluations of clinical cases and/or scientific papers and additional advanced practice competencies in related content area.

MOLECULAR ONCOLOGY AND IMMUNOLOGY (MOIM)**MOIM 8030 - Biological Signaling (3 Credit Hours)**

Prerequisite: Completion of first year biomedical sciences graduate core curriculum. Strategies of communication at various levels of biological organization. Covers intracellular communication, communication between cells in multi-cellular organisms, and interactions between organisms in a group or ecosystem. Focuses on emergent properties of complex systems.

MOIM 8040 - Molecular Oncology and Immunology (3 Credit Hours)

Prerequisite: Completion of first year biomedical sciences graduate core curriculum. This course covers a variety of current topics centered on specific human diseases with a molecular aspect to diagnosis or treatment. Clinical case presentations form the starting point for an interactive discussion of the interface between basic research and clinical medicine. The course emphasizes acquisition of skills in interpreting cutting-edge primary scientific literature, and synthesizing this knowledge with real world patient care.

MOIM 8130 - Advanced Topics in Molecular and Cellular Immunology (3 Credit Hours)

Prerequisite: Completion of first year biomedical sciences graduate core curriculum. Also open to medical students with interests in basic immunology. This course will cover current topics in immunology including tolerance, thymocytes development, lymphocyte activation, immunological memory, cell adhesion and cell cycle control. The course will emphasize an understanding of the molecular mechanisms of immune responses and will focus on gaining a critical understanding of the on gaining a critical understanding of the current scientific literature in immunology.

MOIM 8300 - Thesis Research (1 to 12 Credit Hours)

This course requires permanent assignment to a specific lab with a faculty advisor and a defined research project. The student works under the mentorship of their faculty thesis advisor to define, develop, and carry out the basic study of a research problem of interest to both student and advisor. This course is designed to develop the experience, understanding, and skills to conduct and assess original, independent research in biomedical science. This course is typically taken more than one time and culminates in the final semester in the preparation and defense of a MS thesis. *May be repeated for credit.*

MOIM 9010 - Advanced Seminar in Molecular Oncology and Immunology (1 Credit Hour)

Seminar-style course covers a single, current topic in Molecular Oncology and Immunology. Prerequisite(s): Completion of first year biomedical sciences graduate core curriculum.

MOIM 9020 - Seminar in Molecular Oncology and Immunology (1 Credit Hour)

Training in critical evaluation of basic biomedical research. Students are expected to attend seminars given by both internal and external speakers to provide written summaries of some of the topics

presented. *May be repeated for credit.*

MOIM 9030 - Seminars in Molecular Oncology and Immunology (1 Credit Hour)

This course will provide training in critical evaluation of basic biomedical research. Students will be expected to attend seminars given by both internal and external speakers and to provide written summaries of some of the topics presented. This course is offered in the spring semester. *May be repeated for credit.*

MOIM 9040 - Molecular Oncology and Immunology Journal Club (1 Credit Hour)

Provides: 1) In-depth discussion of current topics in Molecular Oncology and Immunology; 2) The opportunity to critically evaluate and present current papers; 3) Discussion of current techniques in the field; and 4) Faculty mentoring of students in career skills (e.g., searching for postdoc positions, job interviews, balancing family and science). Each week the discussion focuses on a current scientific paper, classic techniques paper, or opinion paper, depending on the goal described above. Each senior student (third year plus) selects and presents a paper to the class. Presentations are followed by a class discussion. Feedback on student performance is provided by the faculty mentor assigned to the topic. Discussions of current techniques and career skills is led by faculty experts. This course enhances students' ability to analyze and present scientific literature. *May be repeated for credit.*

MOIM 9210 - Investigation of a Problem (1 to 12 Credit Hours)

This course is a laboratory rotation course that allows students to spend time during their first year in a faculty member's lab and prior to completion of the second qualifying examination. *May be repeated for credit.*

MOIM 9300 - Research (1 to 12 Credit Hours)

Permanent assignment to a specific lab with a major advisor and a defined research project. After successful completion of the second qualifying examination, the student works closely with their major advisor on an in-depth study of a research problem of interest to both student and advisor. This course culminates in the preparation of a PhD dissertation. Enrollment in this course requires official admission to candidacy. *May be repeated for credit.*

PUBLIC HEALTH CORE (MPHC)

MPHC 7101 - Health Management and Policy (3 Credit Hours)

Applied study of the managerial functions of planning, organizing, leading and controlling. Students work through specific issues related to operational and strategic planning, organizational structures and relationships, motivation leadership theories and application, as well as fiscal and non-fiscal control processes, work standards, work measurement, and productivity. Special attention is given to the concept of health systems management and techniques of health systems analysis. Includes office ergonomics, information management and equipment procurement.

MPHC 7104 - Health Care Financial Management (3 Credit Hours)

The purpose of this course is to provide the student with a practical understanding of the basic financial and budgeting concepts and tools used by healthcare organizations. The student will be provided with a basic refresher on accounting terminology and principles. Additionally the student will learn about cost concepts, the financial market, financial analysis, management of capital institutional budgeting, decision analysis, and emerging issues in healthcare finance.

MPHC 7209 - Health Law and Ethics (3 Credit Hours)

Overview of the law and its administration as it applies to questions of policy and procedure development for health data requirements in a healthcare setting. Includes basic ethical principles and situations of ethical dilemma and ethical decision-making processes.

MPHC 7210 - Health Care Performance Improvement (3 Credit Hours)

Introduces concepts in quality management. Areas discussed include continuous quality improvement, utilization and risk management, accrediting functions, six-sigma and statistical process control, balanced scorecards, outcomes and disease management.

MPHC 8011 - Ethical Conduct in Research (1 Credit Hour)

Ethical Conduct in Research is a one credit hour core course designed to introduce students to the scope of recommended practices of responsible research in the social and behavioral science model (SBE) for research. *May be repeated for credit.*

MPHC 8600 - Fundamentals of Health Promotion (3 Credit Hours)

An overview of theories and principles of social and behavior determinants of health, the social-ecological approach to public health, an overview of health promotion and disease prevention models of success, and the challenges of Healthy People 2010 objectives and health promotion informatics.

MPHC 8700 - Introduction to Environmental Health (3 Credit Hours)

Major environmental health problems, including water quality, wastewater, and occupational health, trace elements in the environment, municipal, hazardous, and medical waste, food protection, vector control, and air quality are discussed. Introduction to the concept of environmental health informatics

MPHC 8722 - Internship (2 or 5 Credit Hours)

All Master of Public Health (MPH) degree candidates in the MPH program must complete an internship, five credits for admission cohorts before fall 2021, and two credits for the admission cohorts from fall 2021. The internship is a field experience that integrates professional academic preparation and public health practice. Public health and health informatics/management knowledge and skills obtained in core and concentration courses are applied in an organizational setting under an experienced preceptor's supervision and guidance. Under the direction of a preceptor, the academic advisor, and the internship coordinator, students develop a work plan that bridges the students' career goals with public health competencies. Students must complete objectives defined in the work plan and submit other reports specified in the course syllabus at the end of the internship experience.

MPHC 8800 - Health Decision Support Systems (3 Credit Hours)

This course presents an overview of automated decision systems used in clinical care, health administration and public health. The intensive format of the course allows for topic discussion, on-site observation of clinical, managerial, and population-based decision support systems.

MPHC 8999 - Capstone Course (3 Credit Hours)

The goal of the course is to facilitate the student's transition from graduate school to life as a public health professional. The course takes two concurrent pedagogical methods to accomplish this goal: 1) Seminar lectures and exercises designed to aid the integration of public health practice principles to enhance job performance and future careers, and to introduce some concepts by which students can expect to be managed and can use to manage others, and 2) the "Capstone Project" which provides an opportunity to integrate both technical and professional knowledge into comprehensive web-enabled oral and written reports on a student's selected public health topic.

ENVIRONMENTAL HEALTH (MPHE)

MPHE 8900 - Fundamentals of Air Pollution with a Lab (4 Credit Hours)

This course provides an overview of a broad array of topics related to air pollution, including sources, emissions and properties of air pollutants, sampling and analytical approaches, impacts of air pollutants (including to visibility, tropospheric and stratospheric ozone, and involving climate change), regulatory aspects, human exposures and effects (including as examined via toxicology and epidemiology), risk

assessment, and ethical considerations.

MPHE 8902 - Environmental Toxicology (3 Credit Hours)

The toxicology of chemical compounds of wide industrial use; carcinogens in the workplace; chemical hazards and their interaction with man by class of compound; criteria for threshold limit values.

MPHE 8903 - Occupational and Environmental Hygiene (3 Credit Hours)

Regulatory controls and occupational safety in the use of ionizing and non-ionizing radiation.

MPHE 8904 - Environmental Aquatic Sciences (3 Credit Hours)

The course addresses multiple fundamental aspects of aquatic sciences relevant to public health, including an overview of hydrology, aquatic ecosystems, aquatic chemistry, chemical transport and fate, water-related microorganisms and disease, monitoring, wastewater and drinking water treatment, climate change, water and health, and approaches to addressing water problems, including via federal and state policies in the U.S.

MPHE 8905 - Environmental Impact Risk and Exposure Assessment (3 Credit Hours)

This course will present topics in the study of national policies and methodologies in identifying synergistic effects and biological markers.

HEALTH INFORMATION (MPHI)

MPHI 8000 - Computerized Health Information Systems (3 Credit Hours)

Prerequisite: Acceptance to the Master of Public Health program or instructor permission.

This course explores information systems theory, current and emerging technology, applications in the healthcare industry, health information systems strategic planning, and computer-based patient record theory.

MPHI 8001 - Public Health Informatics (3 Credit Hours)

An overview of the field of public health informatics, integrating themes from information sciences, public health, computer science and medical science. Topics include: utilization of health information services, organization and management of online current and emerging public health technology collections, automation of information technology, and public health professional knowledge as a component of evidence-based practice.

MPHI 8100 - Health Care Content, Standards, and Structure (3 Credit Hours)

Healthcare information standards are addressed with emphasis on current healthcare regulations and standards. The effective use of networks to share healthcare data is explored; emphasis is placed on developing the expertise to apply standards effectively in a healthcare facility to achieve full integration of organizational health information systems.

MPHI 8400 - Health Data Management and Knowledge Discovery (3 Credit Hours)

This course focuses on the acquisition and use of patient level data to support population, administrative and clinical decision-making in healthcare organizations. Course emphasis is in data mining and knowledge discovery techniques including the advanced treatment of statistical analysis and methods of communicating the outcomes of health interventions.

MPHI 8500 - Health Information Systems Analysis and Project Management (3 Credit Hours)

This course explores the aspects of strategic planning, analysis, design, evaluation, and implementation of effective healthcare information systems. It teaches the principles, techniques, and tools for successful project management. Emphasis is placed on the skills required to lead technical and professional team

members through work process design activities within a healthcare organization.

MPHI 8800 - Health Decision Support Systems (3 Credit Hours)

This course presents an overview of automated decision systems used in clinical care, health administration and public health. The intensive format of the course allows for topic discussion, on-site observation of clinical, managerial, and population-based decision support systems.

HEALTH MANAGEMENT (MPHM)

MPHM 7102 - Human Resource Management (3 Credit Hours)

A comprehensive human resource management course which develops student understanding of the employer-employee relationship. Includes the major human resource management functions. Topics include job analysis, job descriptions, employee recruitment, selection, and training, salary administration, performance appraisals, and collective bargaining.

MPHM 7104 - Healthcare Financial Management (3 Credit Hours)

The purpose of this course is to provide the student with a practical understanding of the basic financial and budgeting concepts and tools used by healthcare organizations. The student will be provided with a basic refresher on accounting terminology and principles. Additionally the student will learn about cost concepts, the financial market, financial analysis, management of capital institutional budgeting, decision analysis, and emerging issues in healthcare finance.

MPHM 7112 - Health Policy and Politics (3 Credit Hours)

This course provides an introduction to health policy and key features of the US healthcare system.

MPHM 7210 - Health Care Performance Improvement (3 Credit Hours)

Introduces concepts in quality management. Areas discussed include continuous quality improvement, utilization and risk management, accrediting functions, six-sigma and statistical process control, balanced scorecards, outcomes and disease management.

MPHM 7220 - Current Topics in Public Health (3 Credit Hours)

This course examines major domains of public health and current trends and special topics within each domain.

MPHM 8000 - Independent Study (1 to 3 Credit Hours)

This is an elective independent study course where a student will work individually with the faculty advisor to design an individualized course of study, set course objectives and requirements, and designate student learning outcomes. It is designed to provide students with in-depth knowledge related to their area of proposed research or professional interest that falls outside the current graduate course offerings. The course aims to develop the skill, knowledge, and areas of capstone project, which occurs outside the traditional classroom/laboratory setting under the supervision of a faculty member.

MPHM 8110 - Leadership and Decision Making (3 Credit Hours)

This course provides an introduction and overview to leadership, management, decision making, and organizational behavior in healthcare.

MPHM 8220 - Strategic Management of Healthcare Organizations (3 Credit Hours)

This course introduces ways of introducing and managing change in healthcare organizations as adaptive responses to the external environment.

MPHM 8280 - Research Methods in Public Health (3 Credit Hours)

An introduction to research methods in public health, including research design and methods for data collection and data analysis. The course serves as an introduction to quantitative, qualitative, mixed-

method, and community-based participatory approaches to research in public health, as well as ethical issues in conducting research. Through the mix of coursework, textbook readings, and articles from the public health literature, students acquire skills needed to develop a research proposal to address a public health problem, while developing competencies in: 1) conducting a literature review, 2) critically evaluating research designs, and 3) analyzing quantitative and qualitative data.

Prerequisite(s): STAT 7010 >= C

MPHM 8998 - Extended Capstone (3 Credit Hours)

Extends the required capstone course to provide additional research time.

SOCIAL AND BEHAVIORAL SCIENCES (MPHS)

MPHS 8200 - Integration Social and Behavioral Theory into Public Health (3 Credit Hours)

Introduces students to the ecologic framework of health behavior by integrating perspectives from anthropology, sociology, and cognitive sciences. Uses a combination of lectures, readings, discussions, and small group exercises to support the premise that effective interventions consider health behaviors at multiple levels: macro level (socio-economic); mezzo level (social networks and social capital) and micro level (influences on rational decision-making).

MPHS 8300 - Social Determinants of Health and Health Disparities (3 Credit Hours)

The course provides students with a basic understanding of our society's most pervasive social disparities in health status and prepares students to evaluate underlying theories and promising interventions related to social determinants of health.

MPHS 8400 - Social Behavioral Change at Individual, Household, and Community Levels (3 Credit Hours)

Provides students with conceptual tools to analyze health-related behaviors and the social, cultural, and environmental context in which they occur. Applies concepts and theories drawn from medical anthropology, psychology, and sociology to programmatic examples from Latin America, Africa, and Asia concerning care-seeking, treatment of sick children, voluntary counseling and testing, sexual risk behaviors, intimate partner violence, and other behavior change challenges in public health.

MPHS 8500 - Implementation and Sustainability of Community-Based Health Programs (3 Credit Hours)

Uses projects to describe the delivery process of sustainable activities and benefits of community-based disease prevention and health promotion. Also provides students with theories of innovation and organizational change and the relationships between investments in health and overall community development.

MPHS 8600 - Research Design in Social and Behavioral Sciences (3 Credit Hours)

Offers an overview of major types of social sciences research design (experimental, quasi-experimental, observation). Discusses the ways in which each social science perspective shapes the conduct and results of research, compared to other disciplines in public health.

MPHS 8700 - Cancer Epidemiology (3 Credit Hours)

The goal of this course is to provide an overview of the important concepts and tools fundamental to the understanding, design, and conduct of cancer epidemiology studies. It will provide an overview of the biology of cancer, as well as the major epidemiologic concepts critical to cancer epidemiology. We will study many of the major cancer sites, including breast, lung, colon, prostate, cervix, and melanoma, reviewing descriptive data on incidence and mortality, risk factors, and methodological issues involved in studying these cancers. We will review several major risk factors for cancer, including tobacco, nutrition,

infections, and environmental exposures.

MPHS 8800 - Introduction to Cancer Prevention and Control (3 Credit Hours)

Cancer is the second leading cause of death in this country, making its prevention and control important in public health practice. This urgency is exacerbated by the existence of racial/ethnic disparities in cancer incidence, morbidity, and mortality. Using an integrative, collaborative, and translational approach, this course is designed to examine concepts, methods, issues, and applications related to cancer risk reduction. Students will gain access to broad perspective of scientific and public health practices. The spectrum of research and practices including diet and diet-related lifestyle factors (such as weight and physical activity) and tobacco (including the prevention/cessation), will be studied in detail.

MPHS 8900 - Prevention, Rehabilitation, and System Change among Incarcerated Adult Offenders (3 Credit Hours)

Describes the roles that which places incarceration on the public health agenda by using public health tools to address the epidemic of mass incarceration.

MPHS 9000 - Public Health Issues in Juvenile Detention Centers (3 Credit Hours)

Provides a discussion on public health challenges for the growing number of teenagers incarcerated and addresses opportunities for public health intervention.

MUSIC - APPLIED (MUSA)

MUSA 1100 - Voice Secondary (1 Credit Hour)

May be repeated for credit.

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1101 - Voice Concentration (1 Credit Hour)

Must be enrolled in either MUSI 1620 or MUSI 1621 as a co-requisite. *May be repeated for credit.*

Corequisite(s): MUSA2105, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1102 - Voice Concentration (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA1101 >= C); Corequisite(s): MUSA2105, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1210 - Flute Secondary (1 Credit Hour)

May be repeated for credit.

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1211 - Flute Concentration (1 Credit Hour)

May be repeated for credit.

Corequisite(s): MUSA2205, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1212 - Flute Concentration (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): MUSA1211 >= C; Corequisite(s): MUSA2205, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1220 - Oboe Secondary (1 Credit Hour)

May be repeated for credit.

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1221 - Oboe Concentration (1 Credit Hour)

May be repeated for credit.

Corequisite(s): MUSA2205, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1222 - Oboe Concentration (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): MUSA1221 >= C; Corequisite(s): MUSA2205, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1230 - Clarinet Secondary (1 Credit Hour)

May be repeated for credit.

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1231 - Clarinet Concentration (1 Credit Hour)

May be repeated for credit.

Corequisite(s): MUSA2205, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1232 - Clarinet Concentration (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): MUSA1231 >= C; Corequisite(s): MUSA2205, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1240 - Bassoon Secondary (1 Credit Hour)

May be repeated for credit.

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1241 - Bassoon Concentration (1 Credit Hour)

May be repeated for credit.

Corequisite(s): MUSA2205, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1242 - Bassoon Concentration (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): MUSA1241 >= C; Corequisite(s): MUSA2205, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1250 - Saxophone Secondary (1 Credit Hour)

May be repeated for credit.

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1251 - Saxophone Concentration (1 Credit Hour)

May be repeated for credit.

Corequisite(s): MUSA2205, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1252 - Saxophone Concentration (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): MUSA1251 >= C; Corequisite(s): MUSA2205, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1310 - Trumpet Secondary (1 Credit Hour)

May be repeated for credit.

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1311 - Trumpet Concentration (1 Credit Hour)

May be repeated for credit.

Corequisite(s): MUSA2305, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1312 - Trumpet Concentration (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): MUSA1311 >= C; Corequisite(s): MUSA2305, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1320 - Horn Secondary (1 Credit Hour)

May be repeated for credit.

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1321 - Horn Concentration (1 Credit Hour)

May be repeated for credit.

Corequisite(s): MUSA2305, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1322 - Horn Concentration (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): MUSA1321 >= C; Corequisite(s): MUSA2305, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1330 - Trombone Secondary (1 Credit Hour)

May be repeated for credit.

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1331 - Trombone Concentration (1 Credit Hour)

May be repeated for credit.

Corequisite(s): MUSA2305, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1332 - Trombone Concentration (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): MUSA1331 >= C; Corequisite(s): MUSA2305, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1340 - Euphonium Secondary (1 Credit Hour)

May be repeated for credit.

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1341 - Euphonium Concentration (1 Credit Hour)

May be repeated for credit.

Corequisite(s): MUSA2305, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1342 - Euphonium Concentration (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): MUSA1341 >= C; Corequisite(s): MUSA2305, MUSI1500
Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1350 - Tuba Secondary (1 Credit Hour)

May be repeated for credit.

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1351 - Tuba Concentration (1 Credit Hour)

May be repeated for credit.

Corequisite(s): MUSA2305, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1352 - Tuba Concentration (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): MUSA1351 >= C; Corequisite(s): MUSA2305, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1410 - Percussion Secondary (1 Credit Hour)

May be repeated for credit.

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1411 - Percussion Concentration (1 Credit Hour)

May be repeated for credit.

Corequisite(s): MUSA2405, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1412 - Percussion Concentration (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): MUSA1411 >= C; Corequisite(s): MUSA2405, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1510 - Violin Secondary (1 Credit Hour)

May be repeated for credit.

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1511 - Violin Concentration (1 Credit Hour)

May be repeated for credit.

Corequisite(s): MUSA2505, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1512 - Violin Concentration (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): MUSA1511 >= C; Corequisite(s): MUSA2505, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1520 - Viola Secondary (1 Credit Hour)

May be repeated for credit.

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1521 - Viola Concentration (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): MUSI1630; Corequisite(s): MUSA2505, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1522 - Viola Concentration (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): MUSA1521 >= C; Corequisite(s): MUSA2505, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1530 - Violincello Secondary (1 Credit Hour)

May be repeated for credit.

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1531 - Violincello Concentration (1 Credit Hour)

May be repeated for credit.

Corequisite(s): MUSA2505, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1532 - Violincello Concentration (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): MUSA1531 >= C; Corequisite(s): MUSA2505, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1540 - Double Bass Secondary (1 Credit Hour)

May be repeated for credit.

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1541 - Double Bass Concentration (1 Credit Hour)

May be repeated for credit.

Corequisite(s): MUSA2505, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1542 - Double Bass Concentration (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): MUSA1541 >= C; Corequisite(s): MUSA2505, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1550 - Guitar Secondary (1 Credit Hour)

May be repeated for credit.

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1551 - Guitar Concentration (1 Credit Hour)

May be repeated for credit.

Corequisite(s): MUSA2555, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1552 - Guitar Concentration (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA1551 >= C); Corequisite(s): MUSA2555, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1610 - Piano Secondary (1 Credit Hour)

May be repeated for credit.

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1611 - Piano Concentration (1 Credit Hour)

May be repeated for credit.

Corequisite(s): MUSA2605, MUSI1500
Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1612 - Piano Concentration (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA1611 >= C); Corequisite(s): MUSA2605, MUSI1500
Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1620 - Organ Secondary (1 Credit Hour)

May be repeated for credit.

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1621 - Organ Concentration (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSI1610 or MUSI1620 or MUSI1621 or MUSI1630); Corequisite(s): MUSA2605, MUSI1500
Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1622 - Organ Concentration (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA1621 >= C); Corequisite(s): MUSA2605, MUSI1500
Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1711 - Jazz Winds (1 Credit Hour)

Individualized instruction in jazz. One one-hour private lesson per week. Emphasis will be placed upon jazz performance skills and pedagogical concepts. *May be repeated for credit.*

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1712 - Jazz Winds (1 Credit Hour)

Individualized instruction in jazz. One one-hour private lesson per week. Emphasis will be placed upon jazz performance skills and pedagogical concepts. *May be repeated for credit.*

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1721 - Jazz Piano (1 Credit Hour)

Individualized instruction in jazz. One one-hour private lesson per week. Emphasis will be placed upon jazz performance skills and pedagogical concepts. *May be repeated for credit.*

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1722 - Jazz Piano (1 Credit Hour)

Individualized instruction in jazz. One one-hour private lesson per week. Emphasis will be placed upon jazz performance skills and pedagogical concepts. *May be repeated for credit.*

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1731 - Jazz Percussion (1 Credit Hour)

Individualized instruction in jazz. One one-hour private lesson per week. Emphasis will be placed upon jazz performance skills and pedagogical concepts. *May be repeated for credit.*

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1732 - Jazz Percussion (1 Credit Hour)

Individualized instruction in jazz. One one-hour private lesson per week. Emphasis will be placed upon jazz performance skills and pedagogical concepts. *May be repeated for credit.*

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1741 - Jazz Strings (1 Credit Hour)

Individualized instruction in jazz. One one-hour private lesson per week. Emphasis will be placed upon jazz performance skills and pedagogical concepts. *May be repeated for credit.*

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1742 - Jazz Strings (1 Credit Hour)

Individualized instruction in jazz. One one-hour private lesson per week. Emphasis will be placed upon jazz performance skills and pedagogical concepts. *May be repeated for credit.*

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 1810 - Classical Composition Secondary (1 Credit Hour)

May be repeated for credit.

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2100 - Voice Secondary (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA1100 >= C)

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2101 - Voice Concentration (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA1102 >= C); Corequisite(s): MUSA2105, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2102 - Voice Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2101 >= C); Corequisite(s): MUSA2105, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2103 - Voice Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA1102 >= C); Corequisite(s): MUSA2105, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2104 - Voice Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2103 >= C); Corequisite(s): MUSA2105, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2105 - Voice Studio Class (0 Credit Hours)

A forum for the discussion of performances, techniques and repertoire in the student's applied performance area. Corequisite: major or concentration applied lessons. *May be repeated for credit.*

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2205 - Woodwind Studio Class (0 Credit Hours)

A forum for the discussion of performances, techniques and repertoire in the student's applied performance area. Corequisite: major or concentration applied lessons. *May be repeated for credit.*

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2210 - Flute Secondary (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA1210 >= C)

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2211 - Flute Concentration (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA1212 >= C); Corequisite(s): MUSA2205, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2212 - Flute Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2211 >= C); Corequisite(s): MUSA2205, MUSI1500

MUSA 2213 - Flute Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA1212 >= C); Corequisite(s): MUSA2205, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2214 - Flute Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2213 >= C); Corequisite(s): MUSA2205, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2220 - Oboe Secondary (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA1220 >= C)

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2221 - Oboe Concentration (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA1222 >= C); Corequisite(s): MUSA2205, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2222 - Oboe Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2221 >= C); Corequisite(s): MUSA2205, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2223 - Oboe Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA1222 >= C); Corequisite(s): MUSA2205, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2224 - Oboe Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2223 >= C); Corequisite(s): MUSA2205, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2230 - Clarinet Secondary (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA1230 >= C)

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2231 - Clarinet Concentration (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA1232 >= C); Corequisite(s): MUSA2205, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2232 - Clarinet Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2231 >= C); Corequisite(s): MUSA2205, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2233 - Clarinet Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA1232 >= C); Corequisite(s): MUSA2205, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2234 - Clarinet Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2233 >= C); Corequisite(s): MUSA2205, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2240 - Bassoon Secondary (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA1240 >= C)

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2241 - Bassoon Concentration (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA1242 >= C); Corequisite(s): MUSA2205, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2242 - Bassoon Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2241 >= C); Corequisite(s): MUSA2205, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2243 - Bassoon Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA1242 >= C); Corequisite(s): MUSA2205, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2244 - Bassoon Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2243 >= C); Corequisite(s): MUSA2205, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2250 - Saxophone Secondary (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA1250 >= C)

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2251 - Saxophone Concentration (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA1252 >= C); Corequisite(s): MUSA2205, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2252 - Saxophone Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2251 >= C); Corequisite(s): MUSA2205, MUSI1500
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2253 - Saxophone Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA1252 >= C); Corequisite(s): MUSA2205, MUSI1500
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2254 - Saxophone Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2253 >= C); Corequisite(s): MUSA2205, MUSI1500
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2305 - Brass Studio Class (0 Credit Hours)

A forum for the discussion of performances, techniques and repertoire in the student's applied performance area. Corequisite: major or concentration applied lessons. *May be repeated for credit.*
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2310 - Trumpet Secondary (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA1310 >= C)
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2311 - Trumpet Concentration (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA1312 >= C); Corequisite(s): MUSA2305, MUSI1500
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2312 - Trumpet Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2311 >= C); Corequisite(s): MUSA2305, MUSI1500
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2313 - Trumpet Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA1312 >= C); Corequisite(s): MUSA2305, MUSI1500
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2314 - Trumpet Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2313 >= C); Corequisite(s): MUSA2305, MUSI1500
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2320 - Horn Secondary (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA1320 >= C)
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2321 - Horn Concentration (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA1322 >= C); Corequisite(s): MUSA2305, MUSI1500
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2322 - Horn Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2321 >= C); Corequisite(s): MUSA2305, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2323 - Horn Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA1322 >= C); Corequisite(s): MUSA2305, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2324 - Horn Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2323 >= C); Corequisite(s): MUSA2305, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2330 - Trombone Secondary (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA1330 >= C)

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2331 - Trombone Concentration (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA1332 >= C); Corequisite(s): MUSA2305, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2332 - Trombone Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2331 >= C); Corequisite(s): MUSA2305, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2333 - Trombone Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA1332 >= C); Corequisite(s): MUSA2305, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2334 - Trombone Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2333 >= C); Corequisite(s): MUSA2305, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2340 - Euphonium Secondary (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA1340 >= C)

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2341 - Euphonium Concentration (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA1342 >= C); Corequisite(s): MUSA2305, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2342 - Euphonium Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2341 >= C); Corequisite(s): MUSA2305, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2343 - Euphonium Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA1342 >= C); Corequisite(s): MUSA2305, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2344 - Euphonium Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2343 >= C); Corequisite(s): MUSA2305, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2350 - Tuba Secondary (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA1350 >= C)

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2351 - Tuba Concentration (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA1352 >= C); Corequisite(s): MUSA2305, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2352 - Tuba Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2351 >= C) and MUSI1610; Corequisite(s): MUSA2305, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2353 - Tuba Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA1352 >= C); Corequisite(s): MUSA2305, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2354 - Tuba Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2353 >= C) and MUSI1610; Corequisite(s): MUSA2305, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2405 - Percussion Studio Class (0 Credit Hours)

A forum for the discussion of performances, techniques and repertoire in the student's applied performance area. Corequisite: major or concentration applied lessons. *May be repeated for credit.*

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2410 - Percussion Secondary (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA1410 >= C)

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2411 - Percussion Concentration (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA1412 >= C); Corequisite(s): MUSA2405, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2412 - Percussion Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2411 >= C); Corequisite(s): MUSA2405, MUSI1500
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2413 - Percussion Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA1412 >= C); Corequisite(s): MUSA2405, MUSI1500
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2414 - Percussion Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2413 >= C); Corequisite(s): MUSA2405, MUSI1500
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2505 - String Studio Class (0 Credit Hours)

A forum for the discussion of performances, techniques and repertoire in the student's applied performance area. Corequisite: major or concentration applied lessons. *May be repeated for credit.*
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2510 - Violin Secondary (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA1510 >= C)
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2511 - Violin Concentration (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA1512 >= C); Corequisite(s): MUSA2505, MUSI1500
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2512 - Violin Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2511 >= C); Corequisite(s): MUSA2505, MUSI1500
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2513 - Violin Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA1512 >= C); Corequisite(s): MUSA2505, MUSI1500
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2514 - Violin Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2513 >= C); Corequisite(s): MUSA2505, MUSI1500
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2520 - Viola Secondary (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA1520 >= C)
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2521 - Viola Concentration (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA1522 >= C); Corequisite(s): MUSA2505, MUSI1500
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2522 - Viola Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2521 >= C); Corequisite(s): MUSA2505, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2523 - Viola Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA1522 >= C); Corequisite(s): MUSA2505, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2524 - Viola Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2523 >= C); Corequisite(s): MUSA2505, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2530 - Violincello Secondary (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA1530 >= C)

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2531 - Violincello Concentration (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA1532 >= C); Corequisite(s): MUSA2505, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2532 - Violincello Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2531 >= C); Corequisite(s): MUSA2505, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2533 - Violincello Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA1532 >= C); Corequisite(s): MUSA2505, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2534 - Violincello Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2533 >= C); Corequisite(s): MUSA2505, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2540 - Double Bass Secondary (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA1540 >= C)

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2541 - Double Bass Concentration (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA1542 >= C); Corequisite(s): MUSA2505, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2542 - Double Bass Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2541 >= C); Corequisite(s): MUSA2505, MUSI1500
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2543 - Double Bass Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA1542 >= C); Corequisite(s): MUSA2505, MUSI1500
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2544 - Double Bass Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2543 >= C); Corequisite(s): MUSA2505, MUSI1500
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2550 - Guitar Secondary (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA1550 >= C)
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2551 - Guitar Concentration (1 Credit Hour)

Must enroll in one of the following as a co-requisite: MUSI 1610, 1620, 1621, or 1630. *May be repeated for credit.*

Prerequisite(s): (MUSA1552 >= C); Corequisite(s): MUSA2555, MUSI1500
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2552 - Guitar Concentration (2 Credit Hours)

Must enroll in one of the following as a co-requisite: MUSI 1610, 1620, 1621, or 1630. *May be repeated for credit.*

Prerequisite(s): (MUSA2551 >= C); Corequisite(s): MUSA2555, MUSI1500
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2553 - Guitar Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA1552 >= C); Corequisite(s): MUSA2555, MUSI1500
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2554 - Guitar Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2553 >= C); Corequisite(s): MUSA2555, MUSI1500
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2555 - Guitar Studio Class (0 Credit Hours)

May be repeated for credit.

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2605 - Keyboard Studio Class (0 Credit Hours)

A forum for the discussion of performances, techniques and repertoire in the student's applied performance area. Corequisite: major or concentration applied lessons. *May be repeated for credit.*
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2610 - Piano Secondary (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA1610 >= C)
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2611 - Piano Concentration (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA1612 >= C); Corequisite(s): MUSA2605, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2612 - Piano Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2611 >= C); Corequisite(s): MUSA2605, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2613 - Piano Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA1612 >= C); Corequisite(s): MUSA2605, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2614 - Piano Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2613 >= C); Corequisite(s): MUSA2605, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2620 - Organ Secondary (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA1620 >= C)

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2621 - Organ Concentration (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA1622 >= C); Corequisite(s): MUSA2605, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2622 - Organ Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2621 >= C); Corequisite(s): MUSA2605, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2623 - Organ Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA1622 >= C); Corequisite(s): MUSA2605, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2624 - Organ Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2623 >= C); Corequisite(s): MUSA2605, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2713 - Jazz Winds (2 Credit Hours)

Individualized instruction in jazz. One one-hour private lesson per week. Emphasis will be placed upon jazz performance skills and pedagogical concepts. *May be repeated for credit.*

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2714 - Jazz Winds (2 Credit Hours)

Individualized instruction in jazz. One one-hour private lesson per week. Emphasis will be placed upon jazz performance skills and pedagogical concepts. *May be repeated for credit.*

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2723 - Jazz Piano (2 Credit Hours)

Individualized instruction in jazz. One one-hour private lesson per week. Emphasis will be placed upon jazz performance skills and pedagogical concepts. *May be repeated for credit.*

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2724 - Jazz Piano (2 Credit Hours)

Individualized instruction in jazz. One one-hour private lesson per week. Emphasis will be placed upon jazz performance skills and pedagogical concepts. *May be repeated for credit.*

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2733 - Jazz Percussion (2 Credit Hours)

Individualized instruction in jazz. One one-hour private lesson per week. Emphasis will be placed upon jazz performance skills and pedagogical concepts. *May be repeated for credit.*

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2734 - Jazz Percussion (2 Credit Hours)

Individualized instruction in jazz. One one-hour private lesson per week. Emphasis will be placed upon jazz performance skills and pedagogical concepts. *May be repeated for credit.*

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2743 - Jazz Strings (2 Credit Hours)

Individualized instruction in jazz. One one-hour private lesson per week. Emphasis will be placed upon jazz performance skills and pedagogical concepts. *May be repeated for credit.*

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2744 - Jazz Strings (2 Credit Hours)

Individualized instruction in jazz. One one-hour private lesson per week. Emphasis will be placed upon jazz performance skills and pedagogical concepts. *May be repeated for credit.*

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 2810 - Classical Comp Secondary (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA1810 >= C)

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3100 - Voice Secondary (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA2100 >= C)

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3101 - Voice Concentration (2 Credit Hours)

Must be enrolled in the following as a co-requisite: MUSI 3620. *May be repeated for credit.*

Prerequisite(s): (MUSA2102 >= C) and MUSI3620; Corequisite(s): MUSA2105, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3102 - Voice Concentration (2 Credit Hours)

Must be enrolled in the following as a co-requisite: MUSI 3620. *May be repeated for credit.*

Prerequisite(s): (MUSA3101 >= C) and MUSI3620; Corequisite(s): MUSA2105, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3103 - Voice Major (2 Credit Hours)

Must be enrolled in the following as a co-requisite: MUSI 3620 or 3621. *May be repeated for credit.*

Prerequisite(s): (MUSA2104 >= C); Corequisite(s): MUSA2105, MUSI1500
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3104 - Voice Major (2 Credit Hours)

Must be enrolled in the following as a co-requisite: MUSI 3620. *May be repeated for credit.*

Prerequisite(s): (MUSA3103 >= C); Corequisite(s): MUSA2105, MUSI1500
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3105 - Junior Voice Recital (0 Credit Hours)

Individualized instruction in the student's applied performance medium leading to the performance of a half-hour public solo recital. Prerequisite(s): Permission of the student's applied lesson instructor.

Corequisite(s): MUSA3102, MUSA3104

MUSA 3210 - Flute Secondary (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA2210 >= C)
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3211 - Flute Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2212 >= C); Corequisite(s): MUSA2205, MUSI1500
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3212 - Flute Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA3211 >= C); Corequisite(s): MUSA2205, MUSI1500
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3213 - Flute Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2214 >= C); Corequisite(s): MUSA2205, MUSI1500
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3214 - Flute Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA3213 >= C); Corequisite(s): MUSA2205, MUSI1500
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3215 - Flute Junior Recital (0 Credit Hours)

Individualized instruction in the student's applied performance medium leading to the performance of a half-hour public solo recital. Prerequisite(s): Permission of the student's applied lesson instructor.

Corequisite(s): MUSA3212, MUSA3214

MUSA 3220 - Oboe Secondary (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA2220 >= C)
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3221 - Oboe Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2222 >= C); Corequisite(s): MUSA2205, MUSI1500
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3222 - Oboe Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA3221 >= C); Corequisite(s): MUSA2205, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3223 - Oboe Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2224 >= C); Corequisite(s): MUSA2205, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3224 - Oboe Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA3223 >= C); Corequisite(s): MUSA2205, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3225 - Junior Oboe Recital (0 Credit Hours)

Individualized instruction in the student's applied performance medium leading to the performance of a half-hour public solo recital. Prerequisite(s): Permission of the student's applied lesson instructor.

Corequisite(s): MUSA3222, MUSA3224

MUSA 3230 - Clarinet Secondary (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA2230 >= C)

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3231 - Clarinet Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2232 >= C); Corequisite(s): MUSA2205, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3232 - Clarinet Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA3231 >= C); Corequisite(s): MUSA2205, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3233 - Clarinet Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2234 >= C); Corequisite(s): MUSA2205, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3234 - Clarinet Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA3233 >= C); Corequisite(s): MUSA2205, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3235 - Junior Clarinet Recital (0 Credit Hours)

Individualized instruction in the student's applied performance medium leading to the performance of a half-hour public solo recital. Prerequisite(s): Permission of the student's applied lesson instructor.

Corequisite(s): MUSA3232, MUSA3234

MUSA 3240 - Bassoon Secondary (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA2240 >= C)

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3241 - Bassoon Concentration (2 Credit Hours)*May be repeated for credit.*

Prerequisite(s): (MUSA2242 >= C); Corequisite(s): MUSA2205, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3242 - Bassoon Concentration (2 Credit Hours)*May be repeated for credit.*

Prerequisite(s): (MUSA3241 >= C); Corequisite(s): MUSA2205, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3243 - Bassoon Major (2 Credit Hours)*May be repeated for credit.*

Prerequisite(s): (MUSA2244 >= C); Corequisite(s): MUSA2205, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3244 - Bassoon Major (2 Credit Hours)*May be repeated for credit.*

Prerequisite(s): (MUSA3243 >= C); Corequisite(s): MUSA2205, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3245 - Junior Bassoon Recital (0 Credit Hours)

Individualized instruction in the student's applied performance medium leading to the performance of a half-hour public solo recital. Prerequisite(s): Permission of the student's applied lesson instructor.

Corequisite(s): MUSA3242, MUSA3244

MUSA 3250 - Saxophone Secondary (1 Credit Hour)*May be repeated for credit.*

Prerequisite(s): (MUSA2250 >= C)

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3251 - Saxophone Concentration (2 Credit Hours)*May be repeated for credit.*

Prerequisite(s): (MUSA2252 >= C); Corequisite(s): MUSA2205, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3252 - Saxophone Concentration (2 Credit Hours)*May be repeated for credit.*

Prerequisite(s): (MUSA3251 >= C); Corequisite(s): MUSA2205, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3253 - Saxophone Major (2 Credit Hours)*May be repeated for credit.*

Prerequisite(s): (MUSA2254 >= C); Corequisite(s): MUSA2205, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3254 - Saxophone Major (2 Credit Hours)*May be repeated for credit.*

Prerequisite(s): (MUSA3253 >= C); Corequisite(s): MUSA2205, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3255 - Junior Saxophone Recital (0 Credit Hours)

Individualized instruction in the student's applied performance medium leading to the performance of a half-hour public solo recital. Prerequisite(s): Permission of the student's applied lesson instructor.

Corequisite: MUSA 3XX2 or 3XX4.

MUSA 3310 - Trumpet Secondary (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA2310 >= C)

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3311 - Trumpet Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2312 >= C); Corequisite(s): MUSA2305, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3312 - Trumpet Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA3311 >= C); Corequisite(s): MUSA2305, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3313 - Trumpet Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2314 >= C); Corequisite(s): MUSA2305, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3314 - Trumpet Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA3313 >= C); Corequisite(s): MUSA2305, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3315 - Junior Trumpet Recital (0 Credit Hours)

Individualized instruction in the student's applied performance medium leading to the performance of a half-hour public solo recital. Prerequisite(s): Permission of the student's applied lesson instructor.

Corequisite(s): MUSA3312, MUSA3314

MUSA 3320 - Horn Secondary (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA2320 >= C)

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3321 - Horn Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2322 >= C); Corequisite(s): MUSA2305, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3322 - Horn Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA3321 >= C); Corequisite(s): MUSA2305, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3323 - Horn Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2324 >= C); Corequisite(s): MUSA2305, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3324 - Horn Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA3323 >= C); Corequisite(s): MUSA2305, MUSI1500
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3325 - Junior Horn Recital (0 Credit Hours)

Individualized instruction in the student's applied performance medium leading to the performance of a half-hour public solo recital. Prerequisite(s): Permission of the student's applied lesson instructor.

MUSA 3330 - Trombone Secondary (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA2330 >= C)

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3331 - Trombone Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2332 >= C); Corequisite(s): MUSA2305, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3332 - Trombone Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA3331 >= C); Corequisite(s): MUSA2305, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3333 - Trombone Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2334 >= C); Corequisite(s): MUSA2305, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3334 - Trombone Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA3333 >= C); Corequisite(s): MUSA2305, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3335 - Junior Trombone Recital (0 Credit Hours)

Individualized instruction in the student's applied performance medium leading to the performance of a half-hour public solo recital. Prerequisite(s): Permission of the student's applied lesson instructor.

Corequisite: MUSA 3XX2 or 3XX4.

MUSA 3340 - Euphonium Secondary (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA2340 >= C)

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3341 - Euphonium Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2342 >= C); Corequisite(s): MUSA2305, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3342 - Euphonium Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA3341 >= C); Corequisite(s): MUSA2305, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3343 - Euphonium Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2344 >= C); Corequisite(s): MUSA2305, MUSI1500
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3344 - Euphonium Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA3343 >= C); Corequisite(s): MUSA2305, MUSI1500
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3345 - Euphonium Junior Recital (0 Credit Hours)

Individualized instruction in the student's applied performance medium leading to the performance of a half-hour public solo recital. Prerequisite(s): Permission of the student's applied lesson instructor.

Corequisite: MUSA 3XX2 or 3XX4.

MUSA 3350 - Tuba Secondary (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA2350 >= C)
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3351 - Tuba Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2352 >= C); Corequisite(s): MUSA2305, MUSI1500
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3352 - Tuba Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA3351 >= C); Corequisite(s): MUSA2305, MUSI1500
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3353 - Tuba Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2354 >= C)
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3354 - Tuba Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA3353 >= C); Corequisite(s): MUSA2305, MUSI1500
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3355 - Junior Tuba Recital (0 Credit Hours)

Individualized instruction in the student's applied performance medium leading to the performance of a half-hour public solo recital. Prerequisite(s): Permission of the student's applied lesson instructor.

Corequisite: MUSA 3XX2 or 3XX4.

MUSA 3410 - Percussion Secondary (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA2410 >= C)
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3411 - Percussion Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2412 >= C); Corequisite(s): MUSA2405, MUSI1500
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3412 - Percussion Concentration (2 Credit Hours)*May be repeated for credit.*

Prerequisite(s): (MUSA3411 >= C); Corequisite(s): MUSA2405, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3413 - Percussion Major (2 Credit Hours)*May be repeated for credit.*

Prerequisite(s): (MUSA2414 >= C); Corequisite(s): MUSA2405, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3414 - Percussion Major (2 Credit Hours)*May be repeated for credit.*

Prerequisite(s): (MUSA3413 >= C); Corequisite(s): MUSA2405, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3415 - Junior Percussion Recital (0 Credit Hours)

Individualized instruction in the student's applied performance medium leading to the performance of a half-hour public solo recital. Prerequisite(s): Permission of the student's applied lesson instructor.

Corequisite(s): MUSA3412, MUSA3414

MUSA 3510 - Violin Secondary (1 Credit Hour)*May be repeated for credit.*

Prerequisite(s): (MUSA2510 >= C)

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3511 - Violin Concentration (2 Credit Hours)*May be repeated for credit.*

Prerequisite(s): (MUSA2512 >= C); Corequisite(s): MUSA2505, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3512 - Violin Concentration (2 Credit Hours)*May be repeated for credit.*

Prerequisite(s): (MUSA3511 >= C); Corequisite(s): MUSA2505, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3513 - Violin Major (2 Credit Hours)*May be repeated for credit.*

Prerequisite(s): (MUSA2514 >= C); Corequisite(s): MUSA2505, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3514 - Violin Major (2 Credit Hours)*May be repeated for credit.*

Prerequisite(s): (MUSA3513 >= C); Corequisite(s): MUSA2505, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3515 - Junior Violin Recital (0 Credit Hours)

Individualized instruction in the student's applied performance medium leading to the performance of a half-hour public solo recital. Prerequisite(s): Permission of the student's applied lesson instructor.

Corequisite(s): MUSA3512, MUSA3514

MUSA 3520 - Viola Secondary (1 Credit Hour)*May be repeated for credit.*

Prerequisite(s): (MUSA2520 >= C)

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3521 - Viola Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2522 >= C); Corequisite(s): MUSA2505, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3522 - Viola Concentration (2 Credit Hours)

May be repeated for credit.

Corequisite(s): MUSA2505, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3523 - Viola Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2524 >= C); Corequisite(s): MUSA2505, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3524 - Viola Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA3523 >= C); Corequisite(s): MUSA2505, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3525 - Junior Viola Recital (0 Credit Hours)

Individualized instruction in the student's applied performance medium leading to the performance of a half-hour public solo recital. Prerequisite(s): Permission of the student's applied lesson instructor.

Corequisite: MUSA 3XX2 or 3XX4.

Corequisite(s): MUSA3522, MUSA3524

MUSA 3530 - Violincello Secondary (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA2530 >= C)

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3531 - Violincello Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2532 >= C); Corequisite(s): MUSA2505, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3532 - Violincello Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA3531 >= C); Corequisite(s): MUSA2505, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3533 - Violincello Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2534 >= C); Corequisite(s): MUSA2505, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3534 - Violincello Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA3533 >= C); Corequisite(s): MUSA2505, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3535 - Junior Violincello Recital (0 Credit Hours)

Individualized instruction in the student's applied performance medium leading to the performance of a

half-hour public solo recital. Prerequisite(s): Permission of the student's applied lesson instructor.
Corequisite(s): MUSA3532, MUSA3534

MUSA 3540 - Double Bass Secondary (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA2540 >= C)

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3541 - Double Bass Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2542 >= C); Corequisite(s): MUSA2505, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3542 - Double Bass Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA3541 >= C); Corequisite(s): MUSA2505, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3543 - Double Bass Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2544 >= C); Corequisite(s): MUSA2505, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3544 - Double Bass Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA3543 >= C); Corequisite(s): MUSA2505, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3545 - Junior Double Bass Recital (0 Credit Hours)

Individualized instruction in the student's applied performance medium leading to the performance of a half-hour public solo recital. Prerequisite(s): Permission of the student's applied lesson instructor.

Corequisite(s): MUSA3542, MUSA3544

MUSA 3550 - Guitar Secondary (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA2550 >= C)

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3551 - Guitar Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2552 >= C); Corequisite(s): MUSA2555, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3552 - Guitar Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA3551 >= C); Corequisite(s): MUSA2555, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3553 - Guitar Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2554 >= C); Corequisite(s): MUSA2555, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3554 - Guitar Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA3553 >= C); Corequisite(s): MUSA2555, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3555 - Junior Guitar Recital (0 Credit Hours)

Individualized instruction in the student's applied performance medium leading to the performance of a half-hour public solo recital. Prerequisite(s): Permission of the student's applied lesson instructor.

Corequisite(s): MUSA3552, MUSA3554

MUSA 3610 - Piano Secondary (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA2610 >= C)

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3611 - Piano Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2612 >= C) and MUSI3610 or MUSI3620 or MUSI3621 or MUSI3630;

Corequisite(s): MUSA2605, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3612 - Piano Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA3611 >= C); Corequisite(s): MUSA2605, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3613 - Piano Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2614 >= C); Corequisite(s): MUSA2605, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3614 - Piano Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA3613 >= C); Corequisite(s): MUSA2605, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3615 - Junior Piano Recital (0 Credit Hours)**MUSA 3620 - Organ Secondary (1 Credit Hour)**

May be repeated for credit.

Prerequisite(s): (MUSA2620 >= C)

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3621 - Organ Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2622 >= C); Corequisite(s): MUSA2605, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3622 - Organ Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA3621 >= C); Corequisite(s): MUSA2605, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3623 - Organ Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA2624 >= C); Corequisite(s): MUSA2605, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3624 - Organ Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA3623 >= C); Corequisite(s): MUSA2605, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3625 - Junior Organ Recital (0 Credit Hours)

Individualized instruction in the student's applied performance medium leading to the performance of a half-hour public solo recital. Prerequisite(s):

Permission of the student's applied lesson instructor.

Corequisite(s): MUSA3622, MUSA3624

MUSA 3713 - Jazz Winds (2 Credit Hours)

Individualized instruction in jazz. One one-hour private lesson per week. Emphasis will be placed upon jazz performance skills and pedagogical concepts. *May be repeated for credit.*

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3714 - Jazz Winds (2 Credit Hours)

Individualized instruction in jazz. One one-hour private lesson per week. Emphasis will be placed upon jazz performance skills and pedagogical concepts. *May be repeated for credit.*

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3715 - Jazz Winds Junior Recital (0 Credit Hours)

Individualized instruction in jazz leading to the performance of a half-hour public jazz recital. *May be repeated for credit.*

MUSA 3723 - Jazz Piano (2 Credit Hours)

Individualized instruction in jazz. One one-hour private lesson per week. Emphasis will be placed upon jazz performance skills and pedagogical concepts. *May be repeated for credit.*

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3724 - Jazz Piano (2 Credit Hours)

Individualized instruction in jazz. One one-hour private lesson per week. Emphasis will be placed upon jazz performance skills and pedagogical concepts. *May be repeated for credit.*

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3725 - Jazz Piano Junior Recital (0 Credit Hours)

Individualized instruction in jazz leading to the performance of a half-hour public jazz recital. *May be repeated for credit.*

MUSA 3733 - Jazz Percussion (2 Credit Hours)

Individualized instruction in jazz. One one-hour private lesson per week. Emphasis will be placed upon jazz performance skills and pedagogical concepts. *May be repeated for credit.*

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3734 - Jazz Percussion (2 Credit Hours)

Individualized instruction in jazz. One one-hour private lesson per week. Emphasis will be placed upon jazz performance skills and pedagogical concepts. *May be repeated for credit.*

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3735 - Jazz Percussion Junior Recital (0 Credit Hours)

Individualized instruction in jazz leading to the performance of a half-hour public jazz recital. *May be repeated for credit.*

MUSA 3743 - Jazz Strings (2 Credit Hours)

Individualized instruction in jazz. One one-hour private lesson per week. Emphasis will be placed upon jazz performance skills and pedagogical concepts. *May be repeated for credit.*

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3744 - Jazz Strings (2 Credit Hours)

Individualized instruction in jazz. One one-hour private lesson per week. Emphasis will be placed upon jazz performance skills and pedagogical concepts. *May be repeated for credit.*

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 3745 - Jazz Strings Junior Recital (0 Credit Hours)

Individualized instruction in jazz leading to the performance of a half-hour public jazz recital. *May be repeated for credit.*

MUSA 3810 - Classical Composition Secondary (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA2810 >= C)

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4100 - Voice Secondary (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA3100 >= C)

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4101 - Voice Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA3102 >= C); Corequisite(s): MUSA2105, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4102 - Voice Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA4101 >= C); Corequisite(s): MUSA2105, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4103 - Voice Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA3104 >= C); Corequisite(s): MUSA2105, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4104 - Voice Major (2 Credit Hours)

Must enroll in either MUSI 3620 or 3621 as a co-requisite. *May be repeated for credit.*

Prerequisite(s): (MUSA4103 >= C); Corequisite(s): MUSA2105, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4105 - Senior Voice Recital (1 Credit Hour)

Individualized instruction in the student's major performance medium leading to the performance of a one-hour public solo recital with program notes researched and written by the student. Prerequisite(s):

Permission of the student's applied lesson instructor; Completion of the Piano Proficiency and the Computer Applications in Music Proficiency.

Corequisite(s): MUSA4102, MUSA4104

MUSA 4210 - Flute Secondary (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA3210 >= C)

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4211 - Flute Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA3212 >= C); Corequisite(s): MUSA2205, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4212 - Flute Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA4211 >= C); Corequisite(s): MUSA2205, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4213 - Flute Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA3214 >= C); Corequisite(s): MUSA2205, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4214 - Flute Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA4213 >= C); Corequisite(s): MUSA2205, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4215 - Senior Flute Recital (1 Credit Hour)

Individualized instruction in the student's major performance medium leading to the performance of a one-hour public solo recital with program notes researched and written by the student. Prerequisite(s): Permission of the student's applied lesson instructor; Completion of the Piano Proficiency and the Computer Applications in Music Proficiency.

Corequisite(s): MUSA4212, MUSA4214

MUSA 4220 - Oboe Secondary (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA3220 >= C)

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4221 - Oboe Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA3222 >= C); Corequisite(s): MUSA2205, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4222 - Oboe Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA4221 >= C); Corequisite(s): MUSA2205, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4223 - Oboe Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA3224 >= C); Corequisite(s): MUSA2205, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4224 - Oboe Major (2 Credit Hours)*May be repeated for credit.*

Prerequisite(s): (MUSA4223 >= C); Corequisite(s): MUSA2205, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4225 - Senior Oboe Recital (1 Credit Hour)

Individualized instruction in the student's major performance medium leading to the performance of a one-hour public solo recital with program notes researched and written by the student. Prerequisite(s): Permission of the student's applied lesson instructor; Completion of the Piano Proficiency and the Computer Applications in Music Proficiency.

Corequisite(s): MUSA4222, MUSA4224

MUSA 4230 - Clarinet Secondary (1 Credit Hour)*May be repeated for credit.*

Prerequisite(s): (MUSA3230 >= C)

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4231 - Clarinet Concentration (2 Credit Hours)*May be repeated for credit.*

Prerequisite(s): (MUSA3232 >= C); Corequisite(s): MUSA2205, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4232 - Clarinet Concentration (2 Credit Hours)*May be repeated for credit.*

Prerequisite(s): (MUSA4231 >= C); Corequisite(s): MUSA2205, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4233 - Clarinet Major (2 Credit Hours)*May be repeated for credit.*

Prerequisite(s): (MUSA3234 >= C); Corequisite(s): MUSA2205, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4234 - Clarinet Major (2 Credit Hours)*May be repeated for credit.*

Prerequisite(s): (MUSA4233 >= C); Corequisite(s): MUSA2205, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4235 - Senior Clarinet Recital (1 Credit Hour)

Individualized instruction in the student's major performance medium leading to the performance of a one-hour public solo recital with program notes researched and written by the student. Prerequisite(s): Permission of the student's applied lesson instructor; Completion of the Piano Proficiency and the Computer Applications in Music Proficiency.

Corequisite(s): MUSA4232, MUSA4234

MUSA 4240 - Bassoon Secondary (1 Credit Hour)*May be repeated for credit.*

Prerequisite(s): (MUSA3240 >= C)

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4241 - Bassoon Concentration (2 Credit Hours)*May be repeated for credit.*

Prerequisite(s): (MUSA3242 >= C); Corequisite(s): MUSA2205, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4242 - Bassoon Concentration (2 Credit Hours)*May be repeated for credit.*

Prerequisite(s): (MUSA4241 >= C); Corequisite(s): MUSA2205, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4243 - Bassoon Major (2 Credit Hours)*May be repeated for credit.*

Prerequisite(s): (MUSA3244 >= C); Corequisite(s): MUSA2205, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4244 - Bassoon Major (2 Credit Hours)*May be repeated for credit.*

Prerequisite(s): (MUSA4243 >= C); Corequisite(s): MUSA2205, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4245 - Senior Bassoon Recital (1 Credit Hour)

Individualized instruction in the student's major performance medium leading to the performance of a one-hour public solo recital with program notes researched and written by the student. Prerequisite(s): Permission of the student's applied lesson instructor; Completion of the Piano Proficiency and the Computer Applications in Music Proficiency.

Corequisite(s): MUSA4242, MUSA4244

MUSA 4250 - Saxophone Secondary (1 Credit Hour)*May be repeated for credit.*

Prerequisite(s): (MUSA3250 >= C)

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4251 - Saxophone Concentration (2 Credit Hours)*May be repeated for credit.*

Prerequisite(s): (MUSA3252 >= C); Corequisite(s): MUSA2205, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4252 - Saxophone Concentration (2 Credit Hours)*May be repeated for credit.*

Prerequisite(s): (MUSA4251 >= C); Corequisite(s): MUSA2205, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4253 - Saxophone Major (2 Credit Hours)*May be repeated for credit.*

Prerequisite(s): (MUSA3254 >= C); Corequisite(s): MUSA2205, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4254 - Saxophone Major (2 Credit Hours)*May be repeated for credit.*

Prerequisite(s): (MUSA4253 >= C); Corequisite(s): MUSA2205, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4255 - Senior Saxophone Recital (1 Credit Hour)

Individualized instruction in the student's major performance medium leading to the performance of a one-hour public solo recital with program notes researched and written by the student. Prerequisite(s): Permission of the student's applied lesson instructor; Completion of the Piano Proficiency and the Computer Applications in Music Proficiency.

Corequisite(s): MUSA4252, MUSA4254

MUSA 4310 - Trumpet Secondary (1 Credit Hour)*May be repeated for credit.*

Prerequisite(s): (MUSA3310 >= C)

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4311 - Trumpet Concentration (2 Credit Hours)*May be repeated for credit.*

Prerequisite(s): (MUSA3312 >= C); Corequisite(s): MUSA2305, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4312 - Trumpet Concentration (2 Credit Hours)*May be repeated for credit.*

Prerequisite(s): (MUSA4311 >= C); Corequisite(s): MUSA2305, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4313 - Trumpet Major (2 Credit Hours)*May be repeated for credit.*

Prerequisite(s): (MUSA3314 >= C); Corequisite(s): MUSA2305, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4314 - Trumpet Major (2 Credit Hours)*May be repeated for credit.*

Prerequisite(s): (MUSA4313 >= C); Corequisite(s): MUSA2305, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4315 - Senior Trumpet Recital (1 Credit Hour)

Individualized instruction in the student's major performance medium leading to the performance of a one-hour public solo recital with program notes researched and written by the student. Prerequisite(s): Permission of the student's applied lesson instructor; Completion of the Piano Proficiency and the Computer Applications in Music Proficiency.

Corequisite(s): MUS4314, MUSA4312

MUSA 4320 - Horn Secondary (1 Credit Hour)*May be repeated for credit.*

Prerequisite(s): (MUSA3320 >= C)

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4321 - Horn Concentration (2 Credit Hours)*May be repeated for credit.*

Prerequisite(s): (MUSA3322 >= C); Corequisite(s): MUSA2305, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4322 - Horn Concentration (2 Credit Hours)*May be repeated for credit.*

Prerequisite(s): (MUSA4321 >= C); Corequisite(s): MUSA2305, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4323 - Horn Major (2 Credit Hours)*May be repeated for credit.*

Prerequisite(s): (MUSA3324 >= C); Corequisite(s): MUSA2305, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4324 - Horn Major (2 Credit Hours)*May be repeated for credit.*

Prerequisite(s): (MUSA4323 >= C); Corequisite(s): MUSA2305, MUSI1500
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4325 - Senior Horn Recital (1 Credit Hour)

Individualized instruction in the student's major performance medium leading to the performance of a one-hour public solo recital with program notes researched and written by the student. Prerequisite(s): Permission of the student's applied lesson instructor; Completion of the Piano Proficiency and the Computer Applications in Music Proficiency.
 Corequisite(s): MUSA4322, MUSA4324

MUSA 4330 - Trombone Secondary (1 Credit Hour)

May be repeated for credit.
 Prerequisite(s): (MUSA3330 >= C)
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4331 - Trombone Concentration (2 Credit Hours)

May be repeated for credit.
 Prerequisite(s): (MUSA3332 >= C); Corequisite(s): MUSA2305, MUSI1500
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4332 - Trombone Concentration (2 Credit Hours)

May be repeated for credit.
 Prerequisite(s): (MUSA4331 >= C); Corequisite(s): MUSA2305, MUSI1500
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4333 - Trombone Major (2 Credit Hours)

May be repeated for credit.
 Prerequisite(s): (MUSA3334 >= C); Corequisite(s): MUSA2305, MUSI1500
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4334 - Trombone Major (2 Credit Hours)

May be repeated for credit.
 Prerequisite(s): (MUSA4333 >= C); Corequisite(s): MUSA2305, MUSI1500
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4335 - Senior Trombone Recital (1 Credit Hour)

Individualized instruction in the student's major performance medium leading to the performance of a one-hour public solo recital with program notes researched and written by the student. Prerequisite(s): Permission of the student's applied lesson instructor; Completion of the Piano Proficiency and the Computer Applications in Music Proficiency.
 Corequisite(s): MUSA4332, MUSA4334

MUSA 4340 - Euphonium Secondary (1 Credit Hour)

May be repeated for credit.
 Prerequisite(s): (MUSA3340 >= C)
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4341 - Euphonium Concentration (2 Credit Hours)

May be repeated for credit.
 Prerequisite(s): (MUSA3342 >= C); Corequisite(s): MUSA2305, MUSI1500
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4342 - Euphonium Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA4341 >= C); Corequisite(s): MUSA2305, MUSI1500
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4343 - Euphonium Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA3344 >= C); Corequisite(s): MUSA2305, MUSI1500
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4344 - Euphonium Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA4343 >= C); Corequisite(s): MUSA2305, MUSI1500
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4345 - Senior Euphonium Recital (1 Credit Hour)

Individualized instruction in the student's major performance medium leading to the performance of a one-hour public solo recital with program notes researched and written by the student. Prerequisite(s): Permission of the student's applied lesson instructor; Completion of the Piano Proficiency and the Computer Applications in Music Proficiency.
 Corequisite(s): MUSA4342, MUSA4344

MUSA 4350 - Tuba Secondary (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA3350 >= C)
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4351 - Tuba Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA3352 >= C); Corequisite(s): MUSA2305, MUSI1500
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4352 - Tuba Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA4351 >= C); Corequisite(s): MUSA2305, MUSI1500
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4353 - Tuba Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA3354 >= C); Corequisite(s): MUSA2305, MUSI1500
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4354 - Tuba Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA4353 >= C); Corequisite(s): MUSA2305, MUSI1500
 Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4355 - Senior Tuba Recital (1 Credit Hour)

Individualized instruction in the student's major performance medium leading to the performance of a one-hour public solo recital with program notes researched and written by the student. Prerequisite(s): Permission of the student's applied lesson instructor; Completion of the Piano Proficiency and the Computer Applications in Music Proficiency.
 Corequisite(s): MUSA4352, MUSA4354

MUSA 4410 - Percussion Secondary (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA3410 >= C)

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4411 - Percussion Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA3412 >= C); Corequisite(s): MUSA2405, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4412 - Percussion Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA4411 >= C); Corequisite(s): MUSA2405, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4413 - Percussion Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA3414 >= C); Corequisite(s): MUSA2405, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4414 - Percussion Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA4413 >= C); Corequisite(s): MUSA2405, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4415 - Senior Percussion Recital (1 Credit Hour)

MUSA 4510 - Violin Secondary (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA3510 >= C)

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4511 - Violin Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA3512 >= C); Corequisite(s): MUSA2505, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4512 - Violin Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA4511 >= C); Corequisite(s): MUSA2505, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4513 - Violin Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA3514 >= C); Corequisite(s): MUSA2505, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4514 - Violin Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA4513 >= C); Corequisite(s): MUSA2505, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4515 - Senior Violin Recital (1 Credit Hour)

Individualized instruction in the student's major performance medium leading to the performance of a one-hour public solo recital with program notes researched and written by the student. Prerequisite(s): Permission of the student's applied lesson instructor; Completion of the Piano Proficiency and the

Computer Applications in Music Proficiency.

Corequisite(s): MUSA4512, MUSA4514

MUSA 4520 - Viola Secondary (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA3520 >= C)

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4521 - Viola Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA3522 >= C); Corequisite(s): MUSA2505, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4522 - Viola Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA4521 >= C); Corequisite(s): MUSA2505, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4523 - Viola Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA3524 >= C); Corequisite(s): MUSA2505, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4524 - Viola Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA4523 >= C); Corequisite(s): MUSA2505, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4525 - Senior Viola Recital (1 Credit Hour)

Individualized instruction in the student's major performance medium leading to the performance of a one-hour public solo recital with program notes researched and written by the student. Prerequisite(s):

Permission of the student's applied lesson instructor; Completion of the Piano Proficiency and the

Computer Applications in Music Proficiency.

Corequisite(s): MUSA4522, MUSA4524

MUSA 4530 - Violincello Secondary (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA3530 >= C)

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4531 - Violincello Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA3532 >= C); Corequisite(s): MUSA2505, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4532 - Violincello Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA4531 >= C); Corequisite(s): MUSA2505, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4533 - Violincello Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA3534 >= C); Corequisite(s): MUSA2505, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4534 - Violincello Major (2 Credit Hours)*May be repeated for credit.*

Prerequisite(s): (MUSA4533 >= C); Corequisite(s): MUSA2505, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4535 - Senior Violincello Recital (1 Credit Hour)

Individualized instruction in the student's major performance medium leading to the performance of a one-hour public solo recital with program notes researched and written by the student. Prerequisite(s): Permission of the student's applied lesson instructor; Completion of the Piano Proficiency and the Computer Applications in Music Proficiency.

Corequisite(s): MUSA4532, MUSA4534

MUSA 4540 - Double Bass Secondary (1 Credit Hour)*May be repeated for credit.*

Prerequisite(s): (MUSA3540 >= C)

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4541 - Double Bass Concentration (2 Credit Hours)*May be repeated for credit.*

Prerequisite(s): (MUSA3542 >= C); Corequisite(s): MUSA2505, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4542 - Double Bass Concentration (2 Credit Hours)*May be repeated for credit.*

Prerequisite(s): (MUSA4541 >= C); Corequisite(s): MUSA2505, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4543 - Double Bass Major (2 Credit Hours)*May be repeated for credit.*

Prerequisite(s): (MUSA3544 >= C); Corequisite(s): MUSA2505, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4544 - Double Bass Major (2 Credit Hours)*May be repeated for credit.*

Prerequisite(s): (MUSA4543 >= C); Corequisite(s): MUSA2505, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4545 - Senior Double Bass Recital (1 Credit Hour)

Individualized instruction in the student's major performance medium leading to the performance of a one-hour public solo recital with program notes researched and written by the student. Prerequisite(s): Permission of the student's applied lesson instructor; Completion of the Piano Proficiency and the Computer Applications in Music Proficiency.

Corequisite(s): MUSA4542, MUSA4544

MUSA 4550 - Guitar Secondary (1 Credit Hour)*May be repeated for credit.*

Prerequisite(s): (MUSA3550 >= C)

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4551 - Guitar Concentration (2 Credit Hours)*May be repeated for credit.*

Prerequisite(s): (MUSA3552 >= C); Corequisite(s): MUSA2555, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4552 - Guitar Concentration (2 Credit Hours)*May be repeated for credit.*

Prerequisite(s): (MUSA4551 >= C); Corequisite(s): MUSA2555, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4553 - Guitar Major (2 Credit Hours)*May be repeated for credit.*

Prerequisite(s): (MUSA3554 >= C); Corequisite(s): MUSA2555, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4554 - Guitar Major (2 Credit Hours)*May be repeated for credit.*

Prerequisite(s): (MUSA4553 >= C); Corequisite(s): MUSA2555, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4555 - Senior Guitar Recital (1 Credit Hour)

Individualized instruction in the student's major performance medium leading to the performance of a one-hour public solo recital with program notes researched and written by the student. Prerequisite(s): Permission of the student's applied lesson instructor; Completion of the Piano Proficiency and the Computer Applications in Music Proficiency.

Corequisite(s): MUSA4552, MUSA4554

MUSA 4610 - Piano Secondary (1 Credit Hour)*May be repeated for credit.*

Prerequisite(s): (MUSA3610 >= C)

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4611 - Piano Concentration (2 Credit Hours)

Must enroll in one of the following as a co-requisite: MUSI 3610, 3620, 3621, or 3630. *May be repeated for credit.*

Prerequisite(s): (MUSA3612 >= C); Corequisite(s): MUSA2605, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4612 - Piano Concentration (2 Credit Hours)*May be repeated for credit.*

Prerequisite(s): (MUSA4611 >= C); Corequisite(s): MUSA2605, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4613 - Piano Major (2 Credit Hours)

Must be enrolled in one of the following as a co-requisite: MUSI 3610, 3620, 3621 or 3630. *May be repeated for credit.*

Prerequisite(s): (MUSA3614 >= C); Corequisite(s): MUSA2605, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4614 - Piano Major (2 Credit Hours)

Must be enrolled in one of the following as a co-requisite: MUSI 3610, 3620, 3621 or 3630. *May be repeated for credit.*

Prerequisite(s): (MUSA4613 >= C); Corequisite(s): MUSA2605, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4615 - Senior Piano Recital (1 Credit Hour)

Individualized instruction in the student's major performance medium leading to the performance of a one-hour public solo recital with program notes researched and written by the student. Prerequisite(s):

Permission of the student's applied lesson instructor; Completion of the Piano Proficiency and the Computer Applications in Music Proficiency.
Corequisite(s): MUSA4612, MUSA4614

MUSA 4620 - Organ Secondary (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA3620 >= C)

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4621 - Organ Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA3622 >= C); Corequisite(s): MUSA2605, MUSI1500

MUSA 4622 - Organ Concentration (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA4621 >= C); Corequisite(s): MUSA2605, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4623 - Organ Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA3624 >= C); Corequisite(s): MUSA2605, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4624 - Organ Major (2 Credit Hours)

May be repeated for credit.

Prerequisite(s): (MUSA4623 >= C); Corequisite(s): MUSA2605, MUSI1500

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4625 - Senior Organ Recital (1 Credit Hour)

Individualized instruction in the student's major performance medium leading to the performance of a one-hour public solo recital with program notes researched and written by the student. Prerequisite(s): Permission of the student's applied lesson instructor; Completion of the Piano Proficiency and the Computer Applications in Music Proficiency.

Corequisite(s): MUSA4622, MUSA4624

MUSA 4713 - Jazz Winds (2 Credit Hours)

Individualized instruction in jazz. One one-hour private lesson per week. Emphasis will be placed upon jazz performance skills and pedagogical concepts. *May be repeated for credit.*

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4714 - Jazz Winds (2 Credit Hours)

Individualized instruction in jazz. One one-hour private lesson per week. Emphasis will be placed upon jazz performance skills and pedagogical concepts. *May be repeated for credit.*

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4715 - Jazz Winds Senior Recital (0 Credit Hours)

Individualized instruction in jazz leading to the performance of a one-hour public jazz recital with program notes researched and written by the student. *May be repeated for credit.*

MUSA 4723 - Jazz Piano (2 Credit Hours)

Individualized instruction in jazz. One one-hour private lesson per week. Emphasis will be placed upon jazz performance skills and pedagogical concepts. *May be repeated for credit.*

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4724 - Jazz Piano (2 Credit Hours)

Individualized instruction in jazz. One one-hour private lesson per week. Emphasis will be placed upon jazz performance skills and pedagogical concepts. *May be repeated for credit.*

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4725 - Jazz Piano Senior Recital (0 Credit Hours)

Individualized instruction in jazz leading to the performance of a one-hour public jazz recital with program notes researched and written by the student. *May be repeated for credit.*

MUSA 4733 - Jazz Percussion (2 Credit Hours)

Individualized instruction in jazz. One one-hour private lesson per week. Emphasis will be placed upon jazz performance skills and pedagogical concepts. *May be repeated for credit.*

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4734 - Jazz Percussion (2 Credit Hours)

Individualized instruction in jazz. One one-hour private lesson per week. Emphasis will be placed upon jazz performance skills and pedagogical concepts. *May be repeated for credit.*

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4735 - Jazz Percussion Senior Recital (0 Credit Hours)

Individualized instruction in jazz leading to the performance of a one-hour public jazz recital with program notes researched and written by the student. *May be repeated for credit.*

MUSA 4743 - Jazz Strings (2 Credit Hours)

Individualized instruction in jazz. One one-hour private lesson per week. Emphasis will be placed upon jazz performance skills and pedagogical concepts. *May be repeated for credit.*

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4744 - Jazz Strings (2 Credit Hours)

Individualized instruction in jazz. One one-hour private lesson per week. Emphasis will be placed upon jazz performance skills and pedagogical concepts. *May be repeated for credit.*

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSA 4745 - Jazz Strings Senior Recital (0 Credit Hours)

Individualized instruction in jazz leading to the performance of a one-hour public jazz recital with program notes researched and written by the student. *May be repeated for credit.*

MUSA 4810 - Classical Composition Secondary (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): (MUSA3810 >= C)

Additional Course Fee: Applied Music Fee - \$50 Per Credit Hour

MUSIC - INSTRUCTION (MUSI)**MUSI 1000 - Augusta University Pep Band (0 to 1 Credit Hour)**

The AU Pep Band performs at all home basketball games and at the Peachbelt Conference Tournament. Music performed will be selected from a wide variety of sources, including popular and jazz idioms.

Everyone is welcome to participate. No audition required. *May be repeated for credit.*

MUSI 1101 – Aural Skills I (2 Credit Hours)

The study of the diatonic harmony of the common practice period through aural analysis and recognition and the development of sight-singing skills. Emphasis on cadences, melodic form, non-harmonic tones and diatonic triads.

Pre- or Corequisite(s): MUSI 1211

MUSI 1102 - Aural Skills II (2 Credit Hours)

A continued study of the diatonic harmony of the common practice period through aural analysis and recognition and the development of sight-singing skills. Introduction to elementary forms, chromatic harmony, elementary modulation and secondary dominants of primary chords.

Prerequisite(s): MUSI 1101 $\geq$ C and MUSI 1211 $\geq$ C and MUSI 1212 $\geq$ C; Pre- or Corequisite(s): MUSI 1212

MUSI 1201 - Music Fundamentals I (2 Credit Hours)

A course in basic musicianship for non-music majors and music majors, including a study of pitch reading, rhythm reading, analysis of music, major scales, key signatures, intervals from the major scales, and triads; with further application of learned theoretical concepts through the development of rudimentary keyboard, ear-training and sight-singing skills. Does not count toward the music degree. Offered summer.

MUSI 1211 - Music Theory I (2 Credit Hours)

A study of the diatonic harmony of the common practice period through the development of composition, analysis and keyboard skills. Emphasis on cadences, melodic form, non-harmonic tones, and diatonic triads. Offered fall semester.

Corequisite(s): MUSI 1101

MUSI 1212 - Music Theory II (2 Credit Hours)

A continued study of the diatonic and chromatic harmony of the common practice period through the development of composition, analysis and keyboard skills. Emphasis on elementary forms, chromatic harmony, elementary modulation and secondary dominants of primary chords.

Prerequisite(s): MUSI 1102 and MUSI 1211

MUSI 1500 - Recital Laboratory (0 Credit Hours)

A forum for student performances and recital/concert attendance. Emphasis on exposing the student to a variety of musical styles and genres within the classical and jazz traditions. Corequisite: Major or concentration applied lessons. Offered fall and spring semesters. *May be repeated for credit.*

MUSI 1521 - Class Piano I (1 Credit Hour)

An introduction to the keyboard and training in basic keyboard technique, with emphasis on major scales, repertoire, and simple harmonization. Offered fall and spring. *May be repeated for credit.*

MUSI 1522 - Class Piano II (1 Credit Hour)

A continuation of basic piano skills and repertoire, with emphasis on minor scales, repertoire, and extended lead sheet harmonization. Offered fall and spring. *May be repeated for credit.*

Prerequisite(s): (MUSI1521 $\geq$ C or MUSI0521 $\geq$ C)

MUSI 1621 - University Chorale (0 to 1 Credit Hour)

The university's Women's Ensemble is offered for freshman or sophomore students who do not major or minor in music, and who seek a choral ensemble that does not require an audition or prior choral experience. The Women's Ensemble performs at ceremonial occasions such as the Martin Luther King, Jr. birthday celebration and at spring commencement. From time to time, the group may perform at university sports events, or at student activity events. Enrollment is open to any enrolled student.

Prerequisite(s): Open to any freshman or sophomore student not majoring in music. *May be repeated for credit.*

MUSI 1630 - Augusta University Orchestra (0 to 1 Credit Hour)

Prerequisite(s): Previous experience on an orchestral instrument. *May be repeated for credit.*

MUSI 1810 - Music Technology (1 Credit Hour)

The study and utilization of technology in musical applications. Emphasis on basic computer music notation systems, MIDI sequencing, and CAI. Offered fall and spring.

MUSI 2000 - Introduction to Music Therapy (3 Credit Hours)

This course provides an overview of the field of music therapy from its historical development to current practices, national and international. The uses of music in therapy are explored with all of those who might benefit, including people who have developmental disabilities, terminally ill, dependent on substances, have psychiatric disorders, those in acute or chronic care hospitals, birthing centers, and pain management clinics. Lectures, videotapes, and professional conferences provide insight into what is music therapy and who is best suited as MT practitioners.

MUSI 2101 – Aural Skills III (2 Credit Hours)

A continued study of the chromatic harmony of the common practice period through aural analysis and recognition and the development of sight-singing skills. Emphasis on elementary forms, modulation to closely related and foreign keys, and secondary leading tone chords of primary chords.

Prerequisite(s): MUSI 1102 >= C and MUSI 1212 >= C; Pre- or Corequisite(s): MUSI 2211

MUSI 2102 - Aural Skills IV (2 Credit Hours)

A continued study of the harmonic practices of the 19th and early 20th centuries through aural analysis and recognition and the development of sight-singing skills. Emphasis on common formal processes, extended tertian chords, modal practices and the twelve-tone system.

Prerequisite(s): MUSI 2101 >= C and MUSI 2211 >= C; Pre- or Corequisite(s): MUSI 2212

MUSI 2211 - Music Theory III (2 Credit Hours)

A continued study of the chromatic harmony of the common practice period through the development of composition, analysis and keyboard skills. Emphasis on elementary forms, modulation to closely related and foreign keys, and secondary leading tone chords of primary chords.

Prerequisite(s): MUSI 1212 >= C; Pre- or Corequisite(s): MUSI 2101

MUSI 2212 - Music Theory IV (2 Credit Hours)

A continued study of the harmonic practices of the 19th and early 20th centuries through the development of composition, analysis and keyboard skills. Emphasis on common formal processes, extended tertian chords, modal practices and the twelve-tone system.

Prerequisite(s): MUSI 2211 >= C; Pre- or Corequisite(s): MUSI 2102

MUSI 2230 - Introduction to Western Music Literature (2 Credit Hours)

The art of music listening, involving study of the evolution of musical styles from the western tradition by listening to and discussing established masterworks. The course's approach is chronological with an emphasis on developing listening skills. Offered spring.

Prerequisite(s): MUSI2101 >= C and MUSI2211 >= C

MUSI 2320 - Rock n' Roll and Society (3 Credit Hours)

A chronicle of the musical and historical development of rock-based popular music from its formative stages through the present day. Popular music will be examined within the sociocultural, political and economic contexts of a rapidly changing society where music stands as a dominant force in popular culture.

MUSI 2330 - Music of the World's Peoples (3 Credit Hours)

An inquiry into the dynamics of western and non-western value systems and behaviors by studying classical, traditional, primitive, and folk music traditions in the context of human life in a variety of cultures.

MUSI 2340 - Music of the Spheres (3 Credit Hours)

A survey of the music, sounds and images on the Voyager Interstellar golden records found on the

Voyager spacecraft which NASA launched from Florida in 1977. These contents from all over the world will be examined and discussed from a cultural and historical perspective as selections to represent Earth's humanity. *May be repeated for credit up to 3 times.*

Prerequisite(s): (ENGL 1101 >= C or ENGL 1101H >= C) and (ENGL 1102 >= C or ENGL 1102H >= C)

MUSI 2350 - The World of Film Music (3 Credit Hours)

Film Music is a distinct art form which synthesizes artistic sound with a visual image. This course explores Film Music in several aspects including, historical, aesthetic, and analytical. Analytic and listening skills are developed. Various aspects of music are addressed, including Western Classical History, Popular and Rock and Roll Music, and instrumentation and orchestration. Available for the Arts, Humanities, and Ethics area of Core IMPACTS courses.

MUSI 2400 - Music Methods for the Elementary Teacher (2 Credit Hours)

A study of the fundamentals of music for the elementary classroom teacher with emphasis on strategies for teaching music to students in the elementary grades using the Orff and Kodaly methods.

MUSI 2523 - Class Piano III (1 Credit Hour)

A continuation of basic technical keyboard skills with emphasis on block chords and arpeggios, repertoire, extended lead sheet harmonizations and improvisation. Offered fall and spring. *May be repeated for credit.*

Prerequisite(s): (MUSI1522 >= C or MUSI0522 >= C)

MUSI 2524 - Class Piano IV (1 Credit Hour)

A continuation of class piano instruction for non-keyboard majors, with emphasis on patriotic songs, repertoire, accompanying improvisation and transposition. Offered fall and spring. *May be repeated for credit up to 98 times.*

Prerequisite(s): (MUSI2523 >= C or MUSI0523 >= C)

MUSI 2525 - Advanced Keyboard Skills (1 Credit Hour)

A course in functional keyboard skills designed for all piano majors. Emphasis on skill development in transpositions, improvisation, harmonizations, and sight reading.

Prerequisite(s): MUSA1611 >= C

MUSI 2600 - Introduction to Music Industry (3 Credit Hours)

This course presents a broad overview of the music industry, and explains how its various segments operate on a daily basis; the music business system, how music is marketed, promoted, distributed, and heard, who the key players are, importance of copyright, recording agreements, touring and future opportunities, and how did we get here? This course presents the career opportunities that are available within the industry, and the knowledge needed to achieve those goals.

MUSI 2650 - Career and Job Success in the Music Industry (3 Credit Hours)

This course will introduce the wide array of exciting professional careers within the music industry, including paths to: performance, artist management, recording, production, touring, teaching and alternative careers. Learn how much can be earned in these areas and what traits and skills are needed to successfully secure a job.

MUSI 2800 - Foundation of Music Production I (3 Credit Hours)

Part one of this course will introduce students to the techniques and procedures for producing music within Digital Audio Workstation (DAW) software, focusing primarily on sequencing melodies, chord progressions, and percussion using a variety of MIDI input methods. The course is intended to be open to musicians of all levels, including those with little to no musical experience. To that end, the course will also provide students the opportunity to develop essential music performance, notation, and theory skills in the areas of piano and percussion to the extent needed to produce music using MIDI keyboards and

DAW software.

MUSI 2850 - Foundations of Music Production II (3 Credit Hours)

Part two of the music production course will introduce students to techniques, concepts, and workflows associated with recording studios. Students will learn about the various types of hardware used in the studio, including microphones, preamps, mixers, and interfaces, as well as the tracking, mixing, and mastering processes in Digital Audio Workstation (DAW) software. Students will apply these concepts in individual and group projects featuring real audio recordings (singing, rapping, instruments, etc.) while continuing to develop the performance skills from Part one of the course.

Prerequisite(s): MUSI2800 >= C

MUSI 3210 - Form and Analysis (1 Credit Hour)

A study of the formal processes of music in representative works from all style periods through analysis and composition. Offered spring.

Prerequisite(s): (MUSI2212 >= C or MUS212 >= C or MUS213 >= C)

MUSI 3220 - Sixteenth Century Counterpoint (2 Credit Hours)

A study of species and modal counterpoint based on principles of Johann Fux and the style of Palestrina. Projects will develop both compositional and analytical skills.

Prerequisite(s): (MUSI2212 >= C or MUS212 >= C or MUS213 >= C)

MUSI 3230 - Eighteenth Century Counterpoint (2 Credit Hours)

A study of two- and three-voice counterpoint as found in the invention, canon, and fugue. Projects will develop both compositional and analytical skills.

Prerequisite(s): (MUSI2212 >= C or MUS212 >= C or MUS213 >= C)

MUSI 3320 - Music and Popular Culture (3 Credit Hours)

A chronicle of the musical and historical development of rock-based popular music from its formative stages through the present day. Popular music will be examined within the sociocultural, political and economic contexts of a rapidly changing society where music stands as a dominant force in popular culture.

MUSI 3330 - Music of the World's Peoples (3 Credit Hours)

An inquiry into the dynamics of western and non-western value systems and behaviors by studying classical, traditional, primitive, and folk music traditions in the context of human life in a variety of cultures.

MUSI 3340 - Music History I (3 Credit Hours)

A survey of the history of western art music from its beginnings through the Baroque era (approximately 1750). Emphasis is given to the evolution of musical style, beginning with the influence of Greek and other ancient cultures, through the philosophical and societal attitudes toward music during the medieval, Renaissance, and Baroque periods. Offered fall.

Prerequisite(s): (MUSI2211 >= C or MUS211 >= C) and MUSI2230 >= C

MUSI 3350 - Music History II (3 Credit Hours)

A survey of the history of western art music from the Classic period (approximately 1750) to the present day. Emphasis is given to the influence of the various philosophical movements in music from the Age of Enlightenment through the 19th and 20th centuries, and the changes in societal attitudes toward music during this period. Offered spring.

Prerequisite(s): (MUSI3340 >= C or MUS321 >= C)

MUSI 3410 - Elementary and Middle School Music Methods (3 Credit Hours)

A functional course in the techniques involved in teaching general music to students in the elementary and middle school grades. Techniques addressed will include the Orff approach, Kodaly method, Dalcroze Eurhythmics and eclectic design. May be taken for graduate credit and additional coursework will

be required.

Prerequisite(s): (MUSI1102 >= C or MUS126 >= C or MUS127 >= C) and (MUSI1212 >= C or MUS112 >= C or MUS113 >= C)

MUSI 3413 - Foundations of Music Education (3 Credit Hours)

This course is designed to introduce students to the field of music education. Topics will include historical and philosophical foundations of American music education, learning theories with application for the field, basic teaching methods, lesson plan development, forms of assessments, and current trends in the profession. Students will also be familiar with the Georgia Performance Standards for Music Education and the teacher certification requirements from the College of Education.

MUSI 3420 - Brass Methods (1 Credit Hour)

A functional course for the music educator in the techniques involved in playing and teaching trumpet, horn, trombone, euphonium and tuba. Emphasis on development of fundamental skills and teaching techniques through hands-on experience with each of these instruments. May be taken for graduate credit; additional work will be required.

Prerequisite(s): (MUSI1102 >= C or MUS126 >= C or MUS127 >= C) and (MUSI1212 >= C or MUS112 >= C or MUS113 >= C)

MUSI 3430 - Woodwind Methods (1 Credit Hour)

A functional course for the music educator in the techniques involved in playing and teaching flute, clarinet, oboe, bassoon and saxophone. Emphasis on development of fundamental skills and teaching techniques through hands-on experience with each of these instruments. May be taken for graduate credit; additional work will be required.

Prerequisite(s): (MUSI1102 >= C or MUS126 >= C or MUS127 >= C) and (MUSI1212 >= C or MUS112 >= C or MUS113 >= C)

MUSI 3440 - String Methods (1 Credit Hour)

A functional course for the music educator in the techniques involved in playing and teaching violin, viola, cello, bass, guitar, and the instruction of string players of all levels within mixed ensembles. Emphasis on the development of fundamental skills and teaching techniques through hands-on experience with each of the string instruments. May be taken for graduate credit; additional work will be required.

Prerequisite(s): (MUSI1102 >= C or MUS126 >= C or MUS127 >= C) and (MUSI1212 >= C or MUS112 >= C or MUS113 >= C)

MUSI 3450 - Percussion Methods (1 Credit Hour)

A functional course for the music educator in the techniques involved in playing and teaching snare drum, mallet percussion, timpani and auxiliary instruments. Emphasis on development of fundamental skills through hands-on experience with each of the percussion instruments. May be taken for graduate credit; additional work will be required.

Prerequisite(s): (MUSI1102 >= C or MUS126 >= C or MUS127 >= C) and (MUSI1212 >= C or MUS112 >= C or MUS113 >= C)

MUSI 3460 - Marching Band Methods (1 Credit Hour)

Developmental experiences in the pedagogical and administrative skills, and knowledge of literature needed for successful teaching of marching band in secondary schools. Emphasis on teaching marching fundamentals and drill design. May be taken for graduate credit; additional work will be required.

Prerequisite(s): (MUSI1102 >= C or MUS126 >= C or MUS127 >= C) and (MUSI1212 >= C or MUS112 >= C or MUS113 >= C)

MUSI 3470 - Vocal Methods (1 Credit Hour)

Vocal Methods is a functional course in basic vocal pedagogy for the future music educator. It includes an entry-level study of vocal anatomy and physiology and vocal technique, working with student voices, the differences between adolescent/teen female and male voices, and the changing voice. Further

consideration is given to reasonable expectations for such voices, and criteria for selection of vocal music for ensembles. May be taken for graduate credit; additional work will be required.

Prerequisite(s): (MUSI1102 >= C or MUS126 >= C or MUS127 >= C) and (MUSI1212 >= C or MUS112 >= C or MUS113 >= C)

MUSI 3511 - English Diction for Singers (1 Credit Hour)

The study of principles and application of English diction in singing through the use of the International Phonetic Alphabet, spoken language drill, and study and recitation of representative song literature. May be taken for graduate credit; additional work will be required. Offered on alternate years.

MUSI 3512 - Italian Diction for Singers (1 Credit Hour)

The study of principles and application of Italian diction in singing through the use of the International Phonetic Alphabet, spoken language drill, and study and recitation of representative song literature. May be taken for graduate credit; additional work will be required. Offered on alternate years.

MUSI 3513 - German Diction for Singers (1 Credit Hour)

The study of principles and application of German diction in singing through the use of the International Phonetic Alphabet, spoken language drill, and study and recitation of representative song literature. May be taken for graduate credit; additional work will be required. Offered on alternate years.

Prerequisite(s): (MUSI3511 >= C) and (MUSI3512 >= C or MUS334 >= C)

MUSI 3514 - French Diction for Singers (1 Credit Hour)

The study of principles and application of French diction in singing through the use of the International Phonetic Alphabet, spoken language drill, and study and recitation of representative song literature. May be taken for graduate credit; additional work will be required. Offered on alternate years.

Prerequisite(s): (MUSI3511 >= C) and (MUSI3512 >= C or MUS334 >= C)

MUSI 3520 - Vocal Pedagogy (2 Credit Hours)

A survey of the methods and materials related to individual and group instruction in a principal performing medium. Emphasis upon solo vocal instruction. Prerequisite(s): Upper division status in applied vocal studies.

Prerequisite(s): (MUSA2102 >= C or MUSA2104 >= C)

MUSI 3530 - Keyboard Pedagogy (2 Credit Hours)

A survey of the methods and materials related to individual and group instruction in a principal performing medium. Emphasis on solo piano instruction. Prerequisite(s): Upper division status in applied keyboard studies.

Prerequisite(s): (MUSA2612 >= C or MUSA2614 >= C)

MUSI 3551 - Keyboard Accompanying (1 to 2 Credit Hours)

An introduction to performance practices for keyboard and solo instrument and/or voice. Emphasis on historic and stylistic elements, sight-reading and aural skills. Prerequisite(s): Permission of the instructor. *May be repeated for credit.*

MUSI 3560 - Fundamentals of Conducting (1 Credit Hour)

Training in score reading and the integration of analysis, style, performance practices, instrumentation, and baton techniques in order to create accurate and musically expressive performances with various types of performing groups and in classroom situations. Laboratory experiences provide opportunities to apply rehearsal techniques and procedures. Offered spring.

Prerequisite(s): (MUSI2211 >= C or MUS211 >= C) and (MUSI2101 >= C or MUS316 >= C)

MUSI 3610 - Augusta University Wind Ensemble (0 to 1 Credit Hour)

Must be enrolled in MUSA 3XXX as a co-requisite. *May be repeated for credit.*

MUSI 3620 - University Singers (0 to 1 Credit Hour)

May be repeated for credit.

MUSI 3621 - University Chorale (0 to 1 Credit Hour)

The University Chorale is offered to students who do not major or minor in music and who seek a choral ensemble that does not require an audition or prior choral experience. Enrollment is open to any enrolled student. *May be repeated for credit.*

MUSI 3625 - Gospel Choir (1 Credit Hour)

Participation in the AU gospel choir is designed to provide experiences in the rehearsal and performance of choral music, with emphasis in gospel repertoire. Literature within this genre will be studied and performed. Skills of ensemble vocalization, practical musicianship, and expressive communication will be taught, rehearsed, and demonstrated in performance on and/or off campus. *May be repeated for credit.*

MUSI 3630 - Augusta University Orchestra (0 to 1 Credit Hour)

Must be enrolled in MUSA 3XXX as a co-requisite. *May be repeated for credit.*

MUSI 3640 - Artist Management and Concert Touring (3 Credit Hours)

This course will present the essential components of a successful tour: finding a manager/team, defining short and long term goals, contracts and deals, alternative streams of income, and who get paid and how much. Also covered will be merchandising and promotion techniques, and the technical side of touring: stage plots, sound and lights, and how to settle up the show when the music is over. This course will provide a detailed overview of the complete touring and music merchandising process.

MUSI 3650 - Music Events and Promotion (3 Credit Hours)

This course provides an overview of key music marketing principles, terms, and practices which include merchandising, publicity, radio promotion (online and traditional), retail and distribution (online and traditional), advertising, and touring. This course will look at the opportunities available at both traditional terrestrial marketing opportunities, as well as online opportunities. Students will develop a timeline and a working marketing plan.

MUSI 3660 - Augusta University Jazz Ensemble (0 to 1 Credit Hour)

Prerequisite(s): Permission of the instructor. *May be repeated for credit.*

MUSI 3720 - Jazz Improvisation I (2 Credit Hours)

The study and application of jazz improvisation techniques. Emphasis on harmonic progressions, chord/scale relationships, patterns, and stylistic considerations.

Prerequisite(s): MUSI1212 >= C

MUSI 3800 - Music Technology for Multimedia Productions (3 Credit Hours)

This course will provide students with an introduction to several types of multimedia production techniques, including foley, sound design, and scoring for film, livestreaming and podcasting, and the creation of music videos.

Prerequisite(s): MUSI2800 >= C and MUSI2850 >= C

MUSI 4000 - Field Experience in Music (1 to 3 Credit Hours)**MUSI 4090 - Senior Project for BA in Music (2 Credit Hours)**

A guided study of topics in music and its interrelationship with other disciplines through an independent research project. In consultation with the music faculty, students will choose their own topics for study and research projects. Prerequisite(s): Permission of the instructor, senior standing; completion of piano proficiency and computer applications in music proficiency.

Prerequisite(s): MUSI1810 >= C

MUSI 4190 - Special Topics in Conducting (2 Credit Hours)

A guided study of topics in conducting through independent research projects or in-depth study. Possibilities include score preparation, score study, techniques for conducting specific repertoires and public performance. May be repeated for credit. *May be repeated for credit.*
Prerequisite(s): (MUSI3560 >= C or MUS461 >= C)

MUSI 4210 - Instrumentation and Orchestration (1 Credit Hour)

An introduction to the basics of writing for instruments, mixed groups of instruments and arranging music of other genres. Emphasis on the development of knowledge about the ranges, capabilities and tonal characteristics of each instrument, while writing with musical variety and interest. Offered fall of alternate years.

Prerequisite(s): (MUSI2212 >= C or MUS212 >= C or MUS213 >= C) and (MUSI2102 >= C or MUS317 >= C or MUS318 >= C)

MUSI 4220 - Contemporary Theoretical Technology (2 Credit Hours)

An exploration of the methods and techniques with which to analyze twentieth century music, including the twelve-tone technique in the music of Schoenberg, Berg, and Webern, Allen Forte's theory of pitch sets, and means of analyzing pitch centric works and electronic and aleatoric music.

Prerequisite(s): (MUSI2212 >= C or MUS212 >= C or MUS213 >= C)

MUSI 4230 - Jazz Arranging and Composition (2 Credit Hours)

The study and application of concepts and techniques for writing and/or arranging jazz music. Emphasis is on traditional musical principles of dealing with melody, harmony, rhythm, orchestration, and form.

Prerequisite(s): MUSI2212 and MUSI1810 and MUSI3720 and MUSI4730

MUSI 4290 - Special Topics in Music Theory (2 Credit Hours)

A guided study of theoretical techniques through independent research and analysis projects or in-depth study in a classroom setting. In consultation with the theory faculty, students will choose their own topics for study. May be repeated for credit. *May be repeated for credit.*

Prerequisite(s): (MUSI2212 >= C or MUS212 >= C or MUS213 >= C)

MUSI 4320 - Vocal Literature (2 Credit Hours)

A study of the development of solo vocal song literature, of major song composers, and of song and song cycle repertoire.

Prerequisite(s): (MUSI2211 >= C or MUS211 >= C or MUS212 >= C)

MUSI 4330 - Opera Literature (2 Credit Hours)

A comprehensive survey of opera through study of the historical development, characteristics, and composers of opera.

Prerequisite(s): (MUSI2211 >= C or MUS211 >= C or MUS212 >= C)

MUSI 4341 - Piano Literature I (2 Credit Hours)

A history of the piano and harpsichord and an in-depth survey of the major solo repertoire from the 16th through the 18th century.

Prerequisite(s): (MUSI2211 >= C or MUS211 >= C or MUS212 >= C)

MUSI 4350 - Orchestral Literature (2 Credit Hours)

A comprehensive survey of symphonic music styles and history from the Pre-Classical and Baroque Periods to the present, with an emphasis on listening, research and score study.

Prerequisite(s): (MUSI2211 >= C or MUS211 >= C or MUS212 >= C)

MUSI 4360 - Chamber Music Literature (2 Credit Hours)

A comprehensive study of instrumental chamber music styles and history from the Baroque period to the present. Emphasis on aural identification and comparative analysis of representative works.

Prerequisite(s): (MUSI2211 >= C or MUS211 >= C or MUS212 >= C)

MUSI 4390 - Special Topics in Music History (2 Credit Hours)

A guided study of topics in music history through independent research projects or in-depth study in a classroom setting. In consultation with the music history faculty, students will choose their own topics for study and research projects. May be repeated for credit. *May be repeated for credit.*

Prerequisite(s): (MUSI2211 >= C or MUS211 >= C or MUS212 >= C)

MUSI 4410 - Conducting and Methodology of Secondary Instruments (3 Credit Hours)

Developmental experiences in the gestural, pedagogical, administrative skills, and knowledge of literature needed for successful teaching of instrumental music in grades 6-12. May be taken for graduate credit; additional work will be required. Offered fall.

Prerequisite(s): (MUSI3560 >= C)

MUSI 4420 - Conducting and Methodology of Secondary Choral (3 Credit Hours)

Conducting and Methods is a study of the skills necessary for secondary choral teaching. Among the areas to be examined are score preparation, gestural skills, artistic judgment, teaching problems and strategies (e.g., learning theories, classroom management, discipline, etc.), and rehearsal methodology. Further matters such as cultural, historical and linguistic contexts, teaching philosophy and administrative tasks will be considered. May be taken for graduate credit; additional work will be required. Offered spring.

Prerequisite(s): (MUSI3560 >= C)

MUSI 4492 - Music Education Culminating Residency (10 Credit Hours)

Intensive, field-based apprenticeship in music at the elementary and/or middle/secondary levels. Includes supervised teaching and practical application of previous coursework. Prerequisite(s): Senior standing, fulfillment of all other graduation requirements; completion of junior recital (MUSA 3XX5); completion of piano proficiency; computer applications in music proficiency; admission to teacher education.

Prerequisite(s): MUSI 1810 >= C; Corequisite(s): EDTD 4940; Additional Course Fee: Student Teaching Fee - \$200 Flat Fee

MUSI 4493 - Internship in Music Education (6 Credit Hours)

Intensive, field-based apprenticeship in music for those employed at the elementary and/or middle/secondary levels and who are seeking certification in music. Includes supervised teaching and practical application of previous course work. May be repeated for credit. Offered on-demand.

Prerequisite(s): Fulfillment of other music certification requirements. *May be repeated for credit.*

MUSI 4521 - Directed Studio Teaching: Vocal (0 to 3 Credit Hours)

Studio teaching of beginning to intermediate level voice students under the regular supervision of the voice faculty. May be repeated for credit. *May be repeated for credit.*

Prerequisite(s): (MUSI3520 >= C)

MUSI 4531 - Directed Studio Teaching: Keyboard (0 to 3 Credit Hours)

Studio teaching of beginning to intermediate level piano students under the regular supervision of the piano faculty. May be repeated for credit. *May be repeated for credit.*

Prerequisite(s): (MUSI3530 >= C)

MUSI 4541 - Direct Studio Teaching: Instrument (0 to 3 Credit Hours)

Studio teaching of beginning to intermediate level instrumental students under the regular supervision of the instrumental faculty. May be repeated for credit. *May be repeated for credit.*

Prerequisite(s): (MUSI3540 >= C)

MUSI 4570 - Jazz Pedagogy (2 Credit Hours)

The study and application of concepts and techniques for teaching jazz at the private, secondary, and college levels.

Prerequisite(s): MUSI3720 and MUSI4720 and MUSI3660 and MUSI4730

MUSI 4600 - Music Publishing and Licensing (3 Credit Hours)

This course will present a conceptual understanding of basic licensing terms, opportunities, and strategies for intellectual property within the music industry. Included will be a mix of several real-life examples and hypothetical situations, along with review of actual agreements. Students will learn how to register works with relevant performing rights organizations, understand basic copyright terminology and learn the different licensing rights available to the artist, record label, and publisher.

MUSI 4610 - Augusta University Opera Ensemble (0 to 3 Credit Hours)

Prerequisite(s): Permission of the instructor; audition for roles in major productions. *May be repeated for credit.*

MUSI 4620 - TONEalities (0 to 1 Credit Hour)

The music ensembles at Augusta University present all students with the opportunity for a hands-on experience with music in a shared effort with others. A variety of performance groups exist for the interested student regardless of major, including large ensembles and chamber groups. All instruments and voice types are welcome. *May be repeated for credit.*

MUSI 4640 - Woodwind Ensemble (0 to 1 Credit Hour)

Prerequisite(s): Permission of the instructor. *May be repeated for credit.*

MUSI 4650 - Brass Ensemble (0 to 1 Credit Hour)

Prerequisite(s): Permission of the instructor. *May be repeated for credit.*

MUSI 4660 - Jazz Combo (0 to 1 Credit Hour)

Prerequisite(s): Permission of the instructor. *May be repeated for credit.*

MUSI 4670 - Keyboard Ensemble (0 to 1 Credit Hour)

Prerequisite(s): Permission of the instructor. *May be repeated for credit.*

MUSI 4680 - Percussion Ensemble (0 to 1 Credit Hour)

Prerequisite(s): Permission of the instructor. *May be repeated for credit.*

MUSI 4690 - Chamber Music Ensemble (0 to 1 Credit Hour)

Prerequisite(s): Permission of Instructor. *May be repeated for credit.*

MUSI 4695 - Sand Hills String Band (1 Credit Hour)

The Sand Hills String Band is a large group ensemble composed of violin, guitar, mandolin, banjo, cello, bass, penny whistle, accordion, piano, percussion instrumentation and vocalists. Additional folk instruments maybe added as needed. The ensemble rehearses and performs an array of music from the American folk tradition.. *May be repeated for credit.*

MUSI 4720 - Jazz Improvisation II (2 Credit Hours)

The study and application of jazz improvisation techniques as a continuation of Jazz Improvisation. Emphasis is on harmonic progressions, chord/scale relationships, patterns, and stylistic considerations. Prerequisite(s): MUSI3720 and MUSI4730 and MUSI2211

MUSI 4730 - Jazz History and Literature (3 Credit Hours)

The study of music in the jazz idiom from its origin to the present, with emphasis on influential musicians, groups, and composers.

MUSI 4800 - Live Music Production (3 Credit Hours)

Performing artists typically make a greater percentage of their revenue from live performances and touring than from their album sales and streams, making it more important than ever for artists to have the skills to design and run a live show that looks and sounds professional and engaging.

This course will provide students with opportunities to deepen their understanding of analog synthesis, sequencing, and production techniques suitable for either stage or studio, learn the basics of analog and digital sound reinforcement, and explore lighting techniques for live productions. This course will also serve as a culminating experience for students working towards their music technology certificate, drawing on concepts and techniques taught across the previous three courses (Foundations of Music Production I and II, and Music Technology for Multimedia).

Prerequisite(s): MUSI2800 >= C and MUSI2850 >= C and MUSI3800 >= C

MUSI 4910 - Music Industry Internship (1 to 3 Credit Hours)

This course provides the music industry student access to available internships, volunteer opportunities, community partnerships or job placement listings that match the student's learning objective and personal career goals. Student acceptance of a music industry internship position for academic credit is contingent upon a suitable learning objective approved by both the employer and the appropriate instructor. *May be repeated for credit.*

Prerequisite(s): (MUSI2600 >= C and MUSI2650 >= C)

MUSI 4950 - Special Topics in Art and Nonprofit Leadership (1 to 3 Credit Hours)

An independent project on a subject of the student's choice. May be directed by a member of the music faculty and/or another faculty member in the arts areas. May be repeated for credit. Prerequisite: upper-division standing or post-baccalaureate status. *May be repeated for credit up to 5 times.*

MUSI 6410 - Elementary and Middle School Methods (3 Credit Hours)

A functional course in the techniques involved in teaching general music to students in the elementary and middle school grades. Techniques addressed will include the Orff approach, Kodaly method, Dalcroze Eurhythmics and eclectic design. May be taken for graduate credit and additional coursework will be required.

Prerequisite(s): MUSI1102 >= C and MUSI1212 >= C

MUSI 6411 - Conducting and Methods of Secondary Instruments (3 Credit Hours)

Developmental experiences in the gestural, pedagogical, administrative skills, and knowledge of literature needed for successful teaching of instrumental music in grades 6-12. May be taken for graduate credit; additional work will be required. Offered fall.

Prerequisite(s): MUSI3560 >= C

MUSI 6412 - Conduction and Methods of Secondary Choral (3 Credit Hours)

Conducting and Methods is a study of the skills necessary for secondary choral teaching. Among the areas to be examined are score preparation, gestural skills, artistic judgment, teaching problems and strategies (e.g., learning theories, classroom management, discipline, etc.), and rehearsal methodology. Further matters such as cultural, historical and linguistic contexts, teaching philosophy and administrative tasks will be considered. May be taken for graduate credit; additional work will be required. Offered spring.

Prerequisite(s): MUSI3560 >= C

MUSI 6413 - Foundations in Music Education (3 Credit Hours)

A guided study of topics in music education through independent research projects or in-depth study in a

classroom setting. May be taken for graduate credit.

MUSI 6420 - Brass Methods (1 Credit Hour)

A functional course for the music educator in the techniques involved in playing and teaching trumpet, horn, trombone, euphonium and tuba. Emphasis on development of fundamental skills and teaching techniques through hands-on experience with each of these instruments. May be taken for graduate credit; additional work will be required.

MUSI 6430 - Woodwind Methods (1 Credit Hour)

A functional course for the music educator in the techniques involved in playing and teaching flute, clarinet, oboe, bassoon and saxophone. Emphasis on development of fundamental skills and teaching techniques through hands-on experience with each of these instruments. May be taken for graduate credit; additional work will be required.

MUSI 6440 - String Methods (1 Credit Hour)

A functional course for the music educator in the techniques involved in playing and teaching violin, viola, cello, bass, guitar, and the instruction of string players of all levels within mixed ensembles. Emphasis on the development of fundamental skills and teaching techniques through hands-on experience with each of the string instruments. May be taken for graduate credit; additional work will be required.

MUSI 6450 - Percussion Methods (1 Credit Hour)

A functional course for the music educator in the techniques involved in playing and teaching snare drum, mallet percussion, timpani and auxiliary instruments. Emphasis on development of fundamental skills through hands-on experience with each of the percussion instruments. May be taken for graduate credit; additional work will be required.

MUSI 6460 - Marching Band Methods (1 Credit Hour)

Developmental experiences in the pedagogical and administrative skills, and knowledge of literature needed for successful teaching of marching band in secondary schools. Emphasis on teaching marching fundamentals and drill design. May be taken for graduate credit; additional work will be required.

MUSI 6470 - Vocal Methods (1 Credit Hour)

Vocal Methods is a functional course in basic vocal pedagogy for the future music educator. It includes an entry-level study of vocal anatomy and physiology and vocal technique, working with student voices, the differences between adolescent/teen female and male voices, and the changing voice. Further consideration is given to reasonable expectations for such voices, and criteria for selection of vocal music for ensembles. May be taken for graduate credit; additional work will be required.

MUSI 6511 - English Diction for Singers (1 Credit Hour)

The study of principles and application of English diction in singing through the use of the International Phonetic Alphabet, spoken language drill, and study and recitation of representative song literature. May be taken for graduate credit; additional work will be required. Offered on alternate years.

MUSI 6512 - Italian Diction for Singers (1 Credit Hour)

The study of principles and application of Italian diction in singing through the use of the International Phonetic Alphabet, spoken language drill, and study and recitation of representative song literature. May be taken for graduate credit; additional work will be required. Offered on alternate years.

MUSI 6513 - German Diction for Singers (1 Credit Hour)

The study of principles and application of German diction in singing through the use of the International Phonetic Alphabet, spoken language drill, and study and recitation of representative song literature. May be taken for graduate credit; additional work will be required. Offered on alternate years. Prerequisite(s): MUSI 3511; MUSI 3512.

MUSI 6514 - French Diction for Singers (1 Credit Hour)

The study of principles and application of French diction in singing through the use of the International Phonetic Alphabet, spoken language drill, and study and recitation of representative song literature. May be taken for graduate credit; additional work will be required. Offered on alternate years.

MUSI 2320H- Honors: Rock 'n' Roll and Society (3 Credit Hours)

A chronicle of the musical and historical development of rock-based popular music from its formative stages through the present day. Popular music will be examined within the sociocultural, political and economic contexts of a rapidly changing society where music stands as a dominant force in popular culture. This is an honors course.

MUSI 2350H- Honors: World of Film Music (3 Credit Hours)

Film Music is a distinct art form which synthesizes artistic sound with a visual image. This Honors course explores Film Music in several aspects, including historical, aesthetic, and analytical. Analytic and listening skills are developed. Various aspects of music are addressed including Western Classical History, Popular and Rock and Roll Music, and instrumentation and orchestration. Available for the Arts, Humanities, and Ethics area of Core IMPACTS courses.

MUSEUM STUDIES (MUSM)**MUSM 3950 - Introduction to Museum Studies (3 Credit Hours)**

Designed for students interested in museums and curious about museum careers, this course serves as an introduction to the field of museum studies. Using short lectures, discussion, laboratory exercises, field trips, and guest speakers, students will explore the history and function of museums, and will examine museums of history, anthropology, art, natural history, and children's museums. Students will come to understand the changing role of museums over time, the variety of types of museums and exhibitions, and will learn to think critically about the future of museums.

MUSM 3960 - Museum Management and Leadership (3 Credit Hours)

This course introduces students to the interior workings of museums. Students will explore collection management, interpretation, mission statements, communications needs, museum ethics, and nonprofit management. Basic concepts of fundraising and public relations are introduced. Students examine collaborations with K-12 educators, programs to develop and manage volunteer docents, and museums as part of a community's cultural resource management and economic development.

MUSM 4950 - Selected Topics in Museum Studies (1 to 4 Credit Hours)

An intensive study of a selected topic in Museum Studies not addressed in the current curriculum. *May be repeated for credit.*

MUSM 4960 - Internship (1 to 3 Credit Hours)

Internship hours with a museum or organization that provides an opportunity to apply theory to exhibit-work environment or collections.

NEUROLOGY (NEUR)**NEUR 5000 - Basic Clerkship in Neurology (9 Credit Hours)**

This three (3) week clerkship provides an introduction to general neurological problems through direct supervised patient management. The acquisition of basic skills in history taking and physical diagnosis of neurological patients are stressed. Emphasis is placed on the ability to assimilate historical information and physical findings to diagnose an existing neurological lesion. The recognition and management of neurological lesions. The recognition and management of neurological emergencies is included.

NEUR 5001 - Adult Neurology Sub-I (12 Credit Hours)

This is a patient care elective. Students have primary care responsibility for a block of neurological inpatients. They participate in rounds and conferences and assist with the diagnostic procedures involving their patients. Students are expected to participate in the on-call rotation with other house staff.

NEUR 5003 - Neurology Consult and Clinics Externship (4 to 8 Credit Hours)

This elective is designed to provide an introduction into decision making in Neurology. The student will attend Adult Neurology Clinics and participate in the direct evaluation of patients. There is ample opportunity to examine and evaluate patients with a wide range of neurological problems. A close working relationship with the neurology attending faculty will allow maximal learning potential.

NEUR 5006 - Neurology Research (4 to 8 Credit Hours)

The following electives will allow the student an opportunity to concentrate on a specific area of Neurology. Clinical responsibility and/or research opportunities are available. In most instances, the specific program can be tailored to the interests and needs of the student. These electives must be arranged with the individual preceptor at least two months prior to the beginning of the rotation. *May be repeated for credit up to 1 time.*

NEUR 5008 - Neurology Off-Campus Externship (4 to 8 Credit Hours)

This elective allows students an opportunity to concentrate on a specific area of Neurology. Clinical responsibility and/or research opportunities are available. In most instances, the specific program can be tailored to the interests and needs of the student. This elective must be arranged with the individual preceptor at least two months prior to the beginning of the rotation. *May be repeated for credit up to 3 times.*

NEUR 5009 - Child Neurology Sub-I (12 Credit Hours)

This is a patient care elective. Students have primary care responsibility for a block of child neurology patients. They participate in rounds and conferences and assist with the diagnostic procedures involving their patients. Students are expected to participate with the house staff. *May be repeated for credit up to 1 time.*

NEUR 5010 - Neurology Critical Care (12 Credit Hours)

Students have primary care responsibilities for a group of patients in the Neurological Critical Care Unit. They participate in rounds and conferences and assist with the diagnostic procedures involving their patients. The course is designed to give students a firm grounding in the care of neurological patients in the critical care setting.

NEUR 5012 - UME GME Education- Osler Apprenticeship in Neurology (4 to 8 Credit Hours)

Osler Apprentices (OAs) in neurology, is an opportunity for senior medical students with an interest in academic medicine education to gain experience and exposure to the technical, administrative, and educational skills central to pursuing a clinician educator academic pathway. Neurology is an often very intimidating specialty for learners. Responsibilities include assisting with expanding medical education materials for neurology for learners of all levels, building educational content that engages both the UME and GME aspects of medical education, and potentially building research project in medical education. *May be repeated for credit up to 3 times.*

Prerequisite(s): NEUR5000 >= B

NEUR 5020 - Neuromuscular Disease Senior Elective (4 to 8 Credit Hours)

The student will spend their time examining patients with neuromuscular diseases in the EMG lab on the AU Health campus. They will see mainly outpatients but will also participate in inpatient neuromuscular consults. They will participate in the multi-disciplinary ALS clinic. The student will have the option, if available, to see neuromuscular patients at a satellite clinic at the Rehabilitation Clinic of Atrium Health Navicent in Macon Georgia under the supervision of Dr. Michael Rivner, who currently attends there 3

days a month. The student will attend biweekly training sessions on EMG and neuromuscular diseases. At the end of the rotation, it will be expected that the student will have experience caring for neuromuscular patients being able to examine and understand basic testing and treatment for these diseases.

NEUR 5022 - Electromyography Senior Elective (4 to 8 Credit Hours)

The student will learn the basic techniques for performing electrodiagnostic studies in patients. It is expected that the student will learn when to order these studies and how they will aide in neurological diagnosis. The student will learn how to perform nerve conduction studies and it will be expected that they will be able to do them. They will learn the proper techniques for performing needle exam and what the meaning of common abnormalities are. They will learn how to properly image a nerve using ultrasound. They will learn how ultrasound can be used to localize nerves and muscles for therapeutic injections. They will learn about the role of botulinum toxin injections in the treatment of neurological conditions. They will participate in biweekly EMG/neuromuscular conferences

NEUR 5999 - Basic Clerkship Remediation in Neurology (1 Credit Hour)

Remediation of the Basic Core Clerkship in Neurology

Prerequisite(s): NEUR 5000

NUCLEAR MEDICINE TECHNOLOGY (NMMT)

NMMT 3100 - Introduction to Patient Care (2 Credit Hours)

Presentation of fundamental patient care skills and medical terminology needed for entry level biomedical and radiologic science professionals. Content includes essential patient care concepts including medical assessment, physical assessment, physical assistance, infection control and aseptic technique, physiologic monitoring, venipuncture, drug administration, patient special needs, psychosocial considerations, and medical emergencies.

NMMT 3105 - Introduction to Patient Care Lab (1 Credit Hour)

Laboratories include fundamental patient care skills needed for entry level biomedical and radiologic science professionals. Included are medical assessment, physical assessment, physical assistance, infection control and aseptic technique, physiologic monitoring, venipuncture, drug administration, patient special needs, psychosocial considerations, and medical emergencies.

NMMT 3210 - Radiation Protection and Biology (4 Credit Hours)

Regulations, principles and practices of radiation protection, and information particular to each radiologic specialty and/or modality. Medical aspects of radiobiology including cellular, systemic and total body responses. Prerequisite(s):

Admission to the RADT program or permission of instructor with College Algebra or Pre-Calculus.

Prerequisite(s): NMT program enrollment, College Algebra or Pre-Calculus or instructor permission.

Prerequisite(s): (MATH 1111 $\geq$ C or MATH 1113 $\geq$ C)

NMMT 3215 - Radiation Protection and Bio Lab (1 Credit Hour)

Regulations, principles and practices of radiation protection, and information particular to each radiologic speciality and/or modality. Medical aspects of radiobiology including cellular, systemic and total body responses.

Prerequisite(s): Admission to NMT program or permission of instructor

NMMT 3320 - Information Technology and Clinical Services Delivery (1 Credit Hour)

Provides an overview of management theory, management of human and financial resources, operations, and communication skills using the managerial functions of planning, organizing, leading, and controlling. Includes application of principles of administration, personnel management, design, equipment

purchasing, information systems and concepts of quality management.

NMMT 3400 - Physics of Nuclear Medicine (4 Credit Hours)

Theory of operation of nuclear medicine detection and imaging instrumentation presented in lectures coordinated with weekly experiments in directed laboratory sessions. Major emphasis on quality control of nuclear medicine detection and imaging instrumentation.

Prerequisite(s): NMT program admission, or College Algebra or Pre-Calculus or permission of instructor.

NMMT 3600 - Introduction to Nuclear Cardiology (3 Credit Hours)

Prerequisite: NMMT 3611 and NMMT 3612. This course is the first of a two-course sequence in nuclear cardiology imaging and provides a comprehensive introduction that will allow the graduate of a certificate or entry level NMT program to perform basic cardiac perfusion, first pass, or multi-gated acquisition procedures in a dedicated cardiac outpatient setting or in a hospital nuclear medicine department. This course is designed to be an introduction to nuclear cardiology for entry level graduates, and is to provide adequate introductory skills in preparation for continued learning within the nuclear cardiology setting. This course covers nuclear medicine imaging only, and does not provide training in advanced cardiac life support (ACLS, or cardiac pharmacology) beyond reference to those pharmacological interventional drugs specific to stress testing.

NMMT 3605 - Physics of Nuclear Medicine Lab (1 Credit Hour)

Theory of operation of nuclear medicine detection and imaging instrumentation presented in lectures coordinated with experiments in directed laboratory sessions. Major emphasis on quality control of nuclear medicine detection and imaging instrumentation.

Prerequisite(s): NMT program admission, or College Algebra or Pre-Calculus or permission of instructor.

Prerequisite(s): (MATH 1111 $\geq$ C or MATH 1113 $\geq$ C)

NMMT 3611 - Principles and Practice of Nuclear Medicine I (3 Credit Hours)

Prerequisite: Admission to NMT program, or permission of instructor.

Radiopharmaceutical preparation and quality control, anatomy and positioning, and the rationale, procedures, and technical aspects of routine imaging procedures are presented. (Part I of a two part course.)

NMMT 3612 - Principles and Practices of Nuclear Medicine II (3 Credit Hours)

Prerequisite: Pass NMMT 3611 or NMMT 3611. Gwinnett Rationale, procedures and technical aspects, functional imaging, hematology, and radionuclide therapy, renal imaging, infection imaging, and CNS evaluation protocols are presented (Part II of a two course sequence) combines classroom and online delivery.

NMMT 3621 - Principles and Practice of Nuclear Medicine Laboratory I (1 Credit Hour)

Prerequisite: Admission to NMT program, or permission of instructor. Web-based course.

Radiopharmaceutical preparation and quality control, anatomy, and positioning, and the rationale, procedures, and technical aspects of routine imaging procedures are presented. Travel to main campus required. (Part 1 of a two part course.)

NMMT 3622 - Principles and Practice of Nuclear Medicine Lab II (1 Credit Hour)

Laboratory and research exercises to support techniques of radiopharmaceutical preparation and quality control, anatomy and positioning, and technical aspects of routine imaging procedures are presented in a supervised laboratory or clinical setting. (Part 2 of a two course sequence). Some travel to Augusta is required.

NMMT 3623 - Clinical Correlation Seminar (2 Credit Hours)

Study of nuclear medicine through literature review, discussion groups, and student or guest

presentations.

NMMT 3631 - Applied Research I (1 Credit Hour)

Web-based course. Students select a study or research topic according to their special interests. A suitable paper or report is required. Credit to be awarded is based on the level of difficulty of the project. Prerequisite: none

NMMT 3641 - Clinical Internship (3 Credit Hours)

Prerequisite: Admission to program, or permission of instructor.

Introduction to fundamentals of department operations, equipment and materials, patient care and management. Student observes clinical application of fundamentals and learns how they are applied by nuclear medicine technologist to patient imaging procedures. Student assists and performs routine procedures under direct supervision of clinical instructor.

NMMT 3642 - Clinical Internship (3 Credit Hours)

Student observes, assists, and performs routine and cardiac procedures as well as functional studies under supervision of clinical instructor.

NMMT 3643 - Clinical Internship (5 Credit Hours)

Student practices performance of all aspects of nuclear medicine technology under guidance and/or supervision of clinical instructor, including routine imaging, cardiac procedures, SPECT, functional imaging, quality control, record keeping, and patient management.

NMMT 4120 - Principles and Instrumentation of CT (3 Credit Hours)

Principles of production of x-ray including x-ray tubes and generators. Concepts of CT physics and instrumentation. CT scanner equipment fundamentals from first generation to multi-slice spiral and cine CT.

Prerequisite(s): Enrollment in Allied Health Program or permission of instructor.

NMMT 4140 - Advanced Patient Care (1 Credit Hour)

This course is an introduction to ACLS and provides a basis for responding to a critical care event. The primary emphasis prepares students to take and pass the ACLS training course. The topics covered include patient assessment, treatment protocols, ECG monitoring and interpretation, implementing critical care algorithms, pharmacological agents and airway management. ACLS certification is required at the conclusion of the course.

Prerequisite(s): BCLS Certification or instructor permission.

NMMT 4160 - Pathology for Radiologic Sciences (2 Credit Hours)

The course is designed as an overview of pathological disease processes with a focus on specific diseases radiologic student are likely to encounter in the practice of their profession. Emphasis is on relatively common pathologies, their epidemiology, symptomology, diagnosis, and treatment. Each pathological entity is examined in the context of its impact upon the patient, typical course, and distinguishing diagnostic characteristics.

NMMT 4300 - Professional Issues and Ethics (1 Credit Hour)

Introduction to current critical issues impacting allied health science; the role of the allied health professional within the healthcare system and its relationship to other healthcare disciplines.

NMMT 4400 - Sectional Anatomy (2 Credit Hours)

The course is designed to provide students in radiologic and imaging sciences a supplement to the student's knowledge of anatomy through presentation of longitudinal, sagittal, coronal, and oblique sections of the human body. Correlation with computed tomography, magnetic resonance, sonographic, and SPECT images is made. Students should be able to use the material presented as a foundation for

further study in any of the modalities.

NMMT 4500 - Radiopharmacy for Nuclear Medicine Technology (3 Credit Hours)

The radiopharmacy course is designed to give the student a broad overview of the development and design of radiopharmaceuticals with more specific emphasis placed on physiological utilization, clinical variations, and parameters of quality control. A review of the chemical basis of radioassays is presented and certain aspects of the radioassay procedure are studied in depth with emphasis on development of procedures in clinical nuclear medicine.

Prerequisite(s): NMMT3210 >= C and NMMT3400 >= C and NMMT3611 >= C and NMMT3612 >= C

NMMT 4600 - Advance Practice in Nuclear Medicine I (2 Credit Hours)

Prerequisite: Completion of junior year in nuclear medicine technology program or nuclear medicine technology certificate, or permission of instructor. The course will expand on the clinical application of basic components of nuclear cardiology imaging covered in the first year of nuclear medicine technologist training

NMMT 4602 - Applied Research (2 Credit Hours)

Prerequisite: Enrollment as senior year student in NMT program or NMT certification. Web-based course. Students select a study or research topic according to their special interests. A suitable paper or report is required. Credit to be awarded is based on the level of difficulty of the project.

NMMT 4610 - Advanced Practice in Nuclear Medicine Laboratory I (1 Credit Hour)

Prerequisite: Senior year NMT status or NMT certification.

NMMT 4620 - Research Design and Statistical Methods (2 Credit Hours)

Introduction to fundamentals of designing research and statistical methods appropriate for allied health and radiological sciences. Teaches working knowledge of basic descriptive and inferential statistics in order to analyze relationships and differences among groups, and differentiation between experimental and quasi-experimental research designs. Students design a project and develop it into research proposal.

Prerequisite(s): Elementary Statistics or permission of the instructor.

NMMT 4623 - Clinical Correlation in Nuclear Medicine (3 Credit Hours)

Study of nuclear medicine through lecture, literature review, discussion groups, and student or guest presentations. This course is the cumulative discipline review course prior to students sitting for national certification and registry examinations. Students must pass the exit examination in order to qualify to attempt the national certification or registry examinations. *May be repeated for credit up to 1 time.*

NMMT 4631 - Applied Research III (1 to 4 Credit Hours)

Students select a clinical research topic according to their special interests. A suitable paper or report is required. Credit to be awarded is based on the level of difficulty of the project.

Prerequisites: Senior year NMT status or NMT certification, or permission of instructor. *May be repeated for credit.*

NMMT 4641 - Clinical Practicum (2 Credit Hours)

Prerequisite: Senior level status in Nuclear Medicine Technology, or permission of instructor.

Student performs routine and advanced function procedures accepting responsibility for quality and appropriateness of study. Special clinical assignments may be made at the discretion of the clinical supervisor or clinical coordinator. Practicum may include nuclear cardiology, CT, PET/CT as well as routine nuclear procedures.

NMMT 4642 - Clinical Practicum (2 Credit Hours)

Student performs routine and advanced function procedures and accepts responsibility for quality and appropriateness of study. Special clinical assignments may be made at the discretion of the clinical

supervisor or clinical coordinator. Practicum may include nuclear cardiology, CT, PET/CT, as well as routine nuclear procedures

NMMT 4650 - Advanced Practice in Nuclear Medicine II (3 Credit Hours)

Advanced techniques and knowledge of new imaging and therapy technology, and technical aspects of advanced imaging.

Prerequisites: NMT program admission or permission of instructor.

NMMT 4651 - Advanced Practice of Nuclear Medicine Lab II (1 to 4 Credit Hours)

Laboratory and research exercises to support advanced techniques and knowledge of new imaging and therapy technology, and technical aspects of advanced imaging and therapy presented as student centered learning activities.

Prerequisite: NMT program admission or permission of instructor.

NEUROSCIENCE – UNDERGRADUATE (NSCI)

NSCI 2001 - Introduction in Neuroscience (3 Credit Hours)

Neuroscience is a field that seeks to understand the structure and function of the nervous system and brain. This course is intended for undergraduate students interested in understanding the molecular, cellular, behavioral, and computational mechanisms of the brain.

NSCI 2010 - Introduction to Neuropharmacology (3 Credit Hours)

This course introduces drug-induced changes in the functioning of the nervous system. The specific focus of this course will be to provide a description of the cellular and molecular actions of drugs on synaptic transmission. This course will also refer to specific diseases of the nervous system and their treatment in addition to giving an overview of the techniques used for the study of neuropharmacology. Additional topics include factors affecting responses to drugs, properties of drugs, the kinetics of drug-receptor interactions, dose-response relationship, the principles of synaptic transmission, and criteria for synaptic transmitters.

NSCI 2020 - Neuroscience Seminar (1 Credit Hour)

A weekly seminar course that consists of lectures presented by leading researchers and graduate students doing research in the area of neuroscience.

NSCI 2990 - Undergraduate Research (0 to 3 Credit Hours)

An introduction to research problems. *May be repeated for credit up to 3 times.*

NSCI 3001 - Neuroscience Journal Club (1 Credit Hour)

The goals of this weekly course are: (1) to learn how to read and critique research papers; (2) to learn how to present a polished, professional summary of a recent research paper; and (3) to acquire some background information and context to more fully appreciate research seminars. Each session will consist of a presentation of a research paper related to neuroscience. Each presentation will be followed by a student-led discussion (~15 minutes).

NSCI 3010 - Neuroscience Methods (2 Credit Hours)

This laboratory course provides practical training in the foundations of neuroscience experimentation methods. Students will engage in model system experiments, brain anatomy work, and theoretical work addressing behavioral and physiological processes.

Prerequisite(s): NSCI 2001 >= C and NSCI 2020 >= C

Additional Course Fee: Neuroscience Lab Fee - \$50 Flat Fee

NSCI 4010 - Neuropharmacology (3 Credit Hours)

Building on basic pharmacology skills learned in NSCI 2010, the objectives of this course are to a)

provide both knowledge and conceptual understanding of the use and action of various classes of drugs in the treatment of different human diseases affecting the brain and b) develop an appreciation of the need for further research to identify new drug targets for more effective therapies.

Prerequisite(s): NSCI2001 >= C

NSCI 4120 - Neurobiology of Disease (3 Credit Hours)

An in-depth examination of the pathogenesis and repair processes of neurological disorders. Different disorders are examined at the anatomical, cellular, and functional level. Emphasis is placed on experimental modeling of disorders.

Prerequisite(s): NSCI 2001 >= C and BIOL 1107 >= C

NSCI 4210 - Cognitive Neuroscience (3 Credit Hours)

Provides a foundation in understanding the neural basis of cognition. It is an interdisciplinary field that brings together evidence from many different disciplines including psychology, neuroscience, biology, and anatomy to focus on questions and theories related to the architecture of cognitive processes.

Prerequisite(s): NSCI 2001 >= C

NSCI 4310 - Developmental Neurobiology (3 Credit Hours)

The human brain is composed of 100 billion neurons forming over 100 trillion synapses which govern all human functions. This course explores how this system is established. It examines how neurons are generated to form complex structures; how axons and dendrites find each other to wire the nervous system together; how synapses are correctly made, and remodeled with experience. Finally, it discusses how these processes are affected in neurodevelopmental disorders.

Prerequisite(s): NSCI 2001 >= C and BIOL 1107 >= C

NSCI 4990 - Neuroscience Research (3 Credit Hours)

This course involves student participation in neuroscience research supervised by a faculty member within the College of Science and Mathematics or from another Augusta University college that is involved in neuroscience research. *May be repeated for credit up to 2 times.*

Prerequisite(s): NSCI 3001 >= C

Additional Course Fee: Neuroscience Lab Fee - \$50 Flat Fee

NEUROSCIENCE - GRADUATE (NURO)

NURO 8080 - Foundations of Leadership (1 Credit Hour)

This course delivers short lectures and interactive exercises to present over a dozen different perspectives on interpersonal skills and leadership.

NURO 8082 - Neuroscience II (4 Credit Hours)

Neuroscience II will cover neuronal development, learning and memory, executive functions, sleep and circadian rhythms, mood, motivation and addiction, language and communication, and cell death regeneration.

NURO 8090 - Clinical Neuroscience (2 Credit Hours)

Intensive clinical exposure to neurological, psychiatric and ophthalmic disorders. Students attend a month-long survey of neurological disorders course and then choose a clinical rotation experience from a list of opportunities. For example, during the epilepsy rotation, students shadow physicians in the epilepsy clinic, are involved with EEG conferences, brain imaging and epilepsy surgery. Students are also involved in using human brain tissue from these surgeries in basic neuroscience research.

NURO 8300 - Thesis Research (1 to 12 Credit Hours)

This course requires permanent assignment to a specific lab with a faculty advisor and a defined research project. The student works under the mentorship of their faculty thesis advisor to define, develop, and

carry out the basic study of a research problem of interest to both student and advisor. This course is designed to develop the experience, understanding, and skills to conduct and assess original, independent research in biomedical science. This course is typically taken more than one time and culminates in the final semester in the preparation and defense of a MS thesis. *May be repeated for credit.*

NURO 8310 - Advanced Topics in Neuroscience (1 Credit Hour)

This is a highly focused elective course designed to provide students with in-depth discussions of selected, rotating topics in Neuroscience. The emphasis of the course will be on the presentation and discussion of a recently published paper and closely related background works. Class time will consist of a combination of faculty lectures and student-led lecture and discussions. Students will present comprehensive background of the topic of discussion, followed by critical evaluation of scientific papers taken from recent primary literature. This course will provide students both with in-depth knowledge of selected topics in Neuroscience, and increased experience with reading, presenting and critically analyzing scientific literature.

NURO 9010 - Neuroscience Seminar (1 Credit Hour)

The Neuroscience Seminar course consists of research seminars by visiting neuroscientists. In addition, students will have an opportunity to talk to each speaker during a lunch meeting and to serve as hosts to visiting scientists. *May be repeated for credit.*

NURO 9210 - Investigation of a Problem in Neuroscience (1 to 12 Credit Hours)

Laboratory rotation course in which the student works with individual faculty members on a specific research topic. This provides an introduction to techniques utilized in that laboratory as well as an introduction to the scientific method. *May be repeated for credit.*

NURO 9300 - Research in Neuroscience (1 to 12 Credit Hours)

Students work closely with their faculty dissertation mentor on an in-depth study of a research question of interest to both student and mentor. Enrollment in this course requires official admission to candidacy.

NURSING (NURS)

NURS 3000 - Introduction to Pathophysiology (3 Credit Hours)

This course builds on concepts and principles from the basic sciences and presents an orientation to disease as disordered physiology. It is intended to help students understand how and why the symptoms and signs of various conditions appear and will provide basic information on the causes of disease, the body's response to disease, the treatments for specific diseases and the body's response to those treatments.

NURS 3006 - Undergraduate Nursing Orientation (0 Credit Hours)

This non-credit orientation course gives undergraduate students access to startup materials for the College of Nursing and their clinical sites. The program will use this course to on-board new students, and to distribute and collect important materials. *May be repeated for credit up to 5 times.*

NURS 3500 - Independent Study (1 to 8 Credit Hours)

Independent Study

NURS 3800 - Essentials of Pathophysiology (3 Credit Hours)

This course focuses on the pathophysiological concepts necessary for nursing practice. Specific disease concepts across the lifespan are explored, integrated, and applied.

NURS 3801 - Health Assessment Across the Lifespan (3 Credit Hours)

This course provides the knowledge and skills to perform systematic health assessments of individuals

across the lifespan. The physical, mental, psychosocial, functional, developmental, and environmental aspects of health are included. Guided laboratory exercises develop skills necessary to perform the comprehensive health assessments. Effective communication and documentation are emphasized and practiced in the laboratory setting.

NURS 3802 - Introduction to Nursing Practice (7 Credit Hours)

This course provides an introduction to the nursing process and professional nursing practice through exploration of the human experiences of health, wellness, illness, and death. Examination of professional roles, models, values, and practice standards offer insight into the complexity of providing comprehensive care to clients across the lifespan. Common health alterations are examined through the integration of evidence-based research, pathophysiologic concepts, health assessment, clinical skills, and laboratory and diagnostic findings.

NURS 3803 - Health Promotion and Nutrition (2 Credit Hours)

Nursing's role in guiding individuals and families in ways to positively influence their health is emphasized through the exploration of the theoretical basis for and basic principles of health promotion and wellness, health maintenance, and disease prevention across the lifespan. The role that nutrition plays in the prevention and control of selected health alterations will be discussed.

NURS 3804 - Essentials of Pharmacology (3 Credit Hours)

The course focuses on pharmacologic concepts necessary for safe nursing practice. Using drug families and prototypes, special emphasis is placed on the clinical application of pharmacologic therapy within the context of the nursing process.

NURS 3805 - Adult Health Nursing I (6 Credit Hours)

This course builds on previously-introduced concepts and focuses on the nursing care of adults with chronic health alterations. Emphasis is on the use of critical thinking skills to develop evidence-based care that promotes, maintains, and restores health for adults and their families. Diverse clinical and simulated experience reinforce these concepts.

NURS 3806 - Geriatric Nursing (3 Credit Hours)

This course highlights the effects of aging, the promotion of optimal health and wellness, pharmacotherapy for older adults, and the examination of common health alterations and chronic illness in the older adult. Diverse clinical and simulated experiences and projects reinforce these concepts while fostering critical thinking.

NURS 3807 - Introduction to Nursing Research (3 Credit Hours)

This course introduces the role of research as a foundation for nursing practice. Basic elements of the research process, and evidence-based practice, and the identification of potential nursing research are emphasized. *May be repeated for credit up to 1 time.*

NURS 3808 - Immersion in Primary Care Nursing (4 Credit Hours)

This course examines the expanding transition of health care from acute care to community and primary care settings. The needs and roles of RNs in: care coordination for complex chronic conditions; transitional care between care settings; population health management; use of virtual visits; clinical flow of patients; and interprofessional community-based care teams are essential components of nursing care delivery in today's healthcare environment. Diverse clinical and simulated experiences, assignments, and projects will reinforce primary care nursing concepts and competencies while fostering critical thinking strategies.

Prerequisite(s): NURS3800 >= C and NURS3801 >= C and NURS3802 >= C and NURS3803 >= C

NURS 4500 - Independent Study (1 to 3 Credit Hours)

This course enables the student to pursue a specified area of study which supports the student's program

of study. Teaching strategies include didactic modalities; no clinical

NURS 4501 - Independent Study (1 to 3 Credit Hours)

Independent study to complete senior course requirements.

NURS 4502 - Teaching Assistantship (1 to 6 Credit Hours)

This course enables students to participate in a classroom and learning resources center teaching apprenticeship. Students will function as part of the teaching team for NURS 3105.

Prerequisite(s): (NURS3105 and NURS3106 and NURS3107 and NURS3108 and NURS3109 and NURS3110 and NURS3205 or NURS3210 or NURS3215 or NURS4305

NURS 4503 - Independent Study (1 to 3 Credit Hours)

This course enables the student to pursue a specified area of study which supports the student's program of study. Teaching strategies include didactic modalities; no clinical.

NURS 4800 - Mental Health Nursing (3 Credit Hours)

This course focuses on the nursing care of individuals with acute and chronic mental health alterations. Therapeutic communication is used to attain a comprehensive mental status assessment and implement nursing interventions. Critical thinking skills and knowledge of growth and development are used to develop evidence-based care that promotes, maintains, and restores mental health for individuals and their families across the lifespan. Diverse clinical settings and simulated experiences reinforce these concepts.

NURS 4801 - Adult Health Nursing II (6 Credit Hours)

This course builds on previously introduced concepts and focuses on the nursing care of adults. Emphasis is placed on acute and chronic health alterations including care of patients with multi-system concerns. Critical thinking skills are used to develop evidence-based care that promotes, maintains, and restores health for adults and their families. Diverse clinical and simulated experiences reinforce these concepts.

NURS 4802 - Maternal Child Nursing (6 Credit Hours)

This course focuses on the nursing care of childbearing women, children, and families. Emphasis is placed on the use of critical thinking skills to develop evidence-based care that promotes, maintains, and restores health for women, children, and their families. Diverse clinical and simulated experiences reinforce these concepts.

NURS 4803 - Leadership, Management, and Contemporary Nursing Topics (3 Credit Hours)

This course focuses on leadership skills, management styles, and roles of the professional nurse. Critical analyses of global sociopolitical, economic, cultural, ethical-legal, and professional issues affecting nursing and healthcare are conducted.

NURS 4804 - Synthesis of Advanced Nursing Concepts (3 Credit Hours)

This course synthesizes the skills and knowledge learned from the humanities, sciences, and nursing practice. The focus is on student-led case scenarios that incorporate complex mental, physical, and sociological health alterations across the lifespan.

NURS 4805 - Community and Public Health Nursing (4 Credit Hours)

This course focuses on the theories and principles of community and public health nursing. Emphasis is placed on community assessment, vulnerable populations, and partnering with communities to improve health. Trends in public health and global health issues are explored. Diverse clinical experiences reinforce these concepts.

NURS 4806 - Transition to Professional Nursing Practice (5 Credit Hours)

This course focuses on the clinical synthesis of the knowledge and skills gained from the humanities, sciences, and previous nursing courses for entry-level professional practice. Diverse clinical and simulated experiences reinforce these concepts.

NURS 4808 - Conceptual Basis for Professional Nursing (3 Credit Hours)

An examination of advanced concepts related to professional practice and levels of complexity in nursing and healthcare systems. The human transition across the lifespan is also explored.

NURS 4809 - Application and Integration of Pathophysiologic and Pharmacologic Concepts I (4 Credit Hours)

This two course series focuses on an integrated systems approach to physiological and pharmacologic concepts necessary for safe nursing practice. Special emphasis is placed on the clinical application of physiologic and pharmacologic principles within the context of the nursing process. *May be repeated for credit.*

NURS 4810 - Concepts of Healthcare Systems, Policy and Trends (4 Credit Hours)

This course focuses on complex concepts affecting healthcare systems including health policy, informatics, quality improvement, and their influence on current trends. Global health concepts and perspectives related to cultural diversity, patient and family centered care, complementary and alternative practices, and disparities in health care will be examined as they relate to professional nursing practice and healthcare outcomes. *May be repeated for credit.*

NURS 4811 - Application and Integration of Pathophysiologic and Pharmacologic Concepts II (4 Credit Hours)

This two course series provides a focus on an integrated systems approach to physiological and pharmacologic concepts necessary for safe nursing practice. Special emphasis is placed on the clinical application of physiologic and pharmacologic principles within the context of the nursing process. *May be repeated for credit.*

NURS 4812 - Assessment and Health Outcomes (3 Credit Hours)

This course provides theory and assessment strategies the nurse uses to detect health needs across the lifespan, propose evidence-based interventions for patients and their families, and evaluate effectiveness of interventions in meeting healthcare outcomes. This course is designed to build on the registered nurse's previous education and experience with clinical judgement and problem solving.

Pre- or Corequisite(s): NURS 4808 >=C; Grade Mode: N- Normal (A, B, C, D, F)

NURS 4813 - Health Promotion Across the Lifespan (3 Credit Hours)

This course emphasizes the nurse's role in promoting healthy lifestyles across the lifespan to improve the health of individuals, families, and communities. Students explore how variables in lifestyles impact quality of life, prevent disease, restore health, and manage chronic illness.

Pre- or Corequisite(s): NURS 4808 >= C and NURS 4812 >= C; Grade Mode: N- Normal (A, B, C, D, F)

NURS 4814 - Community and Population Nursing Care (4 Credit Hours)

This course emphasizes the nurse's role in promoting and providing equitable healthcare delivery across vulnerable and at-risk populations in a variety of community settings. Diversity, determinants of health across the lifespan, environmental health, health disparities, safety through emergency preparedness, and building of collaborative relationships across traditional and nontraditional settings that promote health, prevent illness, and manage are emphasized.

Pre- or Corequisite(s): NURS 4813 >= C; Grade Mode: N- Normal (A, B, C, D, F)

NURS 4815 - Healthcare Information Technology in Nursing (2 Credit Hours)

This course emphasizes the use of technology to effectively communicate and utilize information that drives decision-making when providing nursing care. The focus is on use of technology in complex and highly efficient healthcare settings to improve healthcare outcomes.

Pre- or Corequisite(s): NURS 4808 >= C; Grade Mode: N- Normal (A, B, C, D, F)

NURS 4816 - Quality and Safety in Professional Nursing (2 Credit Hours)

This course emphasizes the professional nurse's role in application of evidence-based quality improvement and risk reduction strategies that promote safe environments and improve patient outcomes while equitably managing resources. Use of highly effective interprofessional teams to address local, national, and global health issues is explored.

Pre- or Corequisite(s): NURS 4808 >= C

NURS 4817 - Research in Nursing (3 Credit Hours)

This course introduces the process of scholarly research and how it is used to support evidence-based practice in nursing, guide clinical decisions, and improve patient outcomes across healthcare settings. Students focus on components of the research process, skills required to identify and appraise evidence, integration of evidence into practice, and standards of ethical conduct in research.

Pre- or Corequisite(s): NURS 4813 >= C and NURS 4815 >= C and NURS 4816 >= C

NURS 4818 - Policy, Ethics, and Advocacy in Professional Nursing (3 Credit Hours)

This course explores the professional identity of nursing related to ethical practice, accountability to the profession and society, and advocacy. Nursing jurisprudence, patient safety, standards and scope of nursing practice, nursing peer review, whistleblower protections, and reflective practice are emphasized.

Pre- or Corequisite(s): NURS 4808 >= C

NURS 4819 - Collaborative Nursing Care (2 Credit Hours)

Emphasis is on developing and maintaining interprofessional collaborative partnerships within healthcare systems that utilize effective team approaches to provide person-centered care. Students focus on effective use of communication, team dynamics, self-awareness, and principles of delegation that optimize care delivery.

Pre- or Corequisite(s): NURS 4814 >=C and NURS 4818 >=C

NURS 4820 - Leadership and Management in Professional Nursing (5 Credit Hours)

This course emphasizes leadership and management theories related to the professional nurse's role in complex systems of healthcare. Clinical experiences focus on application of leadership theory and knowledge of organizational management to effectively impact performance improvement within healthcare settings.

Pre- or Corequisite(s): NURS 4817 >= C and NURS 4819 >= C

NURS 5006 - Graduate Nursing Orientation CNL (0 Credit Hours)

This non-credit orientation course gives clinical nurse leader students access to startup- materials for the College of Nursing and their clinical sites. The program will use this course to on-board new students, and to distribute and collect important materials. *May be repeated for credit up to 5 times.*

NURS 6100 - Pathophysiology (3 Credit Hours)

This course examines the pathophysiological basis of illness focusing on compromises in the body's ability to meet its physiological needs. The course begins with an introduction to basic pathophysiological concepts that are related to commonly occurring disease processes throughout the body. The student will then apply these concepts when analyzing compromises of the various body systems. Application of concepts across the lifespan will be incorporated through the discussion of pathophysiology. The course provides the foundation for the clinical decision-making and management of individual health problems

and family health problems.

NURS 6200 - Advanced Pharmacology and Nutrition (4 Credit Hours)

The course introduces the basic principles of clinical pharmacology and nutrition as therapeutic interventions in the healthcare arena. Application of concepts across the lifespan will be incorporated throughout the course. The student will apply these concepts to the pharmacological and nutritional management of compromises of the various body systems. This strong conceptual base will prepare students to administer and monitor the use of commonly used medications and alternative medicinal supplements (herbal and nutrition) safely and effectively.

Prerequisite(s): (NURS6100 >= B)

NURS 6300 - Introduction to Epidemiology and Biostatistics (3 Credit Hours)

This course will focus on applying epidemiologic principles to health promotion and illness prevention along the continuum of care in multiple settings.

NURS 6400 - Evidence-Based Practice in Nursing and Healthcare (3 Credit Hours)

Focuses on the implementation of evidence-based practice to address trends in safety and quality to achieve optimal outcomes. This course also examines the relationship between research and its relevance to nursing practice. Emphasis is placed on the retrieval, appraisal, and synthesis of evidence in collaboration with healthcare team members, including patients, to improve care outcomes. Use of performance measures to assess and improve the delivery of evidence-based practices and to promote outcomes that demonstrate delivery of quality care at the microsystem level are also highlighted. The relationship to outcomes are evaluated using information systems, management principles, concepts of evidence-based practices and scientific writing publications.

Prerequisite(s): NURS 6100 and NURS 6700 and STAT 6300

NURS 6510 - Advanced Physiological Concepts (2 Credit Hours)

This course will cover physiologic principles and processes that play a central role in health, illness, and pharmacology while exploring the latest research developments in these areas. It is designed to provide the student with in-depth understanding of normal function and alterations that contribute to acute and chronic illness. The role of genetics and the environment on health and illness will also be explored. Concepts will be applied to pharmacological principles including pharmacodynamics, pharmacokinetics, and pharmacogenomics.

NURS 6600 - Healthcare Delivery Models and Economic Policy (2 to 3 Credit Hours)

This course introduces the aspects of health care delivery systems, economics, ethics, and policy, which serve as a foundation for understanding and applying the dynamics of these principles in clinical practice.

NURS 6620 - Transitions into Professional Nursing I (3 Credit Hours)

This course focuses on the transition to professional practice. Basic issues impacting nursing and health are analyzed. Individual philosophy, goals, and career strategies will be explored.

NURS 6630 - Transitions into Professional Nursing II (3 Credit Hours)

This course focuses on the application of principles of professional nursing practice. Concepts related to ethics, evidence-based practice, leadership, management, resource utilization, and quality services are critically examined. *May be repeated for credit up to 1 time.*

NURS 6655 - Essentials of the Clinical Nurse Leader Role (3 Credit Hours)

This course focuses on essentials and fundamental aspects of the role of the clinical nurse leader (CNL). The course will guide the student to consider clinical and cost outcomes management of individuals and/or client groups experiencing chronic or acute illness. Strategies that are amenable to nursing and promote quality, safety, and efficiencies within a client-centered care delivery model are discussed. Concepts presented will include evidence-based interventions, health promotion and prevention, disease

prevention, injury reduction strategies, lateral integration of care, and the use of benchmarking for outcomes comparison. The CNL role of clinician, outcomes manager, systems analyst/risk anticipator, and team manager are a focus for this course.

NURS 6675 - Immersion into the Clinical Nurse Leader Role (8 Credit Hours)

This course focuses on the assimilation and synthesis of principles of the clinical nurse leader role into the student's professional nursing practice across the continuum of care. Students will be provided with concentrated clinical experience and will be immersed in the clinical microsystem setting. During the clinical experience, students will collaborate with nurse preceptors and will focus on: clinical and team leadership (design, coordination, and evaluation of care) including lateral integration with interprofessional healthcare teams, information and outcomes management, quality improvement, risk anticipation, evidenced-based clinical decision-making and scholarship, fiscal stewardship (leveraging human, environmental, and material resources), and patient advocacy.

NURS 6700 - Nursing Therapeutics and Professional Nursing (6 Credit Hours)

This course provides a foundation upon which students can build their professional nursing knowledge and practice. The course will emphasize fundamental nursing skills, age appropriate health assessment techniques, the nursing process, and the introduction to clinical reasoning skills. The course also explores the development of nursing practice and will emphasize the role and responsibilities of the clinical nurse leader in the healthcare delivery system.

NURS 6735 - Health Assessment and Diagnostics for Nursing Anesthesia (2 Credit Hours)

Course Prerequisites: Admission to the nursing anesthesia program or permission of instructor. This didactic course focuses on health assessment and use of the diagnostic history and physical examination to formulate a differential diagnosis in both the pediatric and adult surgical patient. Concentration is on selected theories, principles and techniques from the physical and behavior sciences essential to developing the patient data base and to applying the diagnostic process. Emphasis is placed on obtaining a comprehensive health history and performing a focuses physical examination on patients across the lifespan requiring anesthetic management. Exposure to topics of cultural differences that may impact the delivery of anesthesia care is also provided.

NURS 6741 - Anatomy and Physiology for Nurse Anesthetists (5 Credit Hours)

Prerequisite: Admission to the nursing anesthesia program or permission of the instructor. Effect of anesthesia on normal adult physiology is explored in-depth. Emphasis is placed upon those systems particularly affected by the administration of anesthesia including the central, peripheral and autonomic nervous systems, cardiovascular, respiratory and renal systems. This course is designed to build on a student's existing knowledge of anatomy and physiology.

NURS 6745 - Basic Principles of Nursing Anesthesia (4 Credit Hours)

This introductory course in nursing anesthesia is designed to present the graduate student an overview of basic principles and fundamental concepts related to nursing anesthesia practice that are essential for formulation of safe, individualized anesthesia management plans. Emphasis is placed on preoperative preparation and anesthetic planning for the surgical patient. The human patient simulator for pre-clinical management education will also be utilized to introduce the student to the induction process of anesthesia and providing hands-on interaction.

Corequisite(s): NURS6735, NURS6741, NURS6760

NURS 6751 - Pathophysiology for Nurse Anesthetist (3 Credit Hours)

Prerequisites: Admission to the nursing anesthesia program or permission of the instructor. This course provides students in the nursing anesthesia program with an overview of central concepts of pathophysiology including an understanding of the intraoperative management of common health problems, disease processes, and syndromes. The primary focus is to provide a foundation for differential diagnosis, intraoperative clinical decision-making and management.

Prerequisite(s): NURS6741

NURS 6755 - Advanced Principles of Nursing Anesthesia I (4 Credit Hours)

This course is designed to provide the graduate student with advanced anesthesia principles and techniques essential to planning and safely administering anesthesia to patients with specific systemic diseases in the surgical specialty areas. Emphasis will be placed on anesthetic considerations and management of patients with cardiovascular, pulmonary, endocrine, renal, hepatic, and hematological disorders. Principles and techniques of anesthetic administration for ENT, ophthalmologic, general, gynecological, genitourinary, orthopedic, minimally invasive and other specialty surgical procedures are also addressed. Anesthetic considerations for the geriatric population will also be explored. The students will also have the opportunity to hone clinical and critical thinking skills by managing clinical case scenarios in the simulation laboratory.

Prerequisite(s): NURS6741 and NURS6735 and NURS6760 and NURS6745; Corequisite(s): NURS6751, NURS6770, NURS6815

NURS 6760 - Pharmacology for Nurse Anesthetists I (3 Credit Hours)

In-depth exploration of the pharmacologic properties, indications, contraindications, and interactions of drugs used in the practice of anesthesia nursing. Aspects of organic and biochemistry including the chemical structures of compounds and its significance in pharmacology are explored.

NURS 6765 - Advanced Principles of Nursing Anesthesia II (7 Credit Hours)

This advanced principles course provides the graduate student in-depth study of specialized areas of nursing anesthesia practice. Lecture concentrates on advanced principles and concepts for specific anesthesia nursing interventions essential for developing and managing more complex, specialty patients and surgical procedures. Building on knowledge acquired in previous courses, this advanced principles course emphasizes anesthetic planning and management for cardiac, vascular, neurosurgical, thoracic, and organ transplant procedures. Emphasis on anesthetic considerations and management of the obstetric and pediatric patient, as well as the special needs of the trauma and burn patient are also included, as well as acute and chronic pain treatment modalities. Acute crisis management education is explored.

Prerequisite(s): NURS6741 and NURS6760 and NURS6735 and NURS6745 and NURS6751 and NURS6770 and NURS6755 and NURS6815; Corequisite(s): NURS6825

NURS 6770 - Pharmacology for Nurse Anesthetists II (4 Credit Hours)

In-depth exploration of the pharmacologic properties, indications, contraindications, and interactions of drugs used in the practice of anesthesia nursing. Aspects of organic chemistry and biochemistry including the chemical structures of compounds and its significance in pharmacology are also explored.

Prerequisite(s): NURS6760 and NURS6735 and NURS6745 and NURS6741

NURS 6815 - Technology and Techniques in Nursing Anesthesia I (3 Credit Hours)

This course is designed to familiarize the graduate student with the design and use of equipment commonly utilized in nursing anesthesia practice, including biomedical instrumentation, the anesthesia delivery system, and breathing circuits. Application of the laws of physics as they pertain to nursing anesthesia practice will be reviewed with specific examples. Emphasis is placed on gas laws, vaporization, and pressure-flow. In-depth study of airway assessment and management is also provided.

Prerequisite(s): NURS6760 and NURS6735 and NURS6745 and NURS6741

NURS 6820 - Professional Aspects of Nursing Anesthesia (2 Credit Hours)

Student's understanding of a complex healthcare system and the role of nurse anesthetists as advanced practice nurses within the system is enhanced. Issues pertaining to the nurse anesthetist as clinician, manager, teacher, researcher, and consultant are explored. Emphasis placed on practice arrangements, departmental management, principles of education and utilization of research.

NURS 6825 - Technology and Techniques in Nursing Anesthesia II (3 Credit Hours)

This course presents fundamental concepts and techniques essential to clinical anesthesia practice focusing on the theoretical and practical considerations involved in the administration and management regional anesthesia. In-depth study of advanced hemodynamic monitoring, cardiac bypass machine, and fire and electrical safety in the operating room are also provided.

Prerequisite(s): NURS6751 and NURS6770 and NURS6755 and NURS6815

NURS 6840 - Nurse Anesthesia Clinical Practicum (8 Credit Hours)

Provides clinical experience in the administration of all types of anesthetics to patients across the life span. Preparation of patients and equipment, pre and postoperative patient evaluation, planning and implementing individualized anesthesia care plans; non-invasive and invasive monitoring, pain management and airway management are emphasized. *May be repeated for credit.*

Prerequisite(s): NURS6755 and NURS6825

NURS 6852 - Nursing Anesthesia Specialty Practicum I (4 Credit Hours)

Supervised experience is provided in the administration of anesthesia to specialized populations and surgical specialties. Emphasis is placed on anesthesia techniques specific to cardiovascular, thoracic, and neuroanesthesia and for obstetric, pediatric, and critically ill populations.

Prerequisite(s): NURS6840

NURS 6854 - Nursing Anesthesia Specialty Practicum II (8 Credit Hours)

Supervised experience is provided in the administration of anesthesia to specialized populations and surgical specialties. Emphasis is placed on anesthesia techniques specific to cardiovascular, thoracic, and neuroanesthesia and for obstetric, pediatric, and critically ill populations.

Prerequisite(s): NURS6840 and NURS6852

NURS 6870 - Rural Anesthesia Perspectives and Clinical Practicum (6 Credit Hours)

Clinical experience is provided in the administration of anesthesia to rural and medically underserved populations. Emphasis is placed on developing the student's anesthesia skills and ability to function with a greater degree of independence. Requirements for comprehensive anesthesia care services in rural and medically underserved communities are explored.

Prerequisite(s): NURS6840

NURS 6990 - Scientific and Clinical Inquiry (2 Credit Hours)

This course focuses on clinical reasoning and decision-making skills as they relate to the application and implementation of evidence-based nursing practice. This course will also serve as an introduction to the research process with an emphasis on the relationship of research and its relevance to nursing practice. The relationship to outcomes will be examined through information systems and management, evidence-based practice concepts and principles, and scientific writing and publication. The overall purpose of the course will be to apply and integrate the concepts and principles into strategies for the clinical nurse leader role.

Prerequisite(s): NURS6100 and NURS6300 and NURS6700 and NURS6600 and NURS6200

NURS 7000 - Nursing Practice through Clinical Reasoning I (6 Credit Hours)

This course will build on previous course knowledge and will provide a theoretical foundation in health promotion, illness prevention and maintenance of the client's (individual, family, group or community) function in health and illness. During the clinical segment, the student uses critical thinking in providing quality comprehensive client care along the continuum of care in multiple settings.

Prerequisite(s): NURS6100 and NURS6700

NURS 7001 - Nursing Practice through Clinical Reasoning I (5 Credit Hours)

This course will build on previous course knowledge and will provide a theoretical foundation in health

promotion, illness prevention and maintenance of the client's (individual, family, group or community) function in health and illness. During the clinical segment, the student uses critical thinking in providing quality comprehensive client care along the continuum of care in multiple settings.

Prerequisite(s): (NURS6100 >= C and NURS6700 >= C)

NURS 7006 - Nursing Orientation DNP and NAP (0 Credit Hours)

This non-credit orientation course gives Doctor of Nursing Practice students (including NAP) access to start-up materials for the College of Nursing and their clinical sites. The programs will use this course to on-board new students, and to distribute and collect important materials. *May be repeated for credit up to 9 times.*

NURS 7030 - Healthcare Delivery Systems and Models (2 Credit Hours)

Course provides the basis for understanding the evolving healthcare system and nursing's role within the system. Sociopolitical, economic, technological, and legal/ethical concerns impacting the delivery of healthcare in United States are emphasized.

NURS 7100 - Integrated Healthcare: Population Health (3 Credit Hours)

Builds on previous course knowledge and provides a theoretical foundation in community assessment, disease prevention, and health behavior. Theoretical concepts are applied to promotion of health for communities and vulnerable populations. Understanding of systems and collaboration with the interdisciplinary team are emphasized. Community Health nursing practice is examined and synthesized utilizing historical, philosophical, legal, and ethical foundations and integrated knowledge. During the clinical segment, students are responsible for the clinical management of comprehensive client care along the continuum of care in multiple community settings. Community clinical meetings and presentations are in person, and dates/times vary based on the clinical site/organization.

Prerequisite(s): NURS 6100 and NURS 6300 and NURS 6600 and NURS 6700

NURS 7150 - Evidence-based Practice: Principles and Process (2 Credit Hours)

This course focuses on the examination and application of concepts and principles of evidence-based practice. The course will be taught using case studies to examine the process of evidence-based practice to improve health care outcomes to include problem identification and articulation, literature search strategies, evaluation, analysis and synthesis of the literature to make evidence-based practice recommendations. The overall purpose of the course will be to integrate the foundational concepts and principles necessary for advanced practice nurses to establish evidence-based practice as the corner stone of their critical thinking and decision making practice.

NURS 7215 - Nursing Practice through Clinical Reasoning II (5 Credit Hours)

This course will build on previous course knowledge and will promote a theoretical foundation in health promotion, illness prevention and maintenance of the clients (individual, family, group, or community) function in health and illness. During the clinical segment, the student uses critical thinking in providing quality comprehensive client care along the continuum of care in multiple settings.

Prerequisite(s): NURS6100 >= C and NURS6700 >= C and NURS6200 >= C

NURS 7221 - Strategic Resource Management (3 Credit Hours)

This course provides students with a strong foundation in the concepts of strategic management enabling them to implement the process in a wide variety of leadership positions in healthcare economics, organizations and systems.

NURS 7222 - Utilizing Systems to Improve Health Outcomes (3 Credit Hours)

This course provides students with the financial management tools needed to analyze processes, and develop and implement changes to improve patient and/or system outcomes.

NURS 7223 - Bioethics in Nursing and Healthcare (2 Credit Hours)

Bioethical dilemmas are confronted daily across healthcare settings. Bioethical issues in current and

future healthcare venues will be examined in areas such as the distribution of limited resources, health disparities, genetics, informatics, scientific exploration, patient rights, and priority-setting in healthcare. Students will critically examine an ethical issue in their specialty area with implications for the future and prepare a publishable essay.

NURS 7225 - Application of Clinical Practice: Project Identification/Development (1 to 3 Credit Hours)

Students who enter the DNP program will have an identified practice area. In this course students will refine specific issues related to their practice that will lead them to the project outcome at program completion. Students will explore literature related to specific practice concerns in their area as well as discuss issues with practice leaders to identify and refine their project goals. During their clinical time they will explore in-depth how they will redefine their practice as they continue through the program.

NURS 7226 - Examination of Practice (2 Credit Hours)

In a seminar format students will critically examine issues in nursing and healthcare today and explore how future directions can be impacted by nursing leadership in a collaborative environment to positively affect outcomes for patients and their families. Students will develop an in-depth evaluation of vulnerabilities and powerlessness in relation to their project population.

NURS 7230 - Application of Clinical Practice - Project identification (2 Credit Hours)

Students who enter the DNP program will have an identified practice area. In this course students will refine specific issues related to their practice that will lead them to the project outcome at program completion. Students will explore literature related to specific practice concerns in their area as well as discuss issues with practice leaders to identify and refine their project goals. During their clinical time they will explore in-depth how they will redefine their practice as they continue through the program.

NURS 7235 - Application of Clinical Practice: Project Development/Implementation I (1 to 3 Credit Hours)

Prerequisites: Graduate DNP standing.

In this course students will proceed with the development and implementation of the practice change project. Students will identify the target population, community resources and healthcare systems that will be impacted by their proposed project and discuss issues with these partners to further develop and refine their project goals. During their clinical time they will explore in-depth how they will redefine their practice as they continue through the program.

NURS 7245 - Application of Clinical Practice: Project Development Implementation II (5 Credit Hours)

In this course students will continue with the development and implementation of their practice change project. Students will work in partnership with their target population, community and healthcare systems during implementation of their project plan. Students will evaluate the process of implementation and make appropriate adjustments to their plan.

NURS 7250 - Theoretical Foundations for Advanced Practice Psychiatric Mental Health Nursing (3 Credit Hours)

This course provides and orientation to the professional and scientific foundations of advanced practice psychiatric nursing across the lifespan. The evolving role of advanced practice psychiatric nurses is placed in the context of the current health care system. Focus is on explanatory models of mental health and psychiatric mental health nursing across the lifespan. The course will emphasize research evidence from genetics, epidemiology, neurosciences and behavioral sciences underlying mental health promotion and preventive interventions, and evidence-based treatments for psychiatric and substance use conditions. Translation of evidence in advanced practice psychiatric nursing is emphasized.

NURS 7251 - Advanced Psychopharmacology (2 Credit Hours)

Building on the foundation pharmacological concepts (pharmacokinetics, pharmacodynamics, and pharmacogenetics), this course presents theoretical concepts and empirical evidence related to psychopharmacological interventions with selected patient populations. Focus is on evidence-based pharmacological treatments for clients with mental and substance use disorders across the lifespan. Emphasis is on integration of mental and physical health assessment in selecting and prescribing psychopharmacological agents, and monitoring and evaluating individual responses to psychopharmacological interventions. This course emphasizes evidence-based approaches to prescribing medications, and patient education about specific diagnosis and medications. Issues related to prescribing for children, adolescents, and older adults are emphasized throughout the course. *May be repeated for credit up to 1 time.*

NURS 7255 - DNP Project: Project Evaluation (3 to 5 Credit Hours)

Prerequisites: Graduate DNP standing.

During this course students will critically evaluate the short and long term outcomes of the implementation of their practice change project. They will also participate in peer review of projects. Students will discuss alternative approaches, problems and resolutions of issues that they have encountered during the development and implementation of their projects.

NURS 7257 - Health Care Management (3 Credit Hours)

This course provides students with a strong foundation in the concepts of strategic organizational management in relation to advanced nursing practice in current and emerging health care practice. Students will learn theories of organizational and resource management as well as the processes of performance appraisal and strategic planning for quality assurance and improvement and managing risk at a systems level. It will also enable students to develop plans for innovative new business ideas to address the changing demands of the health care system.

NURS 7258 - Advanced Practice Nursing Practicum (6 Credit Hours)

This course provides the student with terminal clinical practicum experiences in preparation for graduation from an advanced practice program. In preparation for employment interviews portfolios are compiled and evaluated for integration of advanced practice knowledge and skills in assessment, diagnosis, interventions and evaluation of outcomes for patients, families, communities, and/or systems. Students are provided information that will allow them to explore the full scope of responsibility inherent in the APN role. Students are expected to embrace the full scope of advanced practice nursing practice in conjunction with a preceptor. Students apply evidence-based practice knowledge and skills in collaborative settings that support interprofessional learning and practice.

NURS 7300 - Integrated Healthcare Mental Health (3 Credit Hours)

This course will apply and integrate biopsychosocial concepts and principles to the nursing process for individuals and groups. Previous course knowledge and communication skills will provide a theoretical foundation in mental health promotion, illness prevention and maintenance of the client's (individual, family, group or community) function. During the clinical segment, the student will be responsible for the clinical management of comprehensive client care along the continuum of care in multiple mental health settings.

NURS 7310 - Group Approaches in Mental Health-Psychiatric Nursing (3 Credit Hours)

The course will present theoretical concepts basic to group interventions in Mental Health-Psychiatric nursing practice. Theories of group therapy will be analyzed with strong emphasis on group roles, and therapeutic techniques appropriate to the functional level of groups. Community aspects, including the client's sociocultural, ethnic and economic backgrounds will be integrated throughout the course.

Prerequisite(s): NURS7180

NURS 7320 - DNP Project (Product Evaluation/Synthesis) (3 Credit Hours)

This is a companion course to the final clinical practice component. During this course students will critically evaluate the product of their work during the program. They will also have in-depth peer review of their projects. They will discuss alternative approaches, problems and resolutions that they have dealt with during the program. They will critically evaluate the long range benefit of their product and determine how they could have improved on their product.

NURS 7330 - Family Approaches in Mental Health-Psychiatric Nursing (3 Credit Hours)

Course presents theoretical concepts basic to family interventions in advanced mental health-psychiatric nursing practice. Theories of family development, structure, and function are studied. Major theoretical models of family therapy are analyzed with emphasis on systems theory and contextual issues. Community aspects, including the client's sociocultural, ethnic, and economic backgrounds, are integrated throughout the course.

Prerequisite(s): NURS7180

NURS 7348 - Advanced Psychiatric Mental Health Nursing for Individuals Across the Lifespan (3 Credit Hours)

This course presents theoretical concepts and empirical evidence related to psychotherapeutic interventions with selected patient populations across the lifespan. Focus is on evidence-based individual interventions for selected developmental, mental, and substance use conditions across the lifespan.

Corequisite(s): NURS7349

NURS 7349 - Advanced Psychiatric Mental Health Nursing Practice I (2 Credit Hours)

This course provides opportunities to apply the knowledge and skills gained in NURS 7348: Advanced Psychiatric Mental Health Nursing for Individuals Across the Lifespan in clinical practice. Students assess individuals and diagnose mental and substance use disorders across the lifespan. Students select, implement, and evaluate evidence-based educational and psychotherapeutic interventions for children, adolescents, adults, and older adults with selected disorders. Students participate in individual and peer supervision sessions.

Prerequisite(s): NURS7251 >= C; Corequisite(s): NURS7348

NURS 7350 - Psychopharmacotherapeutics for Advanced Practice Nursing (2 Credit Hours)

Course presents theoretical and clinical concepts applicable to psychopharmacology and pharmacotherapeutics in advanced nursing practice. Focus is on evidence-based pharmacological treatments for clients with mental health/substance use disorders, and integration of mental and physical health assessment in designing, implementing, monitoring, and evaluating individual responses to psychopharmacological interventions. The course emphasizes evidence-based approaches to patient education about specific diagnoses and medications. Special programs related to various age groups are considered.

NURS 7351 - Psychopharmacotherapeutics Practicum for Advanced Practice Nursing (2 Credit Hours)

Prerequisite: NURS 7470 and NURS 7460. Corequisite: NURS7470.

This course provides opportunities to apply concepts from courses in advanced health assessment, diagnostic reasoning, advanced pharmacology and psychopharmacology in a mental health-psychiatric nursing practicum. Emphasis is on nursing assessment, diagnosis, and management of individuals with mental health and/or substance use disorders, with a strong emphasis on patient-education. Students will apply evidence-based practice guidelines to select and manage medications, monitor therapeutic and adverse reactions to medications, and evaluate treatment response.

Prerequisite(s): NURS7470 and NURS7460

NURS 7352 - Advanced Psychiatric Mental Health Nursing for Families and Groups Across the Lifespan (3 Credit Hours)

This course presents theoretical concepts and empirical evidence related to family and group interventions with selected patient populations across the lifespan. Focus will be on evidence-based practices for family and group interventions. Major theoretical models of family therapy are analyzed with emphasis on systems theory and contextual issues. Models of group therapy are examined, with emphasis on group leadership styles, group roles, and therapeutic techniques appropriate to the purpose and composition of therapeutic groups. Influence of individual client factors and group characteristics on group process and function are examined throughout the course. Community aspects, including the client's sociocultural, ethnic, and economic backgrounds are integrated throughout the course.

Prerequisite(s): NURS7250 and NURS7348; Corequisite(s): NURS7354

NURS 7354 - Advanced Psychiatric Mental Health Nursing Practice II (3 Credit Hours)

This course provides opportunities to apply knowledge and skills gained in NURS 7352 to clinical practice. The focus is on evidence-based practices for family and group therapy interventions for clients with selected mental and substance use disorders. Students assess individuals and families, and select appropriate educational and psychotherapeutic intervention for couples and/or families with mental health or substance use conditions. Students implement and evaluate evidence-based treatments for families across the lifespan. Students participate in group therapy as leader or co-leader of educational, skill-building, support, or therapy groups. Students participate in at least one group for children or adolescents and at least one psychotherapy therapy group for adults. Students participate in individual peer group supervision sessions facilitated by faculty and/or preceptors.

Prerequisite(s): NURS7250 and NURS7348 and NURS7349; Corequisite(s): NURS7352

NURS 7357 - Mental Health Promotion and Integrated Practice (1 Credit Hour)

This course provides opportunities to apply the knowledge and skills gained in NURS 6970 in clinical practice. Students observe individuals across the lifespan, assess vulnerabilities and risks for atypical development, and mental and substance use conditions. Students select, implement, and evaluate evidence-based mental health promotion strategies and preventive interventions for at-risk children, adolescents, adults, and older adults in primary care and integrated health care settings. Students participate in individual and peer supervision sessions.

Corequisite(s): NURS6970

NURS 7400 - Integrated Healthcare Women Children and Family Health (4 Credit Hours)

This course will build on previous course knowledge and will provide a theoretical foundation for health promotion, illness prevention, and maintenance of women throughout the lifespan (pregnancy, birth, postpartum, and interconceptional periods). This course will also build on previous course knowledge and provide a theoretical foundation in health promotion, illness prevention, and maintenance of children and family function in health and illness. During the clinical segment, the student will be responsible for the clinical management of comprehensive client care along the continuum of care in multiple settings.

Prerequisite(s): NURS6100 >= C and NURS6200 >= C and NURS6700 >= C and NURS7001 >= C;

Corequisite(s): NURS7215

NURS 7420 - Clinical Reasoning and Differential Diagnosis for Advanced Practice Nurses (2 Credit Hours)

This course builds on knowledge of advanced health assessment, with a focus on clients commonly seen in the family and pediatric practice settings. It focuses on diagnostic reasoning as a framework to synthesize knowledge for comprehensive assessment of primary care patients throughout the life span. Advanced health assessment techniques are emphasized and refined. Diverse types of approaches are used in expanding proficiency in conducting histories and physical examinations in laboratory and clinical settings including communication techniques unique to the specialty population. Systematic and organized health assessments that are sensitive to cultural and developmental needs are explored.

Grade Mode: Audit, Normal (A, B, C, D, F)

NURS 7425 - Advanced Pathophysiology (4 Credit Hours)

This course provides graduate students with an overview of central concepts of pathophysiology including an understanding of the management of common health problems, disease processes, and syndromes. The primary focus is to provide a foundation for differential diagnosis, clinical decision-making, and management of individual and family health problems.

NURS 7430 - Pharmacology for Advanced Practice Nurses (3 Credit Hours)

Course focuses on examination of the major categories of pharmacological agents and application of pharmacological concepts in the clinical practice setting. Emphasis is placed on understanding the physiological action of the drugs, expected patient responses and major effects. This course is prerequisite for clinical courses that integrate the knowledge of pharmacotherapeutics into effective nursing practice.

Prerequisite(s): NURS7390 >= C

NURS 7440 - Theory and Research in Advanced Nursing Practice (3 Credit Hours)

Course examines theoretical foundations of nursing and use of research findings in advanced nursing practice. Concepts, theories and models related to health of individuals and families are critically analyzed. Development of a scientific base for advanced nursing practice is emphasized.

NURS 7441 - Advanced Nursing Research (2 Credit Hours)

NURS 7442 - Theory for Advanced Practice Nurses (2 Credit Hours)

This course is part of the core foundation of courses for all master's nursing curricula. This course provides an understanding of the role of theory in shaping research and practice in health and nursing. The basic elements of theory, theory development, and critique are discussed. Theories as they relate to health and human functioning of individual, family, and group client systems across the life span are explored. Examples of grand, middle-range, and practice level theory from nursing and related disciplines are examined. In addition, developmental, structural, functional, and interactional theories and related research data are analyzed and critiqued. These theories from nursing and related disciplines are used as a guide for therapeutic nursing interventions.

NURS 7443 - Advanced Nursing Research (2 Credit Hours)

Advanced Nursing Research (2-0-0-2). This course addresses the scientific methods, research, clinical and ethical issues associated with the application of evidence-based practice (EBP) to nursing and other healthcare problems.

NURS 7450 - Advanced Practice Nursing Roles in Society (3 Credit Hours)

Students explore components and variations of the advanced practice role. Legal definitions and professional interpretations of advanced practice nursing are examined in relation to healthcare outcomes, resource allocation and cost effectiveness.

NURS 7460 - Diagnostic and Clinical Reasoning for Advanced Practice Nurses (3 Credit Hours)

This course focuses on diagnostic reasoning as a framework to synthesize knowledge for comprehensive assessment of primary care patients throughout the life span. Advanced health assessment techniques are emphasized and refined. Diverse types of approaches are used in expanding proficiency in conducting histories and physical examinations in laboratory and clinical settings including communication techniques unique to the specialty population. Systematic and organized health assessments that are sensitive to cultural and developmental needs are explored.

Additional Course Fee: Nursing Skills Lab Fee (ACNP, NP, DNP, PNP) - \$150 Flat Fee

NURS 7465 - Advanced Studies in Lifespan Development (2 Credit Hours)

This course is designed to prepare advanced practice nurses to describe and analyze the biological, cognitive, and socio-emotional development individuals from birth to death. The analysis of interactions between individuals at different stages of development in families, groups, and society will be emphasized.

NURS 7470 - Advanced Health Assessment (3 Credit Hours)

This course in health assessment expands the nurse's knowledge of cognitive processes and psychomotor skills needed for comprehensive assessment of clients across the lifespan. Techniques and processes of performing a physical, mental, developmental, and nutritional assessment, obtaining a health history, performing selected diagnostic procedures, and recording findings are conducted. Interviewing skills that enable the nurse to relate to various clients across the lifespan are refined. Additional Course Fee: Nursing Skills Lab Fee (ACNP, NP, DNP, PNP) - \$150 Flat Fee

NURS 7472 - Advanced Professional Health Assessment (3 Credit Hours)

This course will build upon the professional nurse's basic educational background skills in health assessment. The theoretical and clinical basis for an advanced health assessment across the lifespan will be developed. Emphasis is placed on health promotion, disease prevention, and risk assessment. Prerequisite(s): NURS6100 >= C

NURS 7475 - Population Health and Emerging Disease (2 Credit Hours)

This course strengthens students' capacity to integrate and apply public health concepts and epidemiologic methods to improve population health. The theory and scope of public health practice are analyzed in the context of the complex interplay between science, law, policy, and ethics. Students synthesize and apply public health concepts (e.g., population perspective, health promotion and prevention, determinants of health) and methods, (e.g., policy/advocacy/epidemiology/quality improvement/program planning).

NURS 7490 - Psychiatric Mental Health Nurse Practitioner Practicum (4 Credit Hours)

Prerequisites: All courses in the major. Course provides opportunities to apply the knowledge and skills gained in the preceding courses to clinical practice. Focus is on designing, implementing, and evaluating the psychiatric mental health nurse practitioner role with individuals across the lifespan in selected settings. The role of the psychiatric mental health nurse practitioner in psychiatric emergencies and in integrated care settings is included.

NURS 7491 - Advanced Practice in Mental Health-Psychiatric Nursing Practicum (1 to 3 Credit Hours)

Prerequisites: APN core courses, NURS 7250, NURS 7348. Course provides an opportunity to apply the knowledge and skills gained in the preceding courses to clinical practice. The focus is on designing, implementing, and evaluating the advanced practice psychiatric nursing role in selected settings. Students may choose a primary care setting to focus on integration of mental health and primary care, or a specialty setting in which to develop additional competence in a psychotherapeutic modality. Prerequisite(s): NURS7250 and NURS7348

NURS 7500 - Leading Teams to Promote Quality and Safety (2 Credit Hours)

This course presents theories, concepts and models essential to developing leadership and management skills needed to collaborate with healthcare providers and community members. The student will apply and integrate creative and effective strategies for managing and leading in the delivery of nursing care. Opportunities exist for students to synthesize and integrate past principles and concepts into the development of the clinical nurse leader role. Concepts related to safety, quality, leadership and management of teams, policy, resource utilization, planning/evaluating services, root cause analysis, and outcomes are critically examined.

Prerequisite(s): NURS6600 and NURS6700 and NURS6990 and NURS7000

NURS 7520 - Advanced Practice in Parent-Child Nursing (6 Credit Hours)

The purpose of this last course in the series for advanced practice parent-child nursing is to provide a concentrated clinical experience (225 clock hours). Students refine advanced practice skills in clinical decision making, expert-collaborative care, case management, change agency, research utilization, and/or educational interventions. Seminars will be scheduled to discuss issues related to advanced practice.

Prerequisite(s): NURS7500 >= C

NURS 7550 - Leadership in Interprofessional Collaboration and Health Care (2 Credit Hours)

This course is designed to prepare the student to identify and utilize leadership roles as a basis for improving health care outcomes through interprofessional collaboration on a local, regional, and national level.

NURS 7600 - Nursing Management of Complex Health Alterations Across the Lifespan (4 Credit Hours)

This course focuses and provides the theoretical and functional base for the complex management of clients with complicated, multi-system health problems.

Prerequisite(s): NURS7215 >= C

NURS 7710 - Assessment and Management of Acute Health Problems for Acute Care Nurse Practitioners (ACNP I) (5 Credit Hours)

This initial course into the acute care nurse practitioner role focuses on the synthesis of advanced assessment and clinical decision making for patients with complex needs in the acute care setting.

Prerequisite(s): NURS7471 and NURS7390

NURS 7712 - PACE: Assessment and Management of Acute Health Problems for ACNP I (9 Credit Hours)

This accelerated course is designed as online modules for post masters clinical nurse specialists or nurse practitioners to be board-eligible for the acute care nurse practitioner (ACNP) certification exam. This last course focuses on the advanced assessment and clinical decision-making based on scientific evidence for patients with complex needs in the acute care setting.

Corequisite(s): NURS7390, NURS7470

NURS 7716 - Assessment and Management of Acute Health Problems for CCNS I (6 Credit Hours)

This initial course into the acute and critical care clinical nurse specialist role focuses on the synthesis of advanced assessment and clinical decision making for patients with complex needs in the acute care setting. The CCNS competencies and spheres of influence with patients, families, and systems are introduced utilizing the AACN Synergy Model as a foundation for contemporary CCNS practice.

Prerequisite(s): NURS7390 and NURS7470

NURS 7717 - Research-based Interventions for Acute and CCNS Specialists in Collaborative Patient Care (CCNS II) (6 Credit Hours)

This second-level acute and critical care clinical nurse specialist course focuses on the scientific basis of interventions for complex, acutely ill individuals. The clinical practicum provides opportunities to: participate in collaborative practice on a multi-disciplinary health care team; determine appropriate interventions; utilize expanded practice skills; and evaluate outcomes for the acutely ill. The clinical practicum integrates CCNS competencies and spheres of influence with patients, families and systems by utilizing the AACN Synergy Model as a basis for contemporary CCNS practice.

Prerequisite(s): NURS7390 and NURS7430 and NURS7470 and NURS7716

NURS 7718 - Clinical Therapeutics for the Acute and CCNS (III) (6 Credit Hours)

This third level acute and critical care clinical nurse specialist course focuses on the application of all previous course work in the comprehensive management of complex, acutely ill individuals. This fosters mastery of CCNS skills and knowledge needed in assessment, collaborative care planning, selection of therapeutic intervention, and evaluation of outcomes of acute and chronically ill. The clinical practicum integrates CCNS competencies and spheres of influence with patients, families and systems utilizing the AACN Synergy Model as a basis for contemporary CCNS practice.

Prerequisite(s): NURS7390 and NURS7430 and NURS7470 and NURS7717

NURS 7720 - Research-Based Interventions for Acute Care Nurse Practitioners in Collaborative Patient Care ACNP II (5 Credit Hours)

This second level acute care nurse practitioner course focuses on the scientific basis of interventions for complex, acutely ill individuals. The clinical practicum provides opportunities to: participate in collaborative practice on a multi-disciplinary healthcare team; determine appropriate interventions; utilize expanded practice skills; and evaluate outcomes for the acutely ill.

Prerequisite(s): NURS7471 and NURS7390 and NURS7430 and NURS7710

NURS 7722 - PACE: Assessment and Management of Acute Health Problems for ACNP II (9 Credit Hours)

This accelerated course is designed as online modules for post masters clinical nurse specialists or nurse practitioners to be board-eligible for the acute care nurse practitioner (ACNP) certification exam. This last course focuses on the advanced assessment and clinical decision-making based on scientific evidence for patients with complex needs in the acute care setting.

Prerequisite(s): NURS7712

NURS 7725 - Adult-Gerontology ACNP III: Adv Clin Concepts in Crit Illness and Prof Role Dev for the Adult-Ger (6 Credit Hours)

The third acute care clinical course focuses on application of previous coursework in the management of highly complex, acutely ill adults and elderly individuals. The clinical experience fosters synthesis of skills needed in assessment, selection of therapeutic interventions, and evaluation of patient outcomes to ensure optimal clinical outcomes. Professional issues relevant to the adult gerontology acute care nurse practitioner will be explored.

Prerequisite(s): NURS7724

NURS 7726 - Advanced Clinical Therapeutics and Diagnostics for the ACNP (1 Credit Hour)

This course is designed to introduce students to diagnostic and therapeutic procedures commonly used in the management of adults and elderly clients in the acute care setting. Students will learn interpretation of common diagnostic testing in the acute care setting. Indications, contraindications, interpretations, risks, complications, and expected clinical outcomes of common procedures utilized in the acute care setting in an active learning environment using simulation. Students will have opportunities to develop and practice skills such as Chest X-ray and 12 lead EKG interpretation, suturing, endotracheal intubation, and central line placement and apply these skills in realistic and complex simulated clinical scenarios. Students will also be able to evaluate their own performance and receive feedback from peers and expert faculty in a safe environment.

Prerequisite(s): NURS7470 and NURS7390

NURS 7730 - Clinical Therapeutics for the Acute Care Nurse Practitioner (ACNP III) (5 Credit Hours)

This third level acute care nurse practitioner course focuses on the application of all previous course work in the comprehensive management of complex, acutely ill individuals. This fosters mastery of skills needed in assessment, diagnosis, collaborative care planning, selection of therapeutic intervention, and

evaluation of outcomes.

Prerequisite(s): NURS7471 and NURS7390 and NURS7430 and NURS7720

NURS 7740 - Acute Care Nurse Practitioner Practicum (ACNP IV) (5 Credit Hours)

This final acute care nurse practitioner course focuses on the application of all previous course work in the comprehensive management of complex, acutely ill individuals. This fosters refinement of skills needed in assessment, diagnosis, collaborative care planning, selection of therapeutic intervention, and evaluation of outcomes. This precepted experience gives the student responsibility for the managing episodes of acute/critical care; utilizing all available resources throughout the health care continuum.

Prerequisite(s): NURS7471 and NURS7390 and NURS7430 and NURS7730

NURS 7800 - Synthesis of the Clinical Nurse Leader Role in Practice (11 Credit Hours)

This course focuses on the synthesis of principles of professional nursing practice into the integration of the clinical nurse leader role. The student will be provided with concentrated clinical experience and will be immersed in the clinical setting. During the clinical experience, students will collaborate with nurse preceptors and will focus on: leadership, management (delegation and coordination), information management, outcomes, evidence-based clinical decision-making, scholarship, fiscal management and accountability (implementing cost effectiveness strategies), and interdisciplinary collaboration

Prerequisite(s): NURS7215 >= C and NURS7500 >= C

NURS 7801 - Synthesis of Clinical Nurse Leader Role in Practice (9 Credit Hours)

This course focuses on the synthesis of principles of professional nursing practice into the integration of the clinical nurse leader role. The student will be provided with concentrated clinical experience and will be immersed in the clinical setting. During the clinical experience, students will collaborate with nurse preceptors and will focus on: leadership, management (delegation and coordination), information management, outcomes, evidenced-based clinical decision-making, scholarship, fiscal management and accountability (implementing cost effectiveness strategies), and interdisciplinary collaboration.

Prerequisite(s): (NURS7215 >= C and NURS7500 >= C)

NURS 7830 - Advanced Anatomy and Physiology for Nursing Anesthesia (4 Credit Hours)

Advanced physiological principles and interrelationships of body systems as well as normal human anatomy within the context of nurse anesthesia practice will be explored in this graduate level course. Topics are organized to provide the nurse anesthesia student with an in depth understanding of the function and regulation of body systems to maintain homeostasis. Emphasis is placed on the integration of the structure and functional systems within the human body. The course content ranges from cellular mechanisms to the major body organ systems, providing the basis for understanding physiologic derangements.

Additional Course Fee: Anatomy Lab Supplies Fee (DNP/Nurse Anesthesia Students Only) - \$100 Flat Fee

NURS 7831 - Advanced Pharmacology for Nursing Anesthesia I (3 Credit Hours)

This advanced course provides the student a strong foundation in pharmacology and its application in the advanced practice role of nurse anesthesia. An in-depth and comprehensive exploration of advanced scientific-based pharmacological principles including pharmacokinetics, pharmacodynamics, and pharmacogenetics of inhaled and injected drugs commonly used in advanced nurse anesthesia practice are emphasized throughout the course.

NURS 7832 - Clinical Chemistry and Physics for Nursing Anesthesia Practice (2 Credit Hours)

This course addresses specific relationships interconnecting chemistry, physics, and clinical nurse anesthesia practice. Concepts of physical chemistry, organic chemistry, and biochemistry and modern biophysics are discussed in relation to the practice of anesthesia. Emphasis will be on the integration and

practical application of these principles to nurse anesthesia practice.

NURS 7833 - Advanced Pathophysiology for Nursing Anesthesia (3 Credit Hours)

This advanced level course is designed to provide nurse anesthesia students with a comprehensive overview of central concepts of pathophysiology and their application in the advanced practice role of nurse anesthesia. An in-depth exploration of the diagnosis and management of common health problems, disease processes, and syndromes will be discussed. Emphasis will be placed on providing a foundation for differential diagnosis, perianesthetic decision-making, and anesthetic management.

Prerequisite(s): NURS7830 >= B

NURS 7834 - Basic Principles of Nursing Anesthesia (4 Credit Hours)

This course provides the nurse anesthesia student with a general introduction to the basic principles of nurse anesthesia practice. A comprehensive overview of professional aspects and fundamental anesthetic principles related to vigilant nurse anesthesia practice are presented and provide a strong foundation that is essential for the student to provide safe, vigilant, effective, and individualized anesthesia management plans. Basic principles of preoperative patient assessment, anesthesia planning, operating-room preparation, interpretation of pertinent patient findings, lab results, acid-base balance and blood gas analysis, and required documentation for safe anesthesia management is the focus of the course. An overview of the development of anesthesia as an advanced practice-nursing specialty will also be offered. Emphasis is placed on those factors that shape the practice environment of the nurse anesthetist: qualifications and scope of practice, professional role, commitment to the profession, professional organizations, the U.S. legal system, history, professional standards, code of ethics, political and practice challenges, global health issues, multiculturalism and culturally competent care, and the concept of caring and wellness with the goal of developing vigilant providers that practice with high integrity.

Prerequisite(s): NURS7831 >= B

NURS 7835 - Advanced Principles of Nursing Anesthesia I (4 Credit Hours)

This course is designed to provide the student with a comprehensive overview of advanced principles and techniques essential to planning and safely administering sound, evidence-based anesthesia to patients with common and complex patient morbidities undergoing various surgical, diagnostic, or therapeutic procedures. Emphasis is placed on patient assessment, anesthetic management, and associated technology integral to each procedure. Simulation-based methodologies are heavily integrated into the course, providing that the student a simulated anesthetizing environment for application and synthesis of advanced anesthesia principles to operationalize theoretical and critical thinking concepts. Lecture topics will be assimilated into high fidelity simulation scenarios to prepare the student for clinical residency courses. Students will develop problem solving and decision-making skills during all phases of anesthetic management by participating in case preparation and discussions, actual management of selected case scenarios, and review and discussion of their performance.

Prerequisite(s): NURS7834 >= B

NURS 7836 - Techniques and Technologies in Nursing Anesthesia I (4 Credit Hours)

This course provides the student with a comprehensive overview of the design and utilization of the anesthesia delivery system, biomedical instrumentation, and monitoring modalities commonly used in nurse anesthesia practice. Monitors and equipment utilized are studied with respect to principles of operation, calibration, and interpretation of data. Emphasis will be placed on application of the scientific principles, vaporization, explosion hazards, electrical safety, and the provision of safe anesthesia care. In-depth study on airway anatomy and management is also emphasized. Course material encompasses recognition of the difficult airway, the ASA Difficult Airway Algorithm, physiologic response to intubation, fiber-optic techniques, retrograde techniques, and the surgical airway. This course also includes practice in and evaluation of task specific skills utilizing skill trainers and simulation to maximize students' direct contact to the instrumentation of the profession with the goal of developing vigilant providers that practice with high integrity.

Prerequisite(s): NURS7834 >= B

NURS 7837 - Nursing Anesthesia Clinical Practicum I (8 Credit Hours)

This first clinical course is designed to allow the student to utilize the didactic and simulation concepts received during the first four semesters of the nursing anesthesia program to develop and manage a comprehensive anesthetic plan that encompasses the patient's social, physical, and mental health. These clinical experiences will occur in collaboration with a certified registered nurse anesthetist and/or anesthesiologist.

Prerequisite(s): NURS 8361 >= B and NURS 8362 >= B

NURS 7900 - Professionalism and Transition to Nursing Practice (3 Credit Hours)

This hybrid course is an intensive review of key nursing concepts and skills to prepare CNL graduates for NCLEX success and transition into professional nursing practice. Emphasis is on professional development, critical thinking, NCLEX test-taking strategies and reinforcement of basic nursing skills and mastery of critical concepts learned throughout the curriculum.

Prerequisite(s): (NURS7100 >= C and NURS7215 >= C and NURS7400 >= C)

NURS 7950 - Advanced Acute Care in Adult Health (3 Credit Hours)

This course is designed to enable students to acquire in-depth knowledge and skills related to adult acute care nursing specialty area. Clinical experience focuses on case management in a variety of sub-acute and acute care settings. The specialty area is mutually selected by the student and course faculty. Students apply knowledge of advanced pathophysiology, pharmacology, health assessment, nursing interventions, theory and research to the care of adults and their families experiencing health problems within a chosen acute/subacute specialty area. The seminar component of the course is designed to develop clinical decision-making skills through case study presentation. Students will be given the opportunity to submit a clinical paper for peer review.

NURS 7965 - Seminar in Nursing (1 to 5 Credit Hours)

A faculty member offers a seminar on a special topic for two or more students.

Grade Mode: Normal (A, B, C, D, F), Satisfactory/Unsatisfactory

NURS 7970 - Laboratory and Diagnostic Tests in Advanced Practice (3 Credit Hours)

This course builds on undergraduate knowledge of basic normal and abnormal laboratory findings. More specifically, this course is designed to enable students to acquire advanced in-depth knowledge and skills related to proper laboratory and diagnostic testing for acute diseases/conditions. Opportunities are provided for students to synthesize knowledge regarding laboratory and diagnostic test usages in order to make decisions regarding diagnosis and evaluation of patient progress.

Prerequisite(s): NURS7390 >= C and NURS7470 >= C

NURS 7985 - Independent Study - DNP (1 to 3 Credit Hours)

This course provides an individual student with the opportunity to study further a topic introduced in earlier coursework, or pursue an area of interest (compatible with the area of concentration) for which course work is not available.

NURS 7990 - Independent Study (1 to 6 Credit Hours)

This course enables the student to pursue a specified area of study which supports the student's program of study. Teaching strategies include dyadic modalities; no clinical.

NURS 7991 - Independent Study (1 to 6 Credit Hours)

This course enables the student to pursue a specified area of study which supports the student's program of study. Teaching strategies include dyadic modalities; no clinical.

NURS 7992 - Independent Study (1 to 6 Credit Hours)

This course enables the student to pursue a specified area of study which supports the student's program of study. Teaching strategies include dyadic and clinical experiences

NURS 8100 - Seminar in Academic Career Development (2 Credit Hours)

This course explores the multi-faceted roles of nursing faculty, with specific emphasis on career development and teaching effectiveness.

NURS 8140 - Responsible Conduct of Research (1 Credit Hour)

This course will provide an overview, via lecture and discussion, of critical issues related to the responsible conduct of research. In addition, it will fulfill the requirements established by the national Office of Research Integrity (ORI) Public Health Service (PHS) Policy on Instruction in the Responsible Conduct of Research (December 2000) for ensuring that PHS-supported researchers are provided adequate instruction in conducting responsible research and ensuring integrity of the research record.

NURS 8150 - Scientific Grant Writing I (2 Credit Hours)

The first of two scientific grant writing courses offered to nursing PhD students, this course is designed to give students an overview of scientific grant writing, including its purpose, how to identify granting agencies, components of a research proposal, grant timetables, grantmanship, as well as the peer review process and scoring. Students will participate in a mock peer-review of pre-assigned examples of grant submissions. Following these introductory presentations, faculty will mentor students in developing the initial components of a pre-doctoral grant application, including the candidate history, training plan, investigator biosketches, letters of support, budget and key personnel, scientific literature review, and the significance and innovation sections. After completing these components, faculty will mentor students in outlining and drafting the initial sections of the research proposal, including the specific aims page, approach/methods/analysis sections.

NURS 8160 - Scientific Grant Writing II (2 Credit Hours)

The second of two scientific grant writing courses offered to nursing PhD students, course faculty will mentor students in completing, reviewing, editing, and submitting the pre-doctoral grant application drafted in SGWI. The Center for Nursing Research will sponsor and facilitate extramural mock reviews 6 weeks prior to the grant submission deadline to allow students to benefit from peer-review and feedback.

NURS 8170 - Scientific Grant Writing (3 Credit Hours)

This scientific grant-writing course is designed to mentor PhD nursing students through the grant-writing process and lead to submission of a grant application. Students will be instructed on the grant submission process for funding agencies relative to their specific dissertation project. Under faculty mentorship, students will develop components of a grant, including research training goals/plan, biosketch, specific aims, research strategy (significance and methodological approach), abstract, budget and all additional required attachments relative to institutional and study site information.

Prerequisite(s): (NURS 8510 >= B and NURS 8610 >= B and NURS 8620 >= B)

NURS 8250 - Health Care Policy: Implications for the Advanced Practice Nurse (2 Credit Hours)

National, state, and local health care policy impacts health care at the level of delivery. Health care delivery models and re-imbursement mechanisms will be analyzed from a policy perspective. The relationship between policy and patient care will be examined in areas such as distribution of limited resources, health care disparities, diffusion of technology, and current issues in health care. Students will critically examine a clinical issue, how health policy impacts outcomes and identify strategies to advocate for policy reform.

NURS 8251 - Advanced Scientific Inquiry in Clinical Practice (3 Credit Hours)

This course involves the systematic exploration of the scientific underpinnings of advanced nursing practice. Students will examine recent evidence-based on the scientific knowledge needed for advanced

practice in an area of clinical concentration or phenomenon of interest. Empirical evidence will be searched to answer current and cutting edge questions that are at the core of the discipline of nursing.

NURS 8300 - Nursing Education Practicum (1 to 6 Credit Hours)

This elective course is designed for doctoral students to gain supervised practical experience teaching in a specific area of nursing education in the Bachelor of Science in Nursing (BSN) program or the master's degree nursing program at Augusta University (AU). SACS guidelines for teaching will be followed. The PhD Program Director is responsible for approving the course faculty and the supervised practical experience in nursing education. Students in the Nurse Faculty Loan Program (NFLP) may take this course for partial fulfillment of the NFLP education requirement. Students are encouraged but are not required to take NURS 8100, Seminar in Academic Career Development, before enrolling in this course. *May be repeated for credit.*

NURS 8311 - FNP I: Health Promotion and Primary Care of the Adult (3 Credit Hours)

This course is designed to prepare family nurse practitioner students to assume responsibility for health promotion, health maintenance, disease prevention, and the management of common acute and chronic health problems of adults in primary health care settings. Emphasis is on the family as the basic unit of nursing care. Discussion will include diagnosis and evidence-based management (both non-pharmacologic and pharmacologic) of common health problems. Criteria for consultation and indications for referral along with exploration of available community resources will also be considered.

NURS 8312 - FNP Practice I: for the DNP Program (4 Credit Hours)

This course provides the student with clinical experiences within the scope of the family nurse practitioner centered on health promotion, health maintenance, disease prevention, and the management of common acute and chronic health problems of adults in primary health care settings. Emphasis is on the family as the basic unit of nursing care.

Additional Course Fee: Nursing Skills Lab Fee (ACNP, NP, DNP, PNP) - \$150 Flat Fee

NURS 8313 - FNP Practice I: for Post-Graduate Certificate (3 Credit Hours)

This course provides the student with clinical experiences within the scope of the family nurse practitioner centered on health promotion, health maintenance, disease prevention, and the management of common acute and chronic health problems of adults in primary health care settings. Emphasis is on the family as the basic unit of nursing care.

Additional Course Fee: Nursing Skills Lab Fee (ACNP, NP, DNP, PNP) - \$150 Flat Fee

NURS 8314 - FNP II: Health Promotion and Primary Care of Children (3 Credit Hours)

The course is designed to prepare family nurse practitioner students to assume responsibility for health promotions, maintenance, and management of common acute and chronic health problems of infants, children, and adolescents in primary health care settings. Emphasis is on the description of the condition or disease, etiology and incidence, clinical findings, differential diagnosis, evidence-based management, complications, and preventive and patient education measures. Consideration is given to cultural and ethical issues that affect health care delivery and client adherence to the management plan.

NURS 8315 - FNP Practice II: for DNP Program (4 Credit Hours)

This course provides the student with clinical experiences within the scope of family nurse practitioner centered health promotion, maintenance, and management of common acute and chronic health problems of infants, children, and adolescents in primary health care settings. Emphasis is on the description of the condition or disease, etiology and incidence, clinical findings, differential diagnosis, management, complications, and preventive and patient education measures. Consideration is given to cultural and ethical issues that affect health care delivery and client adherence to the management plan.

NURS 8317 - FNP III: Health Promotion and Primary Care of the Older Adult (3 Credit Hours)

This course is designed to prepare family nurse practitioners to assume responsibility for health promotion, disease prevention, early detection, and management of common acute and chronic health problems of the elderly client and their family. The nurse practitioner's role in promoting successful aging, maintaining function, and promoting self care, through the use of the community, personal, and family resources is stressed. Common geriatric syndromes and problems, including chronic illnesses and their management, are emphasized. Ethical dilemmas that impact the healthcare of the older adult are integrated throughout the course.

NURS 8318 - FNP Practice III: for the DNP Program (3 Credit Hours)

Provides students with clinical experiences within the scope of the family nurse practitioner centered on health promotion, disease promotion, early detection, and management of common acute and chronic health problems of the elderly client and their family. The nurse practitioner's role in promoting successful aging, maintaining function, and promoting self care, through the use of the community, personal, and family resources is stressed. Common geriatric syndromes and problems, including chronic illnesses and their management, are emphasized. Ethical dilemmas that impact the healthcare of the older adult are integrated throughout the course.

NURS 8321 - PNP I: Health Promotion and Supervision: Birth through Adolescence (3 Credit Hours)

This course is designed to prepare pediatric nurse practitioners to assume responsibility for health promotion, health maintenance, and management of children from birth to adolescence. Emphasis is on the child within the framework of the family. Stages of development will be explored from biophysical, cognitive, emotional, and sociocultural perspectives. Discussion will include non-pharmacologic and pharmacologic management including immunizations supporting health promotion. Criteria for consultation and indications for referral along with exploration of available community resources will also be included.

NURS 8322 - PNP Practice I: for the DNP Program (4 Credit Hours)

This course provides the student with clinical experiences within the scope of the pediatric nurse practitioner centered on health promotion, health maintenance, and management of children from birth to adolescence. Emphasis is on the child within the framework of the family. Stages of development will be explored from biophysical, cognitive, emotional, and sociocultural perspectives. Discussion will include non-pharmacologic and pharmacologic management including immunizations supporting health promotion. Criteria for consultation and indications for referral along with exploration of available community resources will also be considered.

Additional Course Fee: Nursing Skills Lab Fee (ACNP, NP, DNP, PNP) - \$150 Flat Fee

NURS 8324 - PNP II: Management of Acute and Common Health Problems of Children from Birth through Adolescence (3 Credit Hours)

This course is designed to prepare pediatric nurse practitioners (PNP) to assume responsibility for health promotion, health maintenance and management of acute and common health problems of children from birth to adolescence. Emphasis is on the child within the framework of the family. Emphasis is on the description of the condition or disease, etiology and incidence, critical findings, differential diagnosis, management, complications, and preventative and patient education measures. Consideration is given to cultural and ethical issues that affect health care delivery and client adherence to management plan. The role of the PNP regarding management, family involvement, health promotion and teaching, health maintenance, and continued collaboration with health professionals will be emphasized.

NURS 8325 - PNP Practice II: for the DNP Program (4 Credit Hours)

This course provides the students with clinical experience within the scope of the pediatric nurse practitioner (PNP) centered on health promotion, health maintenance and management of acute and common health problems of children from birth to adolescence. Emphasis is on the child within the

framework of the family. Emphasis is on the description of the condition or disease, etiology and incidence, clinical findings, differential diagnosis, management, complications, and preventative and patient education measures. Consideration is given to cultural and ethical issues that affect health care delivery and client adherence to the management plan. The role of the PNP regarding management, family involvement, health promotion and teaching, health maintenance, and continued collaboration with health professionals will be emphasized.

NURS 8327 - PNP III: Management of Chronic Health Problems of Children from Birth through Adolescence (3 Credit Hours)

This course is designed to prepare pediatric nurse practitioners (PNP) to identify potential and actual chronic health problems and to provide direct care, teaching, and management to children and families experiencing complex, lifelong processes. Emphasis is on the child within the framework of the family. Emphasis is on the description of the condition or disease, etiology and incidence, clinical findings, differential diagnosis, management, complications, and preventative and patient education measures. Consideration is given to cultural and ethical issues that affect health care delivery and client adherence to the management plan. The role of the PNP regarding management, family involvement, health promotion and teaching, health maintenance, and continued collaboration with health professionals will be emphasized.

NURS 8328 - PNP Practice III: for the DNP Program (3 Credit Hours)

This course provides the student with clinical experience within the scope of the pediatric nurse practitioner (PNP). Clinic experiences are designed to prepare pediatric nurse practitioners to identify potential and actual chronic health problems and to provide direct care, teaching, and management to children and families experiencing complex, lifelong processes. Emphasis is on the child within the framework of the family. Emphasis is on the description of the condition or disease, etiology and incidence, clinical findings, differential diagnosis, management, complications, and preventative and patient education measures. Consideration is given to cultural and ethical issues that affect health care delivery and client adherence to the management plan. The role of the PNP regarding management, family involvement, health promotion and teaching, health maintenance, and continued collaboration with health professionals will be emphasized.

NURS 8331 - Adult Gerontology ACNPI: Health Promotion and Management of Chronic Disease in the Adult and Older Adult (3 Credit Hours)

Prepares adult gerontology acute care nurse practitioner students to assume responsibility for health promotion, health maintenance, disease prevention, and the management of stable common acute and chronic health problems of adults and older adults. Discussion includes evidence-based non-pharmacologic and pharmacologic management of common health problems in the adult and older adult population. Criteria for consultation and indications for referral along with exploration of available community resources is also considered.

NURS 8332 - Adult Gerontology ACNP Practice I: for the DNP Program (4 Credit Hours)

This course provides the student with clinical experiences to prepare adult gerontology acute care nurse practitioners to assume responsibility for health promotion, health maintenance, disease prevention, and the management of common acute and chronic health problems of adults and older adults. Discussion will include non-pharmacologic and pharmacologic management of common health problems in the adult and older adult population. Criteria for consultation and indications for referral along with exploration of available community resources will also be considered.

Corequisite(s): NURS 8331; Additional Course Fee: Nursing Skills Lab Fee (ACNP, NP, DNP, PNP) - \$150 Flat Fee

NURS 8333 - Adult Gerontology ACNP Practice I: for Post-Graduate Certificate (3 Credit Hours)

This course provides the student with clinical experiences to prepare adult gerontology acute care nurse

practitioners to assume responsibility for health promotion, health maintenance, disease prevention, and the management of common acute and chronic health problems of adults and older adults. Discussion will include non-pharmacologic and pharmacologic management of common health problems in the adult and older adult population. Criteria for consultation and indications for referral along with exploration of available community resources will also be considered.

Corequisite(s): NURS 8331; Additional Course Fee: Nursing Skills Lab Fee (ACNP, NP, DNP, PNP) - \$150 Flat Fee

NURS 8334 - Adult Gerontology ACNP II: Evidence-based Management For Urgent And Emergent Health Problems In Adult (3 Credit Hours)

The second AG-ACNP clinical course focuses on the assessment and management of adults and older adults with urgent and emergent health conditions. Students strengthen their understanding of foundational physiologic concepts through application of care to clients with decreased stability and resiliency with complex disease. Analysis, synthesis and critique of the latest research facilitate students understanding and ability to provide up-to-date, evidence-based care.

NURS 8335 - Adult Gerontology ACNP Practice II: for the DNP Program (4 Credit Hours)

This course provides the student with clinical experiences to apply and synthesize advanced practice nursing knowledge and skills with adults and older adults with complex urgent and emergent health care needs.

Additional Course Fee: Nursing Skills Lab Fee (ACNP, NP, DNP, PNP) - \$150 Flat Fee

NURS 8337 - Adult Gerontology ACNP III: Advanced Concepts In Complex Illness (3 Credit Hours)

The third acute care clinical course builds on application of previous coursework and in the evidence-based management of highly complex, acutely ill adult and older adult patients. Focus on making decisions in a rapidly changing clinical environment considering patient, family, and systems level issues is emphasized.

NURS 8338 - Adult Gerontology ACNP Practice III: for the DNP Program (3 Credit Hours)

This course provides the student with clinical experiences to apply and synthesize evidence-based advanced practice nursing knowledge and skills with adults with complex and rapidly changing health care needs.

NURS 8340 - Theoretical Foundations for Advanced Practice Psychiatric Mental Health Nursing Across the Lifespan (3 Credit Hours)

This course provides an orientation to the professional and scientific foundations of advanced practice psychiatric nursing across the lifespan. The evolving role of advanced practice psychiatric nurses is placed in the context of the current health care system. Focus is on explanatory models of mental health and psychiatric mental health nursing across the lifespan. The course will emphasize research evidence from genetics, epidemiology, neurosciences, and behavioral sciences underlying mental health promotion and preventive interventions, and evidence-based treatments for psychiatric and substance use conditions. Translation of evidence in advanced practice psychiatric nursing is emphasized.

NURS 8341 - Advanced Psychiatric Mental Health Nursing for Individuals Across the Lifespan (3 Credit Hours)

This course presents theoretical concepts and empirical evidence related to psychotherapeutic interventions with selected patient populations across the lifespan. Focus is on evidence-based individual interventions for selected developmental, mental, and substance use conditions across the lifespan.

NURS 8342 - PMHNP Practice I: for the DNP Program (4 Credit Hours)

This course provides opportunities to apply the knowledge and skills gained in NURS 7348 in clinical practice. Students assess individuals and diagnose mental and substance use disorders across the lifespan. Students select, implement and evaluate evidence-based educational and psychotherapeutic interventions for children, adolescents, adults, and older adults with selected disorders. Students participate in individual and peer supervision sessions.

Additional Course Fee: Nursing Skills Lab Fee (ACNP, NP, DNP, PNP) - \$150 Flat Fee

NURS 8344 - Advanced Psychiatric Mental Health Nursing for Families and Groups Across the Lifespan (3 Credit Hours)

This course presents theoretical concepts and empirical evidence related to family and group interventions with selected patient populations across the lifespan. Focus will be on evidence-based practices for family and group interventions. Major theoretical models of family therapy are analyzed with emphasis on systems theory and contextual issues. Models of group therapy are examined, with emphasis on group leadership styles, group roles, and therapeutic techniques appropriate to the purpose and composition of therapeutic groups. Influence of individual client factors and group characteristics on group process and function are examined throughout the course. Community aspects, including the client's sociocultural, ethnic, and economic backgrounds are integrated throughout the course.

NURS 8345 - PMHNP Practice II: for the DNP Program (4 Credit Hours)

This course provides opportunities to apply knowledge and skills gained in NURS 8342 to clinical practice. The focus is on evidence-based practices for family and group therapy interventions for clients with selected mental and substance use disorders. Students assess individuals and families, and select appropriate educational and psychotherapeutic interventions for couples and/or families with mental health or substance use conditions. Students implement and evaluate evidence-based treatments for families across the lifespan. Students participate in group therapy as leader or co-leader of educational, skill building, support, or therapy groups. Students participate in at least one group for children or adolescents, and at least one psychotherapy therapy group for adults. Students participate in individual and peer group supervision sessions facilitated by faculty and/or preceptors.

Prerequisite(s): NURS 8341 >= B and NURS 8342 >= S; Corequisite(s): NURS 8344

NURS 8348 - PMHNP Practice III: for the DNP Program (3 Credit Hours)

This course provides opportunities to apply knowledge and skills gained in NURS 7352 to clinical practice. The focus is on evidence-based practices for family and group therapy interventions for clients with selected mental and substance use disorders. Students assess individuals and families, and select appropriate educational and psychotherapeutic interventions for couples and/or families with mental health or substance use conditions. Students implement and evaluate evidence-based treatments for families across the lifespan. Students participate in group therapy as leader or co-leader of educational, skill building, support, or therapy groups. Students participate in at least one group for children or adolescents, and at least one psychotherapy therapy group for adults. Students participate in individual and peer group supervision sessions facilitated by faculty and/or preceptors.

Prerequisite(s): NURS 8345 >= S

NURS 8350 - PMHNP Practice I: for Accelerated Post-Graduate Certificate (3 Credit Hours)

This course provides opportunities to apply the knowledge and skills gained in NURS 8341 in clinical practice. Students assess individuals and diagnose mental and substance use disorders across the lifespan. Students select, implement and evaluate evidence-based educational and psychotherapeutic interventions for children, adolescents, adults, and older adults with selected disorders. Students participate in individual and peer supervision sessions.

Corequisite(s): NURS 8341

NURS 8351 - PMHNP Practice II: for Accelerated Post-Graduate Certificate (3 Credit Hours)

This course provides opportunities to apply knowledge and skills gained in NURS 8344 to clinical practice. The focus is on evidence-based practices for family and group therapy interventions for clients with selected mental and substance use disorders. Students assess individuals and families, and select appropriate educational and psychotherapeutic interventions for couples and/or families with mental health or substance use conditions. Students implement and evaluate evidence-based treatments for families across the lifespan. Students participate in group therapy as leader or co-leader of educational, skill building, support, or therapy groups. Students participate in at least one group for children or adolescents, and at least one psychotherapy therapy group for adults. Students participate in individual and peer group supervision sessions facilitated by faculty and/or preceptors.

Prerequisite(s): NURS 8341 >= B and NURS 8350 >= B; Corequisite(s): NURS 8344

NURS 8352 - PMHNP Practice III: for Accelerated Post-Graduate Certificate (3 Credit Hours)

Provides opportunities to apply the knowledge and skills gained in the preceding courses to clinical practice. Focus is on designing, implementing, and evaluating the psychiatric mental health nurse practitioner role with individuals across the lifespan in selected settings. The role of the psychiatric mental health nurse practitioner in psychiatric emergencies and in integrated care settings is included.

Prerequisite(s): NURS 8351 >= B

NURS 8353 - FNP Practice II: for Post-Graduate Certificate (3 Credit Hours)

This course provides the student with clinical experiences within the scope of the family nurse practitioner centered on health promotion, maintenance, and management of common acute and chronic health problems of infants, children, and adolescents in primary health care settings. Emphasis is on the description of the condition or disease, etiology and incidence, clinical findings, differential diagnosis, management, complications, and preventive and patient education measures. Consideration is given to cultural and ethical issues that affect families, and health care delivery.

Prerequisite(s): NURS 8311 >= B and NURS 8313 >= B; Corequisite(s): NURS 8314

NURS 8354 - FNP Practice III: for Post-Graduate Certificate (4 Credit Hours)

This course provides the student with clinical experiences within the scope of the family nurse practitioner centered on health promotion, disease prevention, early detection, and management of common acute and chronic health problems of the elderly client and their family. The nurse practitioner's role in promoting successful aging, maintaining function and promoting self care, through the use of the community, personal, and family resources is stressed. Common geriatric syndromes and problems, including chronic illnesses and their management, are emphasized. Ethical dilemmas that impact the healthcare of the older adult are integrated throughout the course.

Prerequisite(s): NURS 8314 >= B and NURS 8353 >= B; Corequisite(s): NURS 8317

NURS 8355 - PNP Practice I: for Post-Graduate Certificate (4 Credit Hours)

This course provides the student with clinical experiences within the scope of the pediatric nurse practitioner centered on preventive health care, health promotion and maintenance, and the health care management of children from birth to adolescence. Emphasis is on the child within the framework of the family. Stages of development will be examined and explored from biological, psychosocial, sociocultural, and environmental influences on the developing child. Consideration is given to cultural and ethical issues that affect children, families, and health care delivery. Discussion will include non-pharmacologic and pharmacologic management including immunizations supporting health promotion. Criteria for consultation and indications for referral along with exploration of available community resources will also be considered.

Corequisite(s): NURS 8321; Additional Course Fee: Nursing Skills Lab Fee (ACNP, NP, DNP, PNP) - \$150 Flat Fee

NURS 8356 - PNP Practice II: for Post-Graduate Certificate (3 Credit Hours)

This course provides the student with clinical experiences within the scope of the pediatric nurse practitioner (PNP) centered on health promotion, health maintenance and management of acute and common health problems of children from birth to adolescence. Emphasis is on the child within the

framework of the family. Emphasis is on the description of the condition or disease, etiology and incidence, clinical findings, differential diagnosis, management, complications, preventive and patient education measures. Discussion will include non-pharmacologic and pharmacologic management of acute and common health problems including immunizations in support of health promotion and maintenance. Consideration is given to cultural and ethical issues that affect children, families, and health care delivery. The role of the PNP regarding management, family involvement, health promotion and teaching, health maintenance, and continued collaboration with health professionals will be emphasized. Prerequisite(s): NURS 8321 >= B and NURS 8355 >= B; Corequisite(s): NURS 8324

NURS 8357 - PNP Practice III: for Post-Graduate Certificate (3 Credit Hours)

This course provides the student with clinical experiences within the scope of the pediatric nurse practitioner (PNP). Clinical experiences are designed to prepare PNP's to identify potential and actual chronic health problems and to provide direct care, teaching, and management to children and families experiencing complex, lifelong processes. Emphasis is on the child within the framework of the family. Emphasis is on the description of the condition or disease, etiology and incidence, clinical findings, differential diagnosis, management, complications, preventive, and patient education measures. Consideration is given to cultural and ethical issues that affect children, families, and health care delivery. The role of the PNP regarding management, family involvement, health promotion and teaching, health maintenance, and continued collaboration with health professionals will be emphasized. Prerequisite(s): NURS 8324 >= B and NURS 8356 >= B; Corequisite(s): NURS 8327

NURS 8360 - Advanced Pharmacology for Nursing Anesthesia II (3 Credit Hours)

This advanced course provides the graduate nurse anesthesia student with an in-depth knowledge and comprehensive of pharmacology and its application in the advanced practice role of nurse anesthesia. A comprehensive exploration of advanced pharmacological principles including pharmacokinetics and pharmacodynamics of inhaled and injected drugs used in advanced nurse anesthesia practice are emphasized throughout the course. Prerequisite(s): NURS7831 >= B

NURS 8361 - Advanced Principles of Nursing Anesthesia II (4 Credit Hours)

This course offers a continuation of advanced principles of nurse anesthesia care. Building upon previous knowledge physiologic, pharmacologic, and advanced anesthetic principles, this course will provide the student a structured and systematic approach to the planning, preparation, and provision of anesthesia care for patients with increasing complex pathology and/or increasingly complex surgical procedures that is individualized for the obstetric and pediatric patient. Emphasis will be on providing the student a comprehensive and integrated overview of unique physiologic and pathologic states of primary body systems through the lifespan related to the provision of anesthesia care to the patients undergoing complex cardiovascular, thoracic, intracranial, extracranial, and transplant procedures. Anesthetic considerations and management of the obstetric and pediatric patient, as well as the special needs of the trauma and burn patient will also be examined in great detail. Simulation-based methodologies are heavily integrated into the course, providing that the student a simulated anesthetizing environment for application and synthesis of advanced anesthesia principles to operationalize theoretical and critical thinking concepts. Lecture topics will be assimilated into high fidelity simulation scenarios to prepare the student for clinical residency courses. Students will develop problem solving and decision-making skills during all phases of anesthetic management by participating in case preparation and discussions, actual management of selected case scenarios, and review and discussion of their performance. Acute crisis management education is explored. Prerequisite(s): NURS7835 >= B

NURS 8362 - Techniques and Technologies in Nursing Anesthesia II (4 Credit Hours)

This course provides the student with a comprehensive overview of the technical aspects of neuraxial, epidural, and regional anesthesia modalities as well as point of care ultrasound, pain management, and radiological modalities commonly used in nurse anesthesia practice. Emphasis will be placed on a comprehensive overview of concepts and techniques essential to clinical nurse anesthesia practice

focusing on the theoretical and practical considerations involved in the administration and management regional anesthesia and pain management as it relates to the field of anesthesia. Advantages and disadvantages of various pain management approaches, as well as general physiologic and anatomic concepts as they relate to pain, will be covered. The fundamentals of radiologic and ultrasound principles and various techniques are also discussed. This course also includes practice in and evaluation of task specific skills utilizing skill trainers and simulation to maximize students direct contact to the instrumentation of the profession with the goal of developing vigilant providers that practice with high integrity.

Prerequisite(s): NURS7836 >= B

NURS 8363 - Nursing Anesthesia Clinical Practicum II (10 Credit Hours)

This second clinical course is designed to allow the student to utilize the didactic and simulation concepts received during the first four didactic semesters and the first clinical course of nursing anesthesia program to develop and manage a comprehensive anesthetic plan that encompasses the patient's social, physical, and mental health at a higher level of understanding and experience. Emphasis is placed on anesthesia techniques specific to cardiovascular, thoracic, neuroanesthesia, obstetric, pediatric and critically ill populations. These clinical experiences will occur in collaboration with a certified registered nurse anesthetist and/or anesthesiologist.

Prerequisite(s): NURS7837 >= B

NURS 8364 - Nursing Anesthesia Clinical Practicum III (8 Credit Hours)

This third clinical course is designed to allow the student to utilize the didactic and simulation concepts received during the first four didactic semesters and the two clinical courses of the nursing anesthesia program to continue to develop and manage a comprehensive anesthetic plan that encompasses the patient's social, physical, and mental health at a higher level of understanding and experience. Emphasis is placed on honing the anesthesia skills necessary for entry-level practice. These clinical experiences will occur in collaboration with a certified registered nurse anesthetist and/or anesthesiologist.

Prerequisite(s): NURS 8363 >= B

NURS 8370 - Adult Gerontology Acute Care ACNP Practice II: for Post-Graduate Certificate (4 Credit Hours)

This course provides the student with clinical experiences to apply and synthesize advanced practice nursing knowledge and skills with adults and older adults with complex urgent and emergent health care needs.

Prerequisite(s): NURS 8331 >= B and NURS 8333 >= S; Corequisite(s): NURS 8334; Additional Course Fee: Nursing Skills Lab Fee (ACNP, NP, DNP, PNP) - \$150 Flat Fee

NURS 8371 - Adult Gerontology Acute Care Practice III: for Post-Graduate Certificate (4 Credit Hours)

This course provides the student with clinical experiences to apply and synthesize evidence-based advanced practice nursing knowledge and skills with adults with complex and rapidly changing health care needs.

Prerequisite(s): NURS 8334 >= B and NURS 8370 >= S; Corequisite(s): NURS 8337

NURS 8500 - Philosophical Foundations of Nursing Science (3 Credit Hours)

This doctoral course is designed to assist the student in analyzing major philosophies of science as foundations for nursing knowledge. The general course focus will be on the influence and applicability to nursing of a variety of positivist, post-positivist, and post-modern views on the nature of scientific progress. Students will critically examine the claims of various conceptualizations of the natural and social sciences with a focus on distinctions in epistemology and ontology. Implications for nursing science will be emphasized.

NURS 8510 - Theory Development for Health Inquiry (3 Credit Hours)

In this course, students advance their knowledge of theory development relative to statements and

questions about health topics. The student explores in-depth analysis and definition of concepts and examines approaches to theory. Emphasis is placed on the development of a conceptual design demonstrating links between theoretical concepts and research processes.

NURS 8550 - Evidence-based Practice: Translation and Application (3 Credit Hours)

Evidence-based practice (EBP) has been defined as the conscientious, explicit, and judicious use of current best evidence in making decisions about the care of individual patients, groups, and communities. The practice of evidence-based medicine means integrating individual clinic expertise with the best available external clinical evidence from systematic research (Sackett, 1996). The course utilizes the scientific methods used in EBP and the application of these methods to healthcare delivery and clinical issues.

NURS 8551 - Complex Issues in Health Care Delivery (2 Credit Hours)

Health and health care are complex, multilayered concepts. Understanding and effectively managing ethical and social implications are essential for improving health outcomes. Bioethical issues and their implications in current and future health care venues are examined in areas such as social justice and the distribution of limited resources, health disparities, patient rights, and in health care. Issues such as trust, stigma, and power in relation to the impact on the provider/client relationship and health care outcomes are analyzed. Students will apply theory and research related to health disparity and vulnerable populations. Challenges and strategies for improving health care outcomes for these groups will be explored including cultural and linguistic competency, social and environmental justice, and patient advocacy.

NURS 8610 - Quantitative Research Designs and Methods (3 Credit Hours)

This course provides students with an overview of explanatory and predictive quantitative research designs. The major research designs used in laboratory, clinical and field settings will provide the foundation for this course. Advantages and disadvantages and sources of error for each research design will be provided. Students will have the opportunity to apply design principles through the development of a proposal.

NURS 8620 - Measurement in Health Research (3 Credit Hours)

This course will provide students with a detailed analysis of measurement used in nursing science and other health related research. An introduction to psychometric theory will be provided. The impact of population characteristics, environmental restraints and ethical principles on measurement and operationalization of nursing concepts used in the study of clinical problems and populations will be included.

Prerequisite(s): NURS 8610

NURS 8650 - Qualitative Design and Analysis (3 Credit Hours)

This course will focus on a critical analysis of the epistemological basis of the qualitative paradigms. Emphasis includes research design, data collection, analysis, interpretation and evaluation.

NURS 8660 - Research Residency (4 Credit Hours)

This course offers an introduction to the research topics currently being investigated by nursing and interdisciplinary sciences graduate faculty (e.g. biomedical, clinical, translational faculty). In addition, students receive individualized instruction from an independent investigator in a research program or laboratory. Students are expected to master at least one research-related technique and become familiar with the various activities expected of an independently-funded investigator. Prerequisite(s): Admission to research focused doctoral program.

NURS 8661 - Health Care Finance and Economics for the Nurse Executive (3 Credit Hours)

This course focuses on the analysis of health care operations and planning decisions derived from the

theoretical concepts of demand, cost production, profit and competition. External and internal forces challenging health care services are analyzed. Organizational effectiveness and efficiency within the complex health care environment are emphasized, in addition, to providing the foundation for integrating health care finance and managerial accounting. Opportunities for analyzing current and emerging health care financing trends are provided. Practical cost-benefit strategies used in planning, controlling and preparing internal and external reports are emphasized.

NURS 8662 - Quality Improvement and Risk Management: Initiatives and Strategies for the Nurse Executive (2 Credit Hours)

This course examines an interdisciplinary, systematic approach to healthcare outcomes and risk management practices. Assurance of quality health services and organizational risk control is discussed using industry benchmark and accreditation standards and processes.

NURS 8663 - Strategic Planning and Marketing in Health Care (2 Credit Hours)

This course provides students with a strong foundation in the concepts of strategic management enabling them to implement the process in a wide variety of leadership positions in health care organizations and systems. This course focuses upon the visioning and modeling of services and programs, both anticipatory and responsive, utilizing market-driven information. Students integrate theories from economics, information management, finance and leadership, culminating in the generation of a comprehensive business plan.

NURS 8850 - Patient Safety and Provider Performance (3 Credit Hours)

This course explores incidence, classification, and causes of iatrogenic disease. Systems-based strategies for the promotion of patient safety and error reduction will be discussed. Students will explore intrapersonal, social, and environmental factors influencing patient safety. Researchable questions and hypotheses pertaining to the promotion of patient safety will be developed.

NURS 8860 - Critical Analysis of Health Behavior Theories for Research (3 Credit Hours)

This course will focus on critically analyzing behavioral theories for their application in conducting research. The analysis will include examining the historical development, underlying assumptions, concepts, and relational statements as they have been applied in research in a variety of scientific domains. Health behavior theories will be examined to determine their internal consistency and external application to a variety of health and healthcare areas. Specific areas of research that were based on the theoretical perspectives will be examined and critiqued.

NURS 8870 - Theory and Research in Health Disparities (3 Credit Hours)

Disparities in health and quality of life between those who do and those who do not have access to resources have become more pronounced in their effect over time. These long-term effects pose a challenge to health scientists to conduct research on health disparities in their local, national, and global communities. Such community-driven research requires researchers to understand the history, attributions of cause, and theoretical approaches to the study of health disparities. Such research also requires modification of philosophical and methodological approaches used in more traditional research. In this course, the student will learn philosophical, conceptual and methodological approaches to health disparities and will design a research proposal that has the potential for describing and/or intervening in an aspect of a health problem in a selected vulnerable population.

NURS 8880 - Clinical Outcomes Research (3 Credit Hours)

This doctoral courses provides an opportunity for concentrated study of clinical outcomes research in nursing and related disciplines with an emphasis on clinical trial design in the testing of theory-driven interventions. The use of conceptual models in models in intervention research to guide the formulation of interventions and selection of appropriate clinical outcomes is addressed. Major topics in the course include the selection and evaluation of various clinical outcome measures, and analysis of outcome data. Feasibility issues related to the conduct of clinical research in formal clinical settings and informal

community settings will be analyzed. Alternatives to traditional clinical trial design for clinical research will also be considered.

Prerequisite(s): NURS 8650 and NURS 8610 and STAT7010

NURS 9020 - Special Topics (1 to 9 Credit Hours)

This course, designed for students in a research-focused doctoral program, provides two or more doctoral students the opportunity to study a special topic under supervision of faculty. The course is designed for in-depth study of topics for which other coursework is not available. *May be repeated for credit.*

NURS 9050 - Strategies for Effective Practice Change (2 Credit Hours)

In this course students will examine the process necessary to effectively develop, implement, and evaluate a practice change project. Students will begin to apply the concepts of scholarly practice to address an identified practice issue, and undertake in depth exploration and synthesis of the professional literature, professional standards practice and national benchmarks related to a specific area of practice. Students will identify the target population, community resource, and health care systems that will be impacted by their proposed project. Students will also investigate the policy implications and the opportunity for impacting policy change related to practice change project. Methods for implementing and evaluating effective change will be analyzed for validity, reliability, and feasibility in the context of practice change. Ethical research and protection of human subjects will be addressed.

NURS 9051 - DNP Project Inquiry and Change (1 to 8 Credit Hours)

In this series of courses students will develop, implement, and evaluate a practice change project under the guidance of a project committee. Students will work in partnership with their target population, community, and health care systems throughout the project process. They will also participate in peer review projects. Students will discuss alternative approaches, problems, and resolutions of issues that they have encountered during the development and implementation of their projects. Students will also develop and demonstrate refined assessment skills and apply biophysical, psychosocial, behavioral, sociopolitical, cultural, economic, and nursing science as appropriate to develop expertise and scholarly practice in their area of specialization. These settings provide the environment in which the advanced practice DNP project will be implemented and evaluated. *May be repeated for credit up to 8 times.*

NURS 9052 - Practice Inquiry and Change (Nurse Executive Track) (1 to 8 Credit Hours)

In this series of courses, students will develop, implement and evaluate a practice change project under the guidance of project committee. Students will work in partnership with their target population, community and health care systems throughout the project process. They will also participate in peer review of projects. Students will discuss alternative problems, approaches, and resolutions of issues that they have encountered during the development and implementation of their projects. Students will also develop and demonstrate refined assessment skills and apply biophysical, psychosocial, behavioral, sociopolitical, cultural, economic, and nursing science as appropriate to develop expertise and scholarly practice in their area of specialization through a residency experience with an experienced preceptor/mentor. These settings provide the environment in which the advanced practice DNP project will be implemented and evaluated. *May be repeated for credit up to 3 times.*

NURS 9191 - APRN Practice Synthesis (1 Credit Hour)

This course provides the student with information that will allow them to explore the full scope of responsibility inherent in the APRN role. Curriculum vitae and components of oral and written communication are discussed. Portfolios are compiled and evaluated for integration of advanced practice knowledge and skills in assessment, diagnosis, interventions and evaluation of outcomes in patients, families, and health care systems. In preparation for certified exams, a review of population focus material is provided.

NURS 9192 - Advanced Practice Nursing Program Practicum - for DNP Program (4 Credit Hours)

This course provides the student with terminal clinical practicum experiences in preparation for graduation from an advanced practicum program. Students are expected to embrace the full scope of advanced practice nursing practice in conjunction with a preceptor. Students apply evidence base practice knowledge and skills in collaborative settings that support interdisciplinary learning practice.

Corequisite(s): NURS9191

NURS 9193 - Advanced Practice Nursing Practicum for Post-Graduate Certificate (3 Credit Hours)

This course provides the student with terminal clinical practicum experience in preparation for graduation from an advanced practice certificate program. Students are expected to embrace the full scope of advanced practice nursing practice in conjunction with a preceptor. Students apply evidence base practice knowledge and skills in collaborative settings that support interprofessional learning and practice.

NURS 9194 - Rural Anesthesia Perspectives Practicum (3 Credit Hours)

Clinical experience is provided in the administration of anesthesia to rural and medically underserved populations. Emphasis is placed on developing the student's anesthesia skills and ability to function with a greater degree of independence. Requirements for comprehensive anesthesia care services in rural and medically underserved communities are explored. These clinical experiences will occur in collaboration with a certified registered nurse anesthetist and/or anesthesiologist.

Prerequisite(s): NURS 8363 >= B

NURS 9195 - Nursing Anesthesia Specialty Practicum I (8 Credit Hours)

This fourth clinical course occurs simultaneously with Rural Anesthesia Perspectives Practicum and DNP residency to make a total of four days clinical per week. It is designed to allow the students to utilize the didactic and simulations concepts of the nursing anesthesia program to prioritize, develop and administer an anesthetic to patients in all ASA classifications and in a variety of anesthesia care model settings. Emphasis is placed on honing the anesthesia skills and developing independence necessary for entry-level practice. These clinical experiences will occur in collaboration with a certified registered nurse anesthetist and/or nurse anesthesiologist.

Prerequisite(s): NURS 8363 >= B

NURS 9196 - Nursing Anesthesia Specialty Practicum II (10 Credit Hours)

This fourth clinical course occurs simultaneously with Rural Anesthesia Perspectives Practicum and DNP residency to make a total of four days clinical per week. It is designed to allow the students to utilize the didactic and simulations concepts of the nursing anesthesia program to prioritize, develop and administer an anesthetic to patients in all ASA classifications and in a variety of anesthesia care model settings. Emphasis is placed on honing the anesthesia skills and developing independence necessary for entry-level practice. These clinical experiences will occur in collaboration with a certified registered nurse anesthetist and/or nurse anesthesiologist.

Prerequisite(s): NURS9195 >= B

NURS 9197 - Nursing Anesthesiology Synthesis Course I (1 Credit Hour)

This advanced course is a didactic and clinical synthesis course; whereby, the learner connects clinical experiences with didactic material presented in nursing anesthesia core courses. Students use inductive and deductive reasoning as they review anesthesia-based case studies and NBCRNA board review questions.

NURS 9198 - Nursing Anesthesiology Synthesis Course II (1 Credit Hour)

This advanced course is a didactic and clinical synthesis course; whereby, the learner will connect clinical experiences with didactic material presented in nursing anesthesia core courses. Students will use inductive and deductive reasoning as they review anesthesia-based case studies and NBCRNA board

review questions.

NURS 9199 - Nursing Anesthesiology Synthesis III (1 Credit Hour)

An advanced didactic and clinical synthesis course; whereby, the learner connects clinical experiences with didactic material presented in nursing anesthesia core courses. Students use inductive and deductive reasoning as they review anesthesia-based case studies and NBCRNA board review questions.

NURS 9240 - Independent Study (1 to 9 Credit Hours)

The course, designed for students in a research-focused doctoral program, provides individual students the opportunity to study in more depth a topic introduced in earlier coursework and to pursue topics compatible with their research area of concentration for which coursework is not available. The student typically takes this course with their major advisor or a member of their PhD advisory committee. *May be repeated for credit.*

NURS 9250 - Investigation of a Research Problem (1 to 12 Credit Hours)

This course, designed for students in a research-focused doctoral program, provides students the opportunity to work with individual faculty members on a specific investigative research problem. The course provides an introduction to the scientific method in action and helps the student progress toward the defense of their dissertation proposal. Students take this course from their third semester in the PhD program until they successfully defend their dissertation proposal and officially enter candidacy. The student typically takes this course with their major advisor or a member of their PhD advisory committee. *May be repeated for credit.*

NURS 9300 - Dissertation (3 to 9 Credit Hours)

This course, designed for students in a research-focused doctoral program, provides students the opportunity to complete dissertation work specific to their individual area of research under the supervision of their research mentors. Once students officially enter candidacy, they take NURS 9300 for 3-9 hours each semester until they successfully defend their dissertation and graduate. A minimum of 18 credit hours of NURS 9300 over at least 2 semesters is required for graduation. *May be repeated for credit.*

AUGUSTA UNIVERSITY ONLINE (OAUO)

OAUO 0101 - AU Online Student Orientation (0 Credit Hours)

Helps students obtain the needed understandings of how Augusta University Online works, as well as the technical and non-technical skills necessary to be successful learners. Students learn how to navigate Augusta University Online courses, including how to perform necessary tasks within the Learning Management System related to communicating and completing various learning activities. Students become aware of their strengths and opportunities for improvement as online learners and how to avail themselves to academic and non-academic support services to increase their ability to succeed.

OBSTETRICS AND GYNECOLOGY (OBN)

OBN 5000 - Basic Clerkship in Obstetrics and Gynecology (18 Credit Hours)

This required basic clerkship of 6 weeks duration combines inpatient and outpatient experience in human reproduction and in disorders of the female reproductive system.

OBN 5001 - Obstetrics and Gynecology Off-Campus Externship (4 to 8 Credit Hours)

This elective is offered by arrangement with various hospitals, or affiliated medical schools in the United States and overseas. The course is designed to fit each student's particular need and may be either

clinically or research oriented. The student must obtain a letter of acceptance with the name of the supervisor and/or evaluator and their curriculum vitae showing OB/GYN training. Formal evaluation is required. *May be repeated for credit up to 3 times.*

OBN 5005 - Maternal Fetal Medicine Externship (4 to 8 Credit Hours)

This is a clinically oriented block of time during which The student will participate in the antepartum, delivery, and postpartum care of high risk obstetric patients. Responsibilities are those of a sub-intern working closely with the OB house-staff. The student will also present cases at the clinical conferences dealing with high risk pregnancies, and be responsible for assigned reading material.

OBN 5006 - Reproductive Endocrinology Externship (4 to 8 Credit Hours)

The student will participate in the Reproductive Endocrinology and Genetics Clinic at the Medical College of Georgia. One entire day per week will be devoted to the prenatal diagnosis and preconceptional genetic counseling. Two days at the Medical College of Georgia each week will be devoted to infertility surgery. Two days will be devoted to the management of patients, single or couples, with reproductive endocrine problems. The general diagnostic areas which will be covered are as follows: evaluation, diagnosis and management of couples with infertility, diagnosis and management of menstrual dysfunction, diagnosis and management of androgen over-production. A knowledge of gross and microscopic pathology relating to reproductive endocrinology. Contraception and family planning. Observation of reconstructive and reparative surgery involving congenital and acquired defects of the female genital tract. Gross and microscopic pathology relating to reproductive endocrinology. Basic knowledge of the pharmacology of hormones. Preconceptional and genetic counseling and prenatal diagnosis. In vitro fertilization.

OBN 5007 - Gynecologic Oncology Externship (4 to 8 Credit Hours)

Students participate in all aspects of gynecologic oncology during this rotation to include exposure to radical gynecologic surgery, the use of specialized instruments in female genital cancer, such as the LASER, LLETZ and the administration of chemotherapy. Clinic time consists of examining patients, under supervision, who are pretreatment gynecologic oncology patients. They observe the use of colposcopy, cryotherapy, of outpatient cystoscopy and special biopsy procedures involving the female genital tract cancers and their precursors.

OBN 5008 - Benign Gynecology Externship (4 to 8 Credit Hours)

The student will participate in the expanded management of inpatient and outpatient gynecology patients. The student's outpatient experience will include exposure to patients with common problems, as well as routine preventative care. The outpatient experience will also include exposure to, and possible ultrasound and colposcopy. The inpatient experience will consist of participation in the operating room and following assigned patients. Students will be responsible for their assigned patients and will be expected to function at the level of an intern.

OBN 5009 - Obstetrics and Gynecology Sub-I (12 Credit Hours)

Students on this service will function as sub-interns in the Gynecologic Oncology and Maternal-Fetal Medicine services at MCG or on the obstetrics and gynecology service at the Atlanta Medical Center. Each student will work as an integral part of that service. The student will be required to participate in daily rounds and patient care conferences. The student will also be required to perform surgical procedures under supervision and be involved in clinical activities in the outpatient clinic.

OBN 5011 - Obstetrics and Gynecology Research (4 to 8 Credit Hours)

The emphasis of the laboratory is on the genetic basis of puberty and reproduction using human disease models as hypogonadotropic hypogonadism and premature ovarian failure. The student will perform molecular procedures under supervision to identify mutations in human disease. The interested student will have an excellent change to be involved in abstract publication with eventual journal publication. These studies will provide the student with an exposure to molecular analysis and relate it to clinical problems in reproductive medicine.

OBGN 5012 - Urogynecology Externship (4 to 8 Credit Hours)

The student will participate in the management of inpatient and outpatient urogynecology patients. The outpatient experience will include extensive exposure to urodynamics, exposure to bladder ultrasound as well as other diagnostic bladder tests. Students will participate in the office management of patients with all forms of incontinence, vaginal and uterine prolapse, as well as other gynecological problems. The patient experience will consist of participation in the operating room for urogynecology, advance laparoscopy, and general gynecology cases. Students will follow assigned patients both preoperatively and postoperatively. Students will be responsible for their assigned patients and will be expected to function at the level of an intern.

OBGN 5016 - Gynecology Boot Camp (4 to 8 Credit Hours)

This course will provide the student with exposure to each of the GYN subspecialties (benign gynecology, gynecological oncology, urogynecology, and reproductive endocrinology and infertility), along with intensive experience performing many duties expected of OB-GYN interns.

Prerequisite(s): OBGN 5000 >= C

OBGN 5017 - Obstetrics Emergency Department Elective (4 to 8 Credit Hours)

Students on this service will function as sub-interns in the OB Emergency Department at MCG. The student will work as an integral part of that service. The student will be required to participate in daily rounds and patient care conferences. The student will also be required to triage all OB ED patients and begin a treatment plan under supervision. They may participate in procedures in the ED including but not limited to ultrasound, incision and drainage, pelvic exams, and potentially precipitous deliveries. They will coordinate with consulting services as appropriate. They will help teach third years on the OB/GYN clerkship rotation. The student will participate in morning and departmental rounds.

Prerequisite(s): OBGN 5000

OBGN 5018 - Transgender Health Longitudinal Elective (4 to 8 Credit Hours)

This course will provide the student with in-depth exposure to the field of transgender medicine, and will also incorporate a research component in the area of transgender genetics. The student will see patients at the Augusta University Transgender Health Clinic which meets once monthly, and at the Equality Clinic which meets twice monthly. The expectation will be that the student will attend a minimum of 50% of each of these clinic over the course of the year (minimum of 6 Transgender Health Clinics and 12 Equality Clinics). In these clinics students will be exposed to various aspects of transgender medicine, including primary and preventive care, mental health care, and gender-affirming treatments and procedures. The student will also work with the Transgender Health faculty in the genetics lab, and will assist with enrolling and consenting patients into research studies, with the goal of generating a poster presentation and the potential to be included on relevant publications to which a substantial contribution is made. Specific research goals will include: 1) Generate a research proposal in consultation with Transgender Health research faculty of appropriate scope to be completed by the end of academic year 2) Learn the fundamental techniques required for PCR implementation, electrophoresis, and Sanger Sequencing, as well as interpretation of next generation sequencing results 3) Complete proposed research project by the end of the academic year, and present the results either by oral/poster presentation or by publication, including but not limited to presentation at Augusta University Health Sciences Education Day.

Prerequisite(s): OBGN 5000 >= C

OBGN 5019 - OB/Gyn Advocacy Elective (4 to 8 Credit Hours)

This elective rotation is an ideal opportunity for medical students who are considering a career in obstetrics and gynecology and has interest in learning about the importance of advocacy for women's health. Students are exposed to multiple aspects of the field, as well as the fundamentals of the Georgia General Assembly, the policy making process, and the principles of effective advocacy. This is a 2-week to 4-week elective geared towards students who are interested in women's health policy. Multidisciplinary approaches to managing women's healthcare in the rural setting are examined, in addition to learning about policy proposals, advocacy strategies, and leadership skills necessary to become a lifetime advocate at the clinical level, at the community level, and at the legislative level.

OBGN 5020 - Rural Outpatient Gynecology Elective (4 to 8 Credit Hours)

This rotation is ideal for students considering a career in obstetrics and gynecology. Students are exposed to multiple aspects of the field, as well as community engagement, mentoring and advocacy. This is a 2-week to 4-week elective geared towards students who are interested in women's health in the outpatient setting. Issues addressed during this rotation include the primary care of women, gynecological health, and menopause. Students develop cultural competence skills, are exposed to multidisciplinary approaches to managing women's healthcare, and expand their knowledge about corporate compliance and ethics in the workplace. The basic ambulatory management of obstetrical patients, the management of ambulatory gynecologic conditions, and prevention and screening in women's reproductive health are examined.

OBGN 5087 - OB/GYN and Women's Health (1 Credit Hour)

This course will expose students to various areas in the field of OB/GYN to enhance interest in the profession and improve knowledge and skills in women's healthcare.

OBGN 5500 - OBGYN Clinical Anatomy Readiness Course (8 Credit Hours)

This 4-week course aims to strengthen already obtained anatomy knowledge of regions essential for students seeking to enter an OBGYN residency. It reviews anatomical knowledge and dissection skills, while also practicing and observing clinically relevant procedures in the realm of OBGYN. This course includes 4 different components students must complete in order to receive elective credit: cadaveric dissection, assisting in the 1st year medical student anatomy laboratory, practice of clinically relevant procedures using cadaveric materials and/or simulations, and observation/participation in these procedures within a clinical setting. By the end of the course, students should feel confident in their anatomical knowledge and understanding related to OBGYN anatomy and be proficient in their knowledge and ability to demonstrate/perform common clinical procedures to prepare them for a OBGYN residency.

OBGN 5999 - Basic Clerkship Remediation in Obstetrics/Gynecology (1 Credit Hour)

Remediation of the Basic Core Clerkship in Obstetrics/Gynecology.
Prerequisite(s): OBGN 5000

OBGN 6599 - OB/Gyn Student Chief (4 to 8 Credit Hours)

The elective is designed to allow M4 students an opportunity to practice their leadership skills as they serve as a peer role model to M3 students on the OB/Gyn rotation. The Student Chief will assist the clerkship director by helping M3 student with administrative tasks and required clinical skills. Student must receive the site clerkship director's approval. *May be repeated for credit up to 1 time.*
Prerequisite(s): OBGN 5000 >= B

ORAL BIOLOGY (OBMP)**OBMP 5603 - Special Topics in Oral Biology (4 Credit Hours)****OBMP 7210 - Applied Pathology (3 Credit Hours)**

This course includes lectures and clinico-pathological conferences on the basic principles of disease, relevant histopathology and the underlying mechanism at the cellular and subcellular levels. The topics include cell pathology, inflammatory process, hemodynamic disturbances, genetic and metabolic disorders and neoplasia. In addition, pathology of the systemic organs is covered.

OBMP 8001 - Topics in Oral Biology 1 (2 Credit Hours)

Prerequisites: DMD, DDS, or equivalent; 2 years dental school for combined programs. This course is composed of three blocks. The first block addresses hard tissue biology in which the anatomy, physiology, and biochemistry of bone and teeth are emphasized. The second block is devoted to temporomandibular

joint disorders, and emphasizes the fundamental basic science that is essential in understanding the clinical problems related to the temporomandibular joint. The third block is regeneration/repair of orofacial tissues and emphasizes growth and differentiation of hard and soft tissues and the biochemical basis of wound healing.

OBMP 8002 - Topics in Oral Biology 2 (2 Credit Hours)

Prerequisites: DMD, DDS, or equivalent; 2 yrs dental school for combined programs. The course is composed of two blocks. The first block is hemostasis and bleeding disorders which deals with fundamental concepts in the biochemistry, anatomy and physiology of the hemostatic response and bleeding disorders. The second block is orofacial infections in which the types of orofacial infections along with the causative agents, the role of lymphatic and other anatomic structures in the spread of infection, host defense mechanisms and anti-microbial therapies are presented.

OBMP 8003 - Topics in Oral Biology 3 (2 Credit Hours)

Prerequisites: DMD, DDS, or equivalent; 2 yrs dental school for combined programs. The course is composed of three major blocks. The first block is a series of lectures on pain and anxiety management in dentistry. The second block addresses the dental management of the medically complex patient. The third block covers salivary gland function in health and disease.

OBMP 8004 - Topics in Oral Biology 4 (2 Credit Hours)

The course is composed of two blocks. The first block is a series of lectures related to molecular pathology. The second block emphasizes genetics as it relates to orofacial anomalies and defects. This course is a multidisciplinary approach to these topics.

OBMP 8540 - Advanced Oral Pathology (2 Credit Hours)

This course is comprised of a series of lectures on advanced oral pathology with emphasis on the etiology, mechanisms, and state of the art diagnostic measures and prognostic evaluation.

OBMP 8640 - Research Proposal Development (2 Credit Hours)

This course presents the entering oral biology graduate students with the range of opportunities available on campus (facilities, faculty, and instrumentation/techniques) to them to pursue for the purposes of fulfilling their master's or doctoral research requirements. Additional topics to be covered include fundamentals of computer literacy required to develop, present, and perform an acceptable, graduate-level research project: word processing, spreadsheet software, computer presentation programs, and reference management. Also, the student will be presented with facilities to perform on-line data searching. A series of short presentations concerning frequently utilized statistical methods will be presented. The student will also be introduced to the basics of structure, organizations, and format of an acceptable research proposal and manuscript.

OBMP 9001 - Topics in Oral Biology I (3 Credit Hours)

This course is composed of three blocks. The first block addresses hard tissue biology in which the anatomy, physiology, and biochemistry of bone and teeth are emphasized. The second block is devoted to temporomandibular joint disorders, and emphasizes the fundamental basic science that is essential in understanding the clinical problems related to the temporomandibular joint. The third block is regeneration/repair of orofacial tissues and emphasizes growth and differentiation of hard and soft tissues and the biochemical basis of wound healing.

OBMP 9002 - Topics in Oral Biology II (3 Credit Hours)

The course is composed of two blocks. The first block is hemostasis and bleeding disorders which deals with fundamental concepts in the biochemistry, anatomy, and physiology of the hemostatic response and bleeding disorders. The second block is orofacial infections in which the types of orofacial infections along with the causative agents, the role of lymphatic and other anatomic structures in the spread of infection, host defense mechanisms and anti-microbial therapies are presented.

OBMP 9003 - Topics in Oral Biology III (3 Credit Hours)

This course presents three modules each focused on a topic which is pivotal to the practice of clinical dentistry. These include 1) management of pain and anxiety in dentistry, 2) dental management of medically complex patients, and 3) salivary gland structure and function. A multidisciplinary approach will integrate relevant information from various basic science disciplines to achieve comprehensive presentation of each topic.

OBMP 9004 - Topics in Oral Biology IV (3 Credit Hours)

This course includes lecture series on the basic principles of disease, relevant morphological and biochemical features, and the underlying mechanism at the cellular, subcellular, and molecular level. The course is composed of three blocks: I. Molecular Pathology; II. Mechanisms in Normal and Abnormal Cell Proliferation; III. Normal and Abnormal Craniofacial Development. Specific topics include advanced concepts of disease at the cellular and subcellular level, to include principles and basic mechanisms of cell injury, inflammation, signal transduction, carcinogenesis, oncogenes, and neoplasia. Concepts of craniofacial development are discussed from genetic and embryological perspectives. An overview of current corrective measures, potential genetic therapies, and ethical considerations are also addressed.

OBMP 9010 - Graduate Oral Biology Seminar (1 Credit Hour)

This course consists of several one hour seminars that will be presented by dental faculty, graduate students and invited lecturers. The seminar topics will be related to the research being conducted by each presenter. *May be repeated for credit.*

OBMP 9011 - Topics in Oral Biology I Supplemental (1 Credit Hour)

Current 9001: This course is composed of three blocks. The first block addresses hard tissue biology in which the anatomy, physiology, and biochemistry of bone and teeth are emphasized. The second block is devoted to temporomandibular joint disorders, and emphasizes the fundamental basic science that is essential in understanding the clinical problems related to the temporomandibular joint. The third block is regeneration/repair of orofacial tissues and emphasizes growth and differentiation of hard and soft tissues and the biochemical basis of wound healing.

OBMP 9011: Topics in Oral Biology I Supplemental. A student may register for OBMP 9011 for 1 h if the student has already taken OBMP 8001, earned a B or higher in the course, and taken within five years. *May be repeated for credit.*

Prerequisite(s): OBMP8001 >= B

OBMP 9012 - Topics in Oral Biology II Supplemental (1 Credit Hour)

The course is composed of two blocks. The first block is hemostasis and bleeding disorders which deals with fundamental concepts in the biochemistry, anatomy and physiology of the hemostatic response and bleeding disorders. The second block is orofacial infections in which the types of orofacial infections along with the causative agents, the role of lymphatic and other anatomic structures in the spread of infection, host defense mechanisms and anti-microbial therapies are presented. *May be repeated for credit.*

Prerequisite(s): OBMP8002 >= B

OBMP 9013 - Topics in Oral Biology II Supplemental (1 Credit Hour)

May be repeated for credit.

Prerequisite(s): OBMP8003 >= B

OBMP 9014 - Topics in Oral Biology IV Supplemental (1 Credit Hour)

Prerequisite(s): OBMP8004 >= B

OBMP 9100 - Journal Club in Oral Biology (1 Credit Hour)

Weekly presentation and discussion of recent journal articles in the field of oral biology. All students enrolled will be required to present at least one journal paper per semester and will be expected to lead the discussion and answer questions in relation to the specific background, method, results, discussion,

and conclusions as it relates to the paper and field in general. *May be repeated for credit.*

OBMP 9210 - Investigation of a Problem (1 to 12 Credit Hours)

The student works with individual faculty members on a specific investigative research problem. This provides an introduction to analytical techniques and the scientific method in action. *May be repeated for credit.*

OBMP 9300 - Research (1 to 16 Credit Hours)

Permanent assignment to a specific lab with a faculty advisor and a defined research project. The student works closely with their faculty thesis/dissertation advisor on an in-depth study of a research problem of interest to both student and advisor. This course culminates in the preparation of the PhD dissertation or MS thesis. Enrollment in this course requires official admission to candidacy. *May be repeated for credit.*

ORAL BIOLOGY – DENTAL RESIDENT (OBPR)

OBPR 8001 - Topics in Oral Biology I (2 Credit Hours)

This course is a lecture series covering the basic principles of oral and dental disease, relevant morphological and biochemical features and the underlying mechanisms at the cellular, subcellular and molecular levels. The course is composed of three modules (all of which are mandatory): I. Hard Tissue Biology; II. TMJ Disorders; III. Regeneration/Repair. Specific topics include the development and structure of bone, and the hormonal regulation of bone metabolism; dentine permeability and fluoride metabolism/toxicity. Disorders of the temporomandibular joint and muscles will be discussed, including orthodontic aspects and the diagnosis and management of TMJ pain. Concepts of regeneration and repair will be covered, focusing on bone regeneration, nerve injury, wound healing and repair. An overview of current corrective measures and potential therapies is also provided.

OBPR 8002 - Topics in Oral Biology II (2 Credit Hours)

This course presents three interrelated areas of emphasis in the understanding of universal and unique features of the head and neck region and their response to microbial invasion. Initially, the anatomical features of the head and neck are presented as potential sites of dental and systemic diseases. General and specific features of the human immune response are presented that are responsible for returning the affected are to homeostasis are discussed. The middle portion of the course presents information on common bacterial, fungal, and viral systemic diseases presenting with major manifestations in the head and neck are presented. Along with these diseases, appropriate chemotherapeutic treatment regimens are also discussed. Finally, the development of the formed blood elements which, along with the circulatory system, transports many of the elements of the immune response are presented. Normal and aberrant mechanisms of blood clotting as well as pharmacological interventions for bleeding disorders commonly encountered in dental treatment are discussed in detail.

OBPR 8003 - Topics in Oral Biology III (2 Credit Hours)

This course presents three modules each focused on a topic which is pivotal to the practice of clinical dentistry. These include 1) management of pain and anxiety in dentistry, 2) dental management of medically complex patients and 3) salivary gland structure and function. A multidisciplinary approach will integrate relevant information from various basic science disciplines to achieve comprehensive presentation of each topic. *May be repeated for credit up to 1 time.*

OBPR 8004 - Topics in Oral Biology IV (2 Credit Hours)

This course includes lecture series on the basic principles of disease, relevant morphological and biochemical features and the underlying mechanism at the cellular, subcellular and molecular level. The course is composed of three blocks: I. Molecular Pathology; II. Mechanisms in Normal and Abnormal Cell Proliferation; III. Normal and Abnormal Craniofacial Development. Specific topics include: advanced concepts of disease at the cellular and subcellular level, to include principles and basic mechanisms of cell injury, inflammation, signal transduction, carcinogenesis, oncogenes, and neoplasia. Concepts of craniofacial development are discussed from genetic and embryological perspectives. An overview of

current corrective measures, potential genetic therapies, and ethical considerations also are addressed.

OBPR 8540 - Advanced Oral Pathology I (2 Credit Hours)

This course examines the etiology and pathogenesis of oral and head and neck diseases in basic oral and maxillofacial pathology. The subject matter includes introduction and reinforcing of etiology and mechanisms of pathological disorders taught in combination with basic principles of pathologic processes. However, this course is clinically oriented and details description of the clinical and radiographic features, and the general outlines of treatment modalities of the following, developmental defects and anomalies, abnormalities of teeth, mucosal white and red lesions, papillary lesions, ulcerative conditions, vesiculo-bullous conditions, oral cancer and epithelial pathology, non-neoplastic and neoplastic salivary gland pathology, and osseous and odontogenic pathology. The course is conducted via lectures coupled with case-based clinicopathology conferences which emphasize the development of a differential diagnosis and establishment of a final diagnosis.

OBPR 9010 - Graduate Oral Biology Seminar (1 Credit Hour)

Through the presentation of current research by students and faculty, the students will become conversant with scientific methods and literature. Upon graduation from the program, students will be competent and experienced in presenting their scientific results to audiences of their peers.

OBPR 9100 - Journal Club in Oral Biology (1 Credit Hour)

Weekly presentation and discussion of recent journal articles in the field of oral biology. All students enrolled will be required to present at least one journal paper per semester and will be expected to lead the discussion and answer questions in relation to the specific background, method, results, discussion, and conclusions as it relates to the paper and field in general. *May be repeated for credit.*

OCCLUSION (OCCL)

OCCL 5701 - Occlusion Clinic (0 to 1 Credit Hour)

ORAL DIAGNOSIS AND ORAL MEDICINE (ODOM)

ODOM 5003 - The Medically Complex Patient (3 Credit Hours)

ODOM 5603 - The Medically Complex Patient (3 Credit Hours)

ODOM 5604 - Oral Medicine (1 Credit Hour)

ODOM 5701 - Oral Medicine Clinic (0 to 1 Credit Hour)

ODOM 5702 - Oral Medicine Clinic (0 to 1 Credit Hour)

ORAL AND MAXILLOFACIAL SURGERY (OMFS)

OMFS 5004 - Nitrous Oxide Sedation in Dental Practice (1 Credit Hour)

Elective course in the theory and practice of nitrous oxide sedation in dental practice.

Prerequisite(s): OMFS5001 and OMFS5002

OMFS 5501 - Introduction to Oral and Maxillofacial Surgery (1 Credit Hour)

Provides basic information necessary to complete clinical requirements in oral surgery, and subsequently perform those oral surgery procedures within the scope of a general practitioner. *May be repeated for*

credit up to 2 times.

OMFS 5591 - Oral Surgery Clinic I (1 Credit Hour)

This comprehensive course includes two areas of evaluation. 1) Oral Surgery Assist Rotation (OSA): Students will be assigned on half-day shifts to the oral and maxillofacial surgery clinic. The responsibilities of students during this time are: a) To assist other students who schedule patients for extraction in the available oral surgery chairs. And b) If no student patients are scheduled, the rotating students must assist OMFS residents and faculty on simple cases and observe in complex cases. They may also participate in sedations assisting with the evaluation, monitoring and recovery of patients. It is the student's responsibility to identify the ongoing cases and participate. 2) Extractions: Students will perform extractions on patients within the student population. After an extraction is indicated, treatment planned by dental faculty and sign by the patient, the responsible student must present the case to an oral surgery faculty. A recent panoramic film of diagnostic quality (within one year) is required for patient presentation. A note will be placed in the chart assigning the case as a junior case, senior case, or resident case. When the case is assigned as a junior case, students will be able to schedule patients in the available oral surgery student chairs. If the case is assigned as a senior or resident case, the student is responsible for referring the patient to the appropriate clinic. Patients cannot be scheduled before oral surgery faculty approve the case as a junior student case. Junior students cannot schedule their own patients during their assigned OSA rotation shifts in the oral surgery clinic. If a student schedules a patient before approval or during the OSA rotation, they will be suspended from extraction clinic for a period of two (2) weeks. Repeating offenders will be suspended double the time of their previous suspension. 3) Students will not get surgical assist credit for participating in procedures during their assigned rotation shifts. 4) Enrolled students must complete the requirements of each individual area to obtain a satisfactory grade (S). *May be repeated for credit up to 2 times.*

OMFS 5602 - Fundamentals of Oral Surgery (1 Credit Hour)

Didactic course continuing on the foundational principles of oral and maxillofacial surgery. Topics include: medically compromised patients, pathology of the oral cavity and other nearby structures, and management of facial trauma. *May be repeated for credit up to 2 times.*

OMFS 5692 - Oral Surgery Clinic II (2 Credit Hours)

This comprehensive course includes two areas of evaluation. 1) Oral Surgery Assist Rotation (OSA): Students will be assigned on half-day shifts to the oral and maxillofacial surgery clinic. The responsibilities of students during this time are: a) To assist other students who schedule patients for extraction in the available oral surgery chairs. And b) If no student patients are scheduled, the rotating students must assist OMFS residents and faculty on simple cases and observe in complex cases. They may also participate in sedations assisting with the evaluation, monitoring and recovery of patients. It is the student's responsibility to identify the ongoing cases and participate. 2) Extractions: Students will perform extractions on patients within the student population. After an extraction is indicated, treatment planned by dental faculty and sign by the patient, the responsible student must present the case to an oral surgery faculty. A recent panoramic film of diagnostic quality (within one year) is required for patient presentation. A note will be placed in the chart assigning the case as a junior case, senior case, or resident case. When the case is assigned as a junior case, students will be able to schedule patients in the available oral surgery student chairs. If the case is assigned as a senior or resident case, the student is responsible for referring the patient to the appropriate clinic. Patients cannot be schedule before oral surgery faculty approve the case as a junior student case. Junior students cannot schedule their own patients during their assigned OSA rotation shifts in the oral surgery clinic. If a student schedules a patient before approval or during the OSA rotation, they will be suspended from extraction clinic for a period of two (2) weeks. Repeating offenders will be suspended double the time of their previous suspension. 3) Students will not get surgical assist credit for participating in procedures during their assigned rotation shifts. 4) Enrolled students must complete the requirements of each individual area to obtain a satisfactory grade (S). *May be repeated for credit up to 2 times.*

OMFS 5701 - Oral Surgery Clinic (0 to 2 Credit Hours)

OMFS 5702 - Oral Surgery Clinic (1 Credit Hour)**OMFS 5703 - Oral Surgery Hospital Clinic (0 to 2 Credit Hours)****OMFS 5793 - Oral Surgery Clinic III (1 Credit Hour)**

This comprehensive course includes two areas of evaluation. 1) Oral Surgery Assist Rotation (OSA): Students will be assigned on half-day shifts to the oral and maxillofacial surgery clinic. The responsibilities of students during this time are: a) To assist other students who schedule patients for extraction in the available oral surgery chairs. And b) If no student patients are scheduled, the rotating students must assist OMFS residents and faculty on simple cases and observe in complex cases. They may also participate in sedations assisting with the evaluation, monitoring and recovery of patients. It is the student's responsibility to identify the ongoing cases and participate. 2) Extractions: Students will perform extractions on patients within the student population. After an extraction is indicated, treatment planned by dental faculty and sign by the patient, the responsible student must present the case to an oral surgery faculty. A recent panoramic film of diagnostic quality (within one year) is required for patient presentation. A note will be placed in the chart assigning the case as a junior case, senior case, or resident case. When the case is assigned as a junior case, students will be able to schedule patients in the available oral surgery student chairs. If the case is assigned as a senior or resident case, the student is responsible for referring the patient to the appropriate clinic. Patients cannot be schedule before oral surgery faculty approval of the case as a junior student case. Junior students cannot schedule their own patients during their assigned OSA rotation shifts in the oral surgery clinic. If a student schedules a patient before approval or during the OSA rotation, they will be suspended from extraction clinic for a period of two (2) weeks. Repeating offenders will be suspended double the time of their previous suspension. 3) Students will not get surgical assist credit for participating in procedures during their assigned rotation shifts. 4) Enrolled students must complete the requirements of each individual area to obtain a satisfactory grade (S). *May be repeated for credit up to 2 times.*

OMFS 5794 - Oral Surgery Hospital Clinic (1 Credit Hour)

This is a full-time, one-week clinical rotation in oral and maxillofacial surgery. *May be repeated for credit up to 2 times.*

OMFS 5895 - Oral Surgery Clinic IV (1 Credit Hour)

Students will master the clinical skills learned in OMFS 5901. These include evaluation of surgical patients, case presentation, forceps extractions and management of complications during and after treatment. The students will complete the oral surgery competency during this course. They will work in the planning, treatment, post-operative care and management complications. During the competency process, students might be exposed to more advanced oral surgery procedures to include, surgical extractions, alveoloplasty, tori removal and biopsies. *May be repeated for credit up to 2 times.*

ORAL SURGERY - RESIDENT (OMSR)**OMSR 6021 - Didactics I (18 Credit Hours)**

This course includes teaching rounds, physical diagnosis, journal club and an academic seminar series. Teaching rounds occur each weekday as required by the patient population in the hospital. Physical diagnosis is an intensive training program of 1 week duration sponsored by the Eisenhower Army Medical Center. Journal club is a monthly seminar with DCG OMS faculty, residents and interns and the Eisenhower Army Medical Center faculty and residents. Reviews of articles from the Journal of Oral and Maxillofacial Surgery are presented, as well as reviews of articles from a selection of other professional journals. The Academic Seminar Series is a biweekly seminar consisting of presentations by a resident, faculty member, or guest. The service activities during the preceding week, and any associated patient morbidity and mortality is also discussed by the chief resident. *May be repeated for credit up to 2 times.*

OMSR 6022 - Oral Maxillofacial Surgery - Pathology Conference I (2 Credit Hours)

This is an advanced course in oral and maxillofacial pathology for the oral and maxillofacial surgery

residents. This course is especially designed for the oral surgery residents to better fit their needs in pathological and diagnostic sciences. It includes lectures and multihead-microscope conference to discuss topics that are pertinent to oral and head and neck surgery. The course addresses a number of topics including genetics, developmental anomalies, inflammatory conditions, and neoplastic disorders including oral cancer, salivary neoplasms, bone diseases and neoplasms and odontogenic cysts and tumors. This course provides a systematic approach to differential diagnosis as well as methods by which definitive diagnosis can be achieved prior to treatment. *May be repeated for credit up to 2 times.*

OMSR 6030 - Oral Surgery Didactics (23 Credit Hours)

Teaching Rounds Orthodontic Conference Surgical Ground Rounds Journal Club Teaching Session

OMSR 6031 - Didactics II (15 Credit Hours)

This course includes teaching rounds, journal club and an academic seminar series. Teaching rounds occur each weekday as required by the patient population in the hospital. Journal club is a monthly seminar with DCG OMS faculty, residents and interns and the Eisenhower Army Medical Center faculty and residents. Reviews of articles from the Journal of Oral and Maxillofacial Surgery are presented, as well as reviews of articles from a selection of other professional journals. The Academic Seminar Series is a biweekly seminar consisting of presentations by a resident, faculty member, or guest. The service activities during the preceding week, and any associated patient morbidity and mortality is also discussed by the chief resident. *May be repeated for credit up to 2 times.*

OMSR 6032 - Oral and Maxillofacial Surgery-Pathology Conference II (2 Credit Hours)

This is an advanced course in oral and maxillofacial pathology for the oral and maxillofacial surgery residents. This course is especially designed for the oral surgery residents to better fit their needs in pathological and diagnostic sciences. It includes lectures and multihead-microscope conference to discuss topics that are pertinent to oral and head and neck surgery. The course addresses a number of topics including genetics, developmental anomalies, inflammatory conditions, and neoplastic disorders including oral cancer, salivary neoplasms, bone diseases and neoplasms and odontogenic cysts and tumors. This course provides a systematic approach to differential diagnosis as well as methods by which definitive diagnosis can be achieved prior to treatment. *May be repeated for credit up to 2 times.*

OMSR 6120 - Oral Surgery Clinical Care (23 Credit Hours)

Ambulatory General Anesthesia Clinical Inpatient Care - OMS Clinical Outpatient Care - OMS Anesthesia Rotation

OMSR 6121 - Oral Surgery Clinical Care I (25 Credit Hours)

This clinical course includes OMS Clinical Inpatient Care that is assigned and supervised by the attending surgeon and OMS Clinical Outpatient Care. The course also includes a series of clinical rotations including the Augusta State Medical Prison, a five-month rotation in the Anesthesia Service of AU Hospital and Clinics, a one-month rotation in the Internal Medicine Service of AU Hospital and Clinics, and a one-month rotation in the Medical Intensive Care Clinic of AU Hospital and Clinics. *May be repeated for credit up to 2 times.*

OMSR 6130 - Oral Surgery Clinical Care (23 Credit Hours)

This clinical course covers ambulatory general anesthesia, clinical inpatient care, clinical outpatient care, and anesthesia rotation.

OMSR 6131 - Oral Surgery Clinical Care (27 Credit Hours)

This clinical course includes OMS Clinical Inpatient Care that is assigned and supervised by the attending surgeon and OMS Clinical Outpatient Care. The course also includes a series of clinical rotations including the Augusta State Medical Prison, a five-month rotation in the Anesthesia Service of AU Hospital and Clinics, a one-month rotation in the Internal Medicine Service of AU Hospital and Clinics, and a one-month rotation in the Medical Intensive Care Clinic of AU Hospital and Clinics. *May be repeated for credit up to 2 times.*

up to 2 times.

OMSR 7020 - Oral Surgery Didactics (22 Credit Hours)

Teaching Rounds Orthodontic Conference Surgical Ground Rounds Journal Club Teaching Session Oral Pathology

OMSR 7021 - Didactics III (15 Credit Hours)

This course includes teaching rounds, journal club and an academic seminar series. Teaching rounds occur each weekday as required by the patient population in the hospital. Journal club is a monthly seminar with DCG OMS faculty, residents and interns and the Eisenhower Army Medical Center faculty and residents. Reviews of articles from the Journal of Oral and Maxillofacial Surgery are presented, as well as reviews of articles from a selection of other professional journals. The Academic Seminar Series is a biweekly seminar consisting of presentations by a resident, faculty member, or guest. The service activities during the preceding week, and any associated patient morbidity and mortality is also discussed by the chief resident. *May be repeated for credit up to 2 times.*

OMSR 7022 - Oral Maxillofacial Surgery - Pathology Conference III (2 Credit Hours)

This is an advanced course in oral and maxillofacial pathology for the oral and maxillofacial surgery residents. This course is especially designed for the oral surgery residents to better fit their needs in pathological and diagnostic sciences. It includes lectures and multihead-microscope conference to discuss topics that are pertinent to oral and head and neck surgery. The course addresses a number of topics including genetics, developmental anomalies, inflammatory conditions, and neoplastic disorders including oral cancer, salivary neoplasms, bone diseases and neoplasms and odontogenic cysts and tumors. This course provides a systematic approach to differential diagnosis as well as methods by which definitive diagnosis can be achieved prior to treatment. *May be repeated for credit up to 2 times.*

OMSR 7031 - Didactics IV (15 Credit Hours)

This course includes teaching rounds, journal club and an academic seminar series. Teaching rounds occur each weekday as required by the patient population in the hospital. Journal club is a monthly seminar with DCG OMS faculty, residents and interns and the Eisenhower Army Medical Center faculty and residents. Reviews of articles from the Journal of Oral and Maxillofacial Surgery are presented, as well as reviews of articles from a selection of other professional journals. The Academic Seminar Series is a biweekly seminar consisting of presentations by a resident, faculty member, or guest. The service activities during the preceding week, and any associated patient morbidity and mortality is also discussed by the chief resident. *May be repeated for credit up to 2 times.*

OMSR 7032 - Oral Maxillofacial Surgery - Pathology Conference IV (2 Credit Hours)

This is an advanced course in oral and maxillofacial pathology for the oral and maxillofacial surgery residents. This course is especially designed for the oral surgery residents to better fit their needs in pathological and diagnostic sciences. It includes lectures and multihead-microscope conference to discuss topics that are pertinent to oral and head and neck surgery. The course addresses a number of topics including genetics, developmental anomalies, inflammatory conditions, and neoplastic disorders including oral cancer, salivary neoplasms, bone diseases and neoplasms and odontogenic cysts and tumors. This course provides a systematic approach to differential diagnosis as well as methods by which definitive diagnosis can be achieved prior to treatment. *May be repeated for credit up to 2 times.*

OMSR 7121 - Oral Surgery Clinical Care III (27 Credit Hours)

This clinical course includes OMS clinical inpatient care that is assigned and supervised by the attending surgeon and OMS clinical outpatient care. The course also includes a series of clinical rotations including the Augusta State Medical Prison, a one-month rotation in the general surgery service of AU hospital and clinics a one-month rotation in the plastic and reconstructive surgery service of AU hospital and clinics, a one-month rotation in the emergency department of AU hospital and clinics and a one-month rotation with

the trauma service of AU hospital and clinics. *May be repeated for credit up to 2 times.*

OMSR 7131 - Oral Surgery Clinical Care IV (27 Credit Hours)

This clinical course includes OMS clinical inpatient care that is assigned and supervised by the attending surgeon and OMS clinical outpatient care. The course also includes a series of clinical rotations including the Augusta State Medical Prison, a one-month rotation in the general surgery service of AU hospital and clinics a one-month rotation in the plastic and reconstructive surgery service of AU hospital and clinics, a one-month rotation in the emergency department of AU hospital and clinics and a one-month rotation with the trauma service of AU hospital and clinics. *May be repeated for credit up to 2 times.*

OMSR 8021 - Oral Surgery Didactics V (14 Credit Hours)

This course includes teaching rounds, journal club, an Academic Seminar Series and a human anatomy cadaver dissection course. Teaching rounds occur each weekday as required by the patient population in the hospital. Journal club is held monthly combining the DCG OMS faculty, residents and interns and the Eisenhower Army Medical Center faculty and residents. Reviews of articles from the Journal of Oral and Maxillofacial Surgery are presented, as well as reviews of articles from a selection of other professional journals. The Academic Seminar Series is a weekly seminar that consists of presentations by a resident, faculty member, or guest. The service activities during the preceding week, and any associated patient morbidity and mortality is also discussed by the chief resident. The human anatomy cadaver dissection course is a two day course of human cadaver dissection designed to review head and neck anatomy and to introduce residents to surgical techniques for managing emergency and trauma induced pathology involving the head and neck. *May be repeated for credit up to 2 times.*

OMSR 8022 - Oral and Maxillofacial Surgery-Pathology Conference V (2 Credit Hours)

This is an advanced course in oral and maxillofacial pathology for the oral and maxillofacial surgery residents. This course is especially designed for the oral surgery residents to better fit their needs in pathological and diagnostic sciences. It includes lectures and multihead-microscope conference to discuss topics that are pertinent to oral and head and neck surgery. The course addresses a number of topics including genetics, developmental anomalies, inflammatory conditions, and neoplastic disorders including oral cancer, salivary neoplasms, bone diseases and neoplasms and odontogenic cysts and tumors. This course provides a systematic approach to differential diagnosis as well as methods by which definitive diagnosis can be achieved prior to treatment. *May be repeated for credit up to 2 times.*

OMSR 8031 - Oral Surgery Didactics VI (13 Credit Hours)

This course includes teaching rounds, journal club, and an Academic Seminar Series. Teaching rounds occur each weekday as required by the patient population in the hospital. Journal club is held monthly combining the DCG OMS faculty, residents and interns and the Eisenhower Army Medical Center faculty and residents. Reviews of articles from the Journal of Oral and Maxillofacial Surgery are presented, as well as reviews of articles from a selection of other professional journals. The Academic Seminar Series is a weekly seminar that consists of presentations by a resident, faculty member, or guest. The service activities during the preceding week, and any associated patient morbidity and mortality is also discussed by the chief resident. *May be repeated for credit up to 2 times.*

OMSR 8032 - Oral Maxillofacial Surgery - Pathology Conference VI (2 Credit Hours)

This is an advanced course in oral and maxillofacial pathology for the oral and maxillofacial surgery residents. This course is especially designed for the oral surgery residents to better fit their needs in pathological and diagnostic sciences. It includes lectures and multihead-microscope conference to discuss topics that are pertinent to oral and head and neck surgery. The course addresses a number of topics including genetics, developmental anomalies, inflammatory conditions, and neoplastic disorders including oral cancer, salivary neoplasms, bone diseases and neoplasms and odontogenic cysts and tumors. This course provides a systematic approach to differential diagnosis as well as methods by which

definitive diagnosis can be achieved prior to treatment. *May be repeated for credit up to 2 times.*

OMSR 8121 - Oral Surgery Clinical Care V (26 Credit Hours)

This clinical course includes OMS Clinical Inpatient Care that is assigned and supervised by the attending surgeon and OMS Clinical Outpatient Care. The course also includes a clinical rotation to the Augusta State Medical Prison, and a one-month off-service elective clinical rotation. This elective rotation must be to a clinical service and must not be to any oral maxillofacial surgery service or practice. *May be repeated for credit up to 2 times.*

OMSR 8131 - Oral Surgery Clinical Care VI (27 Credit Hours)

This clinical course includes OMS Clinical Inpatient Care that is assigned and supervised by the attending surgeon and OMS Clinical Outpatient Care. The course also includes a clinical rotation to the Augusta State Medical Prison, and a one-month off-service elective clinical rotation. This elective rotation must be to a clinical service and must not be to any oral maxillofacial surgery service or practice. *May be repeated for credit up to 2 times.*

OMSR 9021 - Oral Surgery Didactics VII (14 Credit Hours)

This course includes teaching rounds, journal club, an Academic Seminar Series and training in ACLS and PALS. Teaching rounds occur each weekday as required by the patient population in the hospital. Journal club is held monthly combining the DCG OMS faculty, residents and interns and the Eisenhower Army Medical Center faculty and residents. Reviews of articles from the Journal of Oral and Maxillofacial Surgery are presented, as well as reviews of articles from a selection of other professional journals. The Academic Seminar Series is a weekly seminar that consists of presentations by a resident, faculty member, or guest. The service activities during the preceding week, and any associated patient morbidity and mortality is also discussed by the chief resident. Residents also take the American Heart Association courses in advanced trauma life support and pediatric advanced life support. *May be repeated for credit up to 2 times.*

OMSR 9022 - Oral Maxillofacial Surgery - Pathology Conference VII (2 Credit Hours)

This is an advanced course in oral and maxillofacial pathology for the oral and maxillofacial surgery residents. This course is especially designed for the oral surgery residents to better fit their needs in pathological and diagnostic sciences. It includes lectures and multihead-microscope conference to discuss topics that are pertinent to oral and head and neck surgery. The course addresses a number of topics including genetics, developmental anomalies, inflammatory conditions, and neoplastic disorders including oral cancer, salivary neoplasms, bone diseases and neoplasms and odontogenic cysts and tumors. This course provides a systematic approach to differential diagnosis as well as methods by which definitive diagnosis can be achieved prior to treatment. *May be repeated for credit up to 2 times.*

OMSR 9031 - Oral Surgery Didactics VIII (13 Credit Hours)

This course includes teaching rounds, journal club, and an Academic Seminar Series. Teaching rounds occur each weekday as required by the patient population in the hospital. Journal club is held monthly combining the DCG OMS faculty, residents and interns and the Eisenhower Army Medical Center faculty and residents. Reviews of articles from the Journal of Oral and Maxillofacial Surgery are presented, as well as reviews of articles from a selection of other professional journals. The Academic Seminar Series is a weekly seminar that consists of presentations by a resident, faculty member, or guest. The service activities during the preceding week, and any associated patient morbidity and mortality is also discussed by the chief resident. *May be repeated for credit up to 2 times.*

OMSR 9032 - Oral Maxillofacial Surgery - Pathology Conference VIII (2 Credit Hours)

This is an advanced course in oral and maxillofacial pathology for the oral and maxillofacial surgery residents. This course is especially designed for the oral surgery residents to better fit their needs in pathological and diagnostic sciences. It includes lectures and multihead-microscope conference to

discuss topics that are pertinent to oral and head and neck surgery. The course addresses a number of topics including genetics, developmental anomalies, inflammatory conditions, and neoplastic disorders including oral cancer, salivary neoplasms, bone diseases and neoplasms and odontogenic cysts and tumors. This course provides a systematic approach to differential diagnosis as well as methods by which definitive diagnosis can be achieved prior to treatment. *May be repeated for credit up to 2 times.*

OMSR 9121 - Oral Surgery Clinical Care VII (27 Credit Hours)

This clinical course includes OMS Clinical Inpatient Care that is assigned and supervised by the attending surgeon and OMS Clinical Outpatient Care. The course also includes a clinical rotation to the Augusta State Medical Prison, and a one-month off-service rotation to the Eisenhower Medical Center with the US Army OMS Program at Fort Gordon. *May be repeated for credit up to 2 times.*

OMSR 9131 - Oral Surgery Clinical Care VIII (27 Credit Hours)

This clinical course includes OMS Clinical Inpatient Care that is assigned and supervised by the attending surgeon and OMS Clinical Outpatient Care. The course also includes a clinical rotation to the Augusta State Medical Prison, and a one-month off-service rotation to the Eisenhower Medical Center with the US Army OMS Program at Fort Gordon. *May be repeated for credit up to 2 times.*

OPHTHALMOLOGY (OPTH)

OPTH 5001 - Ophthalmology Externship (4 to 8 Credit Hours)

The student participates with the residents and faculty in their daily clinical activities. This includes seeing and evaluating patients in the outpatient clinic with the residents and faculty, participation in conferences and lectures, and observation of some surgical procedures.

OPTH 5002 - Ophthalmology Research Elective (4 to 8 Credit Hours)

An area of mutual interest to the student and faculty supervisor is selected. The student outlines their research project with literature references and carries it out under supervision. A written report on the project is required at the end of the elective period.

OPTH 5003 - Ophthalmology Off-Campus Externship (4 to 8 Credit Hours)

Special arrangements can be made for elective periods of one or two months in a Department of Ophthalmology at another medical school or one that is affiliated with a medical school (Canada or USA), to study some phase of ophthalmology such as ophthalmic pathology, neuro-ophthalmology, etc. Written approval must be obtained in advance from both the MCG Department of Ophthalmology (D. Thomas) and the Department where the elective is to be taken. A description of the off-campus elective, including the names(s) of the supervising faculty member(s), must be submitted to the MCG Department of Ophthalmology before approval to take the course for credit can be considered. In addition, a letter of evaluation with specific comments regarding the student's performance and a brief description of the work completed must be received from the Department Chairperson or the supervising faculty member in the Department where the off-campus elective is taken. Credit for the course will not be given until all of the above have been satisfactorily completed. *May be repeated for credit up to 3 times.*

ONLINE ORIENTATION (ORIE)

ORIE 0001 - Online Orientation (0 Credit Hours)

ORIENTATION AND ETHICS (ORPR)

ORPR 5001 - Orientation to the Profession and Ethics (1 Credit Hour)

ORTHODONTICS (ORTH)

ORTH 5401 - Orthodontics I (2 Credit Hours)

This course is an introduction to orthodontic diagnosis and is designed to provide the sophomore dental student with the knowledge base necessary to identify existing and developing problems associated with dental and/or skeletal malocclusions. *May be repeated for credit up to 2 times.*

ORTH 5512 - Orthodontics II (3 Credit Hours)

The purpose of this course is to introduce biologic and mechanical principles of orthodontic tooth movement. Evidenced based concepts will be used in the discussion of contemporary treatment approaches. Laboratory experiences will provide hands-on re-enforcement of didactic instruction in the technical aspects of appliance construction and clinical treatment. *May be repeated for credit up to 2 times.*

ORTH 5602 - Orthodontics II (2 Credit Hours)

ORTH 5701 - Orthodontic Clinic (0 to 1 Credit Hour)

ORTH 5791 - Orthodontics Clinic I (1 Credit Hour)

The pre-doctoral orthodontic clinical experience provides the student with the opportunity to formulate a comprehensive problem list (diagnosis) and then participate in the treatment of a patient with relatively uncomplicated dentoalveolar problems, involving primarily adjunctive or interceptive orthodontic treatment. *May be repeated for credit up to 2 times.*

ORTH 5892 - Orthodontics Clinic II (1 Credit Hour)

The pre-doctoral orthodontic clinical experience provides the student with the opportunity to formulate a comprehensive problem list (diagnosis) and then participate in the treatment of a patient with relatively uncomplicated dentoalveolar problems, involving primarily adjunctive or interceptive orthodontic treatment. *May be repeated for credit up to 2 times.*

ORTHODONTICS – RESIDENT (ORTR)

ORTR 7010 - Edgewise Therapy (10 Credit Hours)

Edgewise Appliance - Typodont Course
Contemporary Orthodontics
Basic Cephalometrics
Research

ORTR 7020 - Advanced Diagnosis I (9 Credit Hours)

Literature Review
Contemporary Orthodontics
Advanced Cephalometrics
Principles of Occlusion and TMD
Edgewise Appliances - Biomechanics
Research

ORTR 7030 - Advanced Diagnostics II (14 Credit Hours)

Literature Review
Contemporary Orthodontics
Research
Principles of Occlusion and TMD

ORTR 7110 - Clinical Orthodontics (3 Credit Hours)

Clinical Orthodontics (Adults and Children)

ORTR 7120 - Craniofacial Deformities I (17 Credit Hours)

Clinical Orthodontics (Adults and Children)

Craniofacial Deformities (CL&P)

ORTR 7130 - Craniofacial Deformities II (24 Credit Hours)

This course provides the orthodontic residents the knowledge to understand the biologic responses to orthodontic forces in the treatment of patients of all ages with a variety of contemporary orthodontic techniques or philosophy. This course includes a rotation with the AU craniofacial anomalies team in which they examine and evaluate patients with cleft lip and palate and other craniofacial anomalies, discuss treatment options, and render patient care where appropriate.

ORTR 7210 - Diagnostic Essentials (2 Credit Hours)

Orientation/Ortho Records

Diagnosis and Treatment Planning

Clinical Photography

ORTR 7220 - Surgical Orthodontics (7 Credit Hours)

Surgical Orthodontics

Diagnosis and Treatment Planning

ORTR 7230 - Dentofacial Malocclusions II (7 Credit Hours)

Surgical Orthodontics

Diagnosis and Treatment Planning

Graduate Teaching Assistant

ORTR 8010 - Orthodontic Treatment: Principles and Techniques (9 Credit Hours)

Contemporary Orthodontics, Literature Review, Research.

ORTR 8020 - Finishing and Retention I (7 Credit Hours)

Contemporary Orthodontics

Literature Review

Finishing Orthodontic Treatment (Final Details)

Research

ORTR 8030 - Finishing and Retention II (12 Credit Hours)

Contemporary Orthodontics

Literature Review

Finishing Orthodontic Treatment (Final Details)

ORTR 8120 - Comprehensive Orthodontic Treatment II (20 Credit Hours)

Clinical Orthodontics (Adult & Children)

Surgical Orthodontics

Craniofacial Deformities

Graduate Teaching Assistant

Principles of Occlusion and TMD

Interdisciplinary Comprehensive Care

Dentofacial Orthopedics - Orthodontics and Orthopedic Appliance Design

ORTR 8130 - Comprehensive Orthodontic Treatment III (24 Credit Hours)

This clinical and seminar course provides the orthodontic residents the knowledge and experience for the treatment of patients of all ages with a variety of contemporary orthodontic techniques or philosophy. This

course includes a rotation with the AU Craniofacial Anomalies Team in which they examine and evaluate patients with cleft lip and palate and other craniofacial anomalies, discuss treatment options, and render patient care where appropriate. This course is intended to strengthen the second year orthodontic resident's knowledge base in the basic principles of occlusion and the classification, diagnosis, and treatment of temporomandibular disorders (TMD), the use of dentofacial orthopedics in orthodontics, and treatment planning and treatment coordination for the patient who requires the support of multiple specialists or disciplines to resolve the patient's treatment needs.

ORTR 8220 - Diagnosis and Treatment Planning II (10 Credit Hours)

Diagnosis and Treatment Planning

ORTR 8330 - Diagnosis and Treatment Planning III (9 Credit Hours)

Diagnosis and Treatment Planning

ORTR 9020 - Classis and Current Literature Review II (17 Credit Hours)

Literature Review

Defense of Completed Cases

Research

ORTR 9120 - Comprehensive Orthodontic Treatment III (19 Credit Hours)

This clinical course provides the orthodontic residents the knowledge and experience for the treatment of patients of all ages with a variety of contemporary orthodontic techniques or philosophy.

ORTR 9220 - ABO Treatment Plan Assessment II (10 Credit Hours)

Diagnosis and Treatment Planning

OCCUPATIONAL THERAPY (OTHP)

OTHP 6000 - Fieldwork I A (1 Credit Hour)

Application of the knowledge and skills learned in first semester graduate OT coursework. *May be repeated for credit up to 1 time.*

OTHP 6001 - Fieldwork I B (1 Credit Hour)

Application of the knowledge and skills learned in first and second semester graduate occupational therapy coursework.

Prerequisite: Successful completion of 1st semester MHS courses or permission of Academic Fieldwork Coordinator and Chair.

OTHP 6002 - Fieldwork I C (2 Credit Hours)

Application of the knowledge and skills learned through the 3rd semester of graduate OT coursework.

Prerequisite: successful completion of the 2nd semester MHS coursework and/or permission of the Academic Fieldwork Coordinator and Chair.

OTHP 6003 - Fieldwork I D (2 Credit Hours)

Application of the knowledge and skills learned through the 4th semester of graduate occupational therapy coursework.

Prerequisite: Successful completion of the 3rd semester MHS coursework and/or permission of the Academic Fieldwork Coordinator and Chair. *May be repeated for credit up to 1 time.*

OTHP 6100 - Foundations of Occupational Therapy (3 Credit Hours)

Foundational knowledge and skills of occupational therapy related to the history of the profession and current global health trends. Includes the delineation of roles, use of theory and evidence, the function of professional organizations, the practice framework, use of health care terminology, application of critical

reasoning within varied models of practice and settings. Transfer skills, vital signs, management of assistive mobility devices, adaptive dressing equipment, adaptive feeding, adapted equipment for IADL. *May be repeated for credit up to 1 time.*

OTHP 6104 - Occupational Therapy Models of Reasoning (3 Credit Hours)

Developing OT critical reasoning including problem screening and identification, referral, assessment, goal setting, intervention planning, reassessment, discontinuation for client and family centered care. Emphasis is placed on planning assessments and providing justification of care within a variety of settings.

OTHP 6105 - Assessment Process and Documentation (3 Credit Hours)

Developing OT critical reasoning including problem screening and identification, referral, assessment, goal setting, intervention planning, reassessment, discontinuation for client and family centered care. Emphasis is placed on planning assessments and providing justification of care within a variety of settings. *May be repeated for credit up to 1 time.*

OTHP 6106 - Development of Lifespan Occupations (3 Credit Hours)

Analysis of developmental theories and occupations across the lifespan. The development of roles, habits, values, and skills are included. The influence of cultural diversity and the environment across the lifespan are analyzed. Emphasis is placed on analysis and synthesis of interrelationships of occupation and development.

OTHP 6203 - Occupational Adaptations and Assistive Technology (3 Credit Hours)

Analysis of occupation as a therapeutic method including the adaptation of the person, task, environment and/or context to promote optimal health and occupational performance. Includes assessment, design and implementation of assistive technology.

Prerequisite: Successful completion of 1st semester MHS courses or permission from the chair.

OTHP 6204 - Movement Analysis (3 Credit Hours)

Integration of motor control and motor learning approaches related to occupational therapy interventions includes the analysis of posture, balance, quality of movement, and the impact on occupational performance. Promotion of client-centered health, analysis of impairments, and methods to positively influence movement for occupational performance. Prerequisites: Successful completion of 1st semester MHS courses or permission from the chair.

OTHP 6205 - Applied Kinesiology (4 Credit Hours)

Study of movement emphasizing biomechanical analysis of foundational structures and skills that provide the basis for normal movement patterns. Application of the biomechanical frame of reference as utilized by occupational therapists to evaluate range of motion, strength, endurance, sensation, and edema.

Prerequisite: Successful completion of 1st semester MHS courses and/or permission from the chair.

OTHP 6206 - Adult Evaluation and Intervention (6 Credit Hours)

Application of theories, models of practice, and frames of reference to determine and implement interventions to address orthopedic, neurological, and general medical impairments that influence occupational performance outcomes among adults. Emphasizes development of skills reflective of current practice including construction of adaptive equipment, assistive technology, fabrication of orthoses, and the use of adjunctive treatment methods. Various reimbursement systems and environments are examined, including acute, chronic, rehabilitation, and outpatient settings. Includes Level I fieldwork.

OTHP 6310 - Conditions in Occupational Therapy (3 Credit Hours)

A critical analysis of the promotion of health and wellness and the body's response to stress, illness or injury across the life span. Physiological concepts, systems and processes related to systems, maturation and healing pertaining to rehabilitation models of practice are also explored. Includes current health care trends, coding, pharmacological practices and evidence for evaluation and intervention. *May*

be repeated for credit up to 1 time.

Prerequisite(s): CAHS 7400 >=C or OTHP 6100 >=C or OTHP 6106 >=C

OTHP 6404 - Pediatric Evaluation and Intervention (4 Credit Hours)

Identification and evaluation of the occupational therapy process applied with the 0-21 population with atypical development, acquisition of occupational roles, and the influence of the person, health, task and the environment. Emphasizes treatment using pediatric frames of reference and working collaboratively in interdisciplinary teams in a variety of environments with children and their families. Includes Level I fieldwork.

OTHP 6501 - Introduction to Evidence-based Practice and Research Process (1 Credit Hour)

The process of evidence-based practice (EBP) and research is introduced, along with introduction of skills required for engaging in both the early exploration of the literature required for research and EBP. The course uses a flipped-classroom approach, with short learning modules presented through video or voice thread in D2L, and 1-hour class sessions reinforcing content with in-class activities. *May be repeated for credit up to 1 time.*

OTHP 6505 - Research Process (2 Credit Hours)

This course focuses on the knowledge and understanding of qualitative and quantitative research designs used to answer clinical and professional research questions. Students will develop and use statistical methods and qualitative analytic approaches to understand processes used in research. Students will continue to engage in evidence-based processes in clinical settings and through continued application to a mentor-driven scholarly project. *May be repeated for credit up to 1 time.*

Prerequisite(s): OTHP6501 >= C

OTHP 6510 - Evidence-based Practice (3 Credit Hours)

This course focuses on the critical appraisal and application of international and national literature within clinical practice settings for occupational therapists. Students will use the evidence-based process in making practice related assessment and intervention decisions. Additionally, learners will continue their mentored scholarly project in groups with allocated class time for continuing this process. *May be repeated for credit up to 1 time.*

Prerequisite(s): OTHP6505 >= C

OTHP 6515 - Research Seminar I (2 Credit Hours)

Continued development of a scholarly research process through data collection, data analysis, and preliminary work on publications and presentations related to the process of dissemination. Students are expected to spend their time engaged in an active scholarly pursuit in collaboration with their research mentor. *May be repeated for credit up to 1 time.*

Prerequisite(s): OTHP6510 >= C

OTHP 6520 - Research Seminar II (2 Credit Hours)

Completion of scholarly work that includes the application of research that affects practice and the provision of occupational therapy services. *May be repeated for credit up to 1 time.*

Prerequisite(s): OTHP6515 >= C

OTHP 6600 - Mental Health and Psychosocial Evaluation and Intervention (3 Credit Hours)

Application of critical reasoning and selected theories and intervention approaches for mental health. Includes principles of health promotion, occupationally based intervention models and the application of selected individual and/or group programming within health and community based settings. Therapeutic use of self, conflict management and an understanding of cultural diversity are emphasized. Prerequisite: Successful completion of 1st

semester MHS courses and/or permission from the chair. *May be repeated for credit up to 1 time.*

OTHP 6602 - Adult Evaluation and Intervention II (3 Credit Hours)

Promotion of occupational performance using a variety of adult models of practice. Special emphasis is placed on prevention, health promotion and wellness concepts; sports/leisure related services; low vision; vestibular rehabilitation; driver rehabilitation and cognitive care. Special emphasis is placed on older adult health trends. Various reimbursement systems and settings are examined including the community, private contracting, skilled nursing facilities and home health. Prerequisite: Successful completion of 3rd semester MHS coursework and/or permission of the chair. *May be repeated for credit up to 1 time.* Prerequisite(s): OTHP6320 >= C and OTHP6203 >= C and OTHP6606 >= C and OTHP6510 >= C and OTHP6002 >= C

OTHP 6604 - Pediatric Evaluation and Intervention (4 Credit Hours)

Selection and application of the appropriate assessments and interventions of the occupational therapy process with the 0-21 client population. Emphasis is placed on analyzing atypical development, acquisition of the occupational therapy roles and pediatric approaches. Use of client and family centered care is implemented in a variety of settings and reimbursement models. Collaboration and advocacy within interdisciplinary teams are included. Prerequisite: Successful completion of 3rd semester MHS coursework or permission of chair.

OTHP 6606 - Adult Evaluation and Intervention I (5 Credit Hours)

Occupationally based theories and evidence-based approaches for the selection and application of family and client centered care. Use of appropriate assessments and interventions for impairments, illnesses, or injuries related to adult health conditions. Synthesis and application of outcomes related care for clients with orthopedic, neurological, and general medical and health related conditions. Application of adaptive equipment, assistive technology, fabrication of orthoses, and adjunctive intervention methods are included. Various reimbursement systems, settings, and the continuum of care are addressed. Prerequisite: Successful completion of 2nd semester MHS coursework or permission of chair. Prerequisite(s): CAHS 7705 >= C and OTHP 6205 >= C and OTHP 6310 >= C and OTHP 6105 >= C and OTHP 6600 >= C and OTHP 6505 >= C and OTHP 6001 >= C

OTHP 6608 - Worker Role and Ergonomics (3 Credit Hours)

Prerequisites: Graduate admission to the MHS in OT degree program; completion of third semester coursework; or permission of instructor/chair. Study of work and ergonomic principles to enhance occupational performance. Emphasis is on program design and implementation of outcome based work related programs. Settings include clinics, private practice, community, and the industrial work place. Regulatory guidelines are included.

OTHP 6609 - Community, Societal and Population Models of Practice (3 Credit Hours)

In this course, the occupational therapy student will use a collaborative process involving the identification of a problem, creation of possible solutions, and assessment of their effectiveness in a community-based practice setting. Learners will assess client/family or community based health needs and design, develop and implement an evidence-based program to address the identified needs. This includes the examination of issues and trends influencing community based practice, proposal creation, contractual agreement as necessary, identification of possible funding sources, outcome benchmarks, and promotional/marketing strategies for a community based setting. The course addresses community based and emerging practice settings across the life span. Prerequisite: Successful completion of the third semester MHS course work or permission of the instructor/chair. *May be repeated for credit up to 1 time.*

OTHP 6610 - Contemporary Interventions (3 Credit Hours)

Contemporary practice assessment and interventions addressing work and ergonomics, vision and vestibular rehabilitation, driving, sensory integration, and dysphagia care. Cultural importance of

occupations and roles will be included. Course Prerequisites: Graduate admission to the MHS in OT degree program; completion of 3rd semester coursework; or permission of instructor/chair.

OTHP 6612 - Community Practice (3 Credit Hours)

In this course, the occupational therapy student will use a collaborative process involving the identification of a problem, creation of possible solutions, and assessment of their effectiveness in a community –based practice setting. Learners will assess client/family or community based health needs and design, develop and implement an evidence-based program to address the identified needs. This includes the examination of issues and trends influencing community based practice, proposal creation, contractual agreement as necessary, identification of possible funding sources, outcome benchmarks, and promotional/marketing strategies for a community based setting. The course addresses community based and emerging practice settings across the life span. Prerequisite: Successful completion of the third semester MHS course work or permission of the instructor/chair.

OTHP 6704 - Professional Issues and Service Management (4 Credit Hours)

Application of administrative and supervisory processes including professional standards and competencies, program evaluation, case management, advocacy reimbursement issues, marketing, analysis of outcomes, productivity, current policy issues and trends in the profession. Applies management principles and processes to appropriate methods within a variety of service delivery systems and models.

OTHP 6706 - Future Directions in Occupational Therapy (2 Credit Hours)

Students in this course will examine literature and resources from a variety of sources such as professional associations, governmental reports, and international literature related to individual, group and population health as well as current trends and future vision in terms of service delivery in medical, education, and community settings. *May be repeated for credit up to 1 time.*

Prerequisite(s): OTHP6510 >= C

OTHP 6708 - Professional Issues and Service Management (3 Credit Hours)

Application of administrative and professional leadership processes including standards of practice and competencies; needs assessments, program development, outcome management, reimbursement, ethics, policy and trends in health care. Includes management process, advocacy and promotion. Personal professional development and competencies are included. Prerequisite: Successful completion of fourth semester coursework or permission of the chair.

OTHP 6710 - Professional Development and Competencies (1 Credit Hour)

This courses uses critical analyses of professional entry competencies for the occupational therapists including certification, licensure, and professional development responsibilities. A programmatic review and professional self assessment are conducted. Experiences include critical appraisal of components of a professional evaluation including educational, employment, certification results, fieldwork, research/scholarship success, and service/community outreach outcomes. Evaluation data will be critically examined with developed improvement plans captured in a strategic planning process. Ethics, supervision, liability, and advanced professional development planning are included.

OTHP 6854 - School Systems (3 Credit Hours)

Advance studies in school based settings emphasizing regulatory guidelines, roles, IEPs, and delivery of services within an intra and interdisciplinary delineation, equipment and accessibility considerations, documentation, client and family centered care and consulting are included. Prerequisite: Successful completion of fourth semester MHS coursework; or permission of the chair. *May be repeated for credit up to 1 time.*

OTHP 6900 - Investigation of a Problem (1 to 4 Credit Hours)

Prerequisites: Graduate admission to the MHS in OT degree program; permission of chair or instructor.

Student investigation of a topic of interest or need.

OTHP 6901 - Sensory Integration/Advanced Topics in Pediatric Practice (3 Credit Hours)

Prerequisites: Graduate admission to the MHS in OT degree program; permission of Chair or instructor. Student investigation of specialty practice(s) in pediatrics and sensory integrative theory and implications for practice. A review of evidence-based literature and the implications for occupational practice are examined.

OTHP 6903 - Vestibular Rehabilitation (3 Credit Hours)

Prerequisites: Graduate admission to the MHS in OT degree program; permission of chair or instructor. A scientific review of the vestibular system and the implications for clinical intervention. Clinical case studies and a review of current evidence-based literature are analyzed with implications identified for practice and research.

OTHP 6904 - Visual Rehabilitation (3 Credit Hours)

Prerequisites: Graduate admission to the MHS in OT degree program; permission of chair or instructor. In-depth study of the vision system, common diagnostic populations, and related impairments. Case based learning and the implications for clinical practice are included. A review of evidence-based practice trends are analyzed with outcome benchmarks identified.

OTHP 6906 - Cognitive Rehabilitation (3 Credit Hours)

Prerequisites: Graduate admission to the MHS in OT degree program; permission of the instructor or chair. Advanced investigation of cognition and the implications on occupational performance. Research related to cognitive rehabilitation in occupational therapy is reviewed. Implications for occupational services are analyzed within a reimbursement, effectiveness and cost-effective practice. Models of restoration, compensation, and adaptation are analyzed.

OTHP 6907 - Advanced Musculoskeletal Investigation of Upper Extremity (3 Credit Hours)

Prerequisites: Graduate admission to the MHS in OT degree program; permission of the chair or instructor. Application of specialized musculoskeletal evaluation and intervention strategies for upper extremity impairments.

OTHP 6908 - Advanced Splinting in Hand and Upper Extremity Rehabilitation (3 Credit Hours)

Prerequisites: Graduate admission to the MHS in OT degree program; permission of chair or instructor. Design and fabricate splints for complex upper extremity impairment.

OTHP 6909 - Ergonomics (3 Credit Hours)

Prerequisites: Graduate admission to the MHS in OT degree program; permission of chair or instructor. Application of ergonomic theory related to occupational performance and productivity. Evaluation and treatment principles to enhance performance are identified for industrial and rehabilitation settings. Evidence-based literature are reviewed and current trends for practice are synthesized.

OTHP 6910 - International Fieldwork Experience Seminar (2 Credit Hours)

This course consists of a range of classroom sessions, activities and assignments that have been developed to facilitate the student experience in an international Level I Fieldwork experience. Students in this course will actively engage in a variety of experiences to gain an understanding about the country of travel and cultural competency. Students are required to engage in project development activities and participate in debriefing sessions post trip.

OTHP 7009 - Fieldwork II Experience A (9 Credit Hours)

Intensive practicum to address the development of competent, entry-level, generalist occupational therapist. Level II Fieldwork experiences are assigned based on the program curriculum design, and includes in-depth experience in delivering occupational therapy services to clients. The fieldwork experiences focus on the application of purposeful and meaningful occupation and research, administration, and management of occupational services.

OTHP 7010 - Fieldwork II Experience B (9 Credit Hours)

Intensive practicum to address the development of competent, entry-level, generalist occupational therapist. Level II Fieldwork experiences are assigned based on the program curriculum design, and includes in-depth experience in delivering occupational therapy services to clients. The fieldwork experiences focus on the application of purposeful and meaningful occupation and research, administration, and management of occupational services. Full-time fieldwork experience applying clinical reasoning in a practice environment.

Prerequisite: Successful completion fieldwork II A or permission of Academic Fieldwork Coordinator. *May be repeated for credit up to 1 time.*

OTHP 7109 - Fieldwork Experience B (9 Credit Hours)

Full-time 12 week fieldwork experience applying clinical reasoning in a practice environment.

OTHP 7303 - Contemporary Practice in Occupational Therapy (3 Credit Hours)

Examination of issues and trends influencing community based practice. Involves the development of a community based program proposal including a contractual agreement, identification of funding sources, outcome benchmarks and promotional and marketing strategies for a community-based setting. Includes Level 1 Fieldwork in a community-based or non-traditional setting.

OTHP 7600 - Elective Fieldwork (1 to 9 Credit Hours)

Full-time fieldwork experience in an identified practice area. Rotation duration is variable and negotiated with the Academic Fieldwork Coordinator and the identified fieldwork site.

PUBLIC ADMINISTRATION (PADM)**PADM 6000 - Survey of Public Administration (3 Credit Hours)**

This course is designed to introduce the MPA student to the intellectual tradition of the field of public administration. It will focus on theories, concepts and methods which have become associated with the discipline of public administration. Prerequisite(s): Permission of the MPA Director.

PADM 6020 - Geographic Information Systems for Public Management (3 Credit Hours)

Introduces students to the use and application of Geographic Information Systems (GIS) in public organizations. The principal focus is on the use of GIS for planning and problem solving at the local government level. Prerequisite(s): Permission of the MPA Director.

PADM 6030 - Grant Writing and Administration (3 Credit Hours)

Grants are an increasingly important source of funding for public and nonprofit organizations. This course is a skill-building course designed to prepare students to write grants as well as to understand the basic concepts of administering a federal, state or private grant award. Prerequisite(s): Permission of the MPA Director.

PADM 6050 - Constitutional and Administrative Law (3 Credit Hours)

The course explores the scope, nature and function of administrative law as it relates to the substantive, procedural and equal protection rights; as well as that law which a reasonably competent public official

should know. Prerequisite(s): Permission of the MPA Director.

PADM 6100 - Public Organization Theory and Behavior (3 Credit Hours)

Offers conceptual and practical perspectives for understanding and managing organizations. A spectrum of theories of organization will be examined. The concepts and issues to be discussed include mechanical and organismic aspects of organizations, organizational culture and politics, organizational psychodynamics, and recent theories of organizing including the use of networks and privatization.

Prerequisite(s): Permission of the MPA Director.

PADM 6150 - Leadership and Ethics (3 Credit Hours)

This course is designed to help students link leadership theory, ethical standards commonly used in the public and nonprofit sectors, to organizational outcomes and standards of best practice. *May be repeated for credit up to 1 time.*

PADM 6200 - Management of Human Resources (3 Credit Hours)

Introduces the student to personnel processes used in the public and nonprofit sector and the legal, political, social, and ethical issues affecting the management of human resources. Prerequisite(s):

Permission of the MPA Director.

PADM 6250 - Introduction to Urban Planning (3 Credit Hours)

This course introduces students to the legal bases and politics of planning, the tools of land-use planning, community development, transportation planning, economic development and growth management, and environmental and energy planning. Particular emphasis will be on the legal and technical aspects of planning in cities, counties, and metropolitan regions. The implications of citizen participation in planning for democracy and political processes will also be discussed. Prerequisite(s): Permission of the MPA Director.

PADM 6300 - Public Budgeting (3 Credit Hours)

This course examines the institutions and techniques of modern financial administration in federal, state, and local government. The course introduces the terminology and processes of budgeting as well as teaches competence in analyzing budgetary problems and proposing solutions. The role of the budget as a tool in expressing priorities in policy choices is emphasized. Prerequisite(s): Permission of the MPA Director.

PADM 6301 - Financial Management for Nonprofit Organizations (3 Credit Hours)

An overview of the financial issues, challenges and opportunities facing nonprofit managers. The course includes instruction in budgeting and financial management strategies appropriate for the nonprofit sector.

Prerequisite(s): Permission of the MPA Director.

PADM 6302 - Nonprofit Management (3 Credit Hours)

This course introduces students to the world of nonprofit management. It covers a broad spectrum of issues including creating a nonprofit, fundraising, recruitment and management of volunteers, the role of program evaluation, and the proper role of a board. Prerequisite(s): Permission of the MPA Director.

PADM 6350 - Emergency Management (3 Credit Hours)

Introduces students to the discipline and profession of applying science, technology, planning and management to deal with disasters. Special emphasis on how local governments and agencies can mitigate, plan, respond and recover from disaster situations. Prerequisite(s): Permission of the MPA Director.

PADM 6351 - Introduction to Homeland Security (3 Credit Hours)

Introduces students to the essential ideas in the emerging discipline of homeland security. Includes basic instruction on the strategy-making process, fear management, crisis communication, conventional and unconventional threats, civil liberties and security, the role of technology, and intelligence and information

collection. Prerequisite(s): Permission of the MPA Director.

PADM 6353 - Information Security Management (3 Credit Hours)

Overview of information security practice management. Topics include information systems security governance and management, risk management, information security program management, incident response management. Prerequisite(s): Permission of the MPA Director.

PADM 6400 - Community Development (3 Credit Hours)

The course examines the process of community development at the local level of government in the United States. The course explains the role of community organizations, in particular public agencies, in development. The course applies the asset model of community development to teach the subject. *May be repeated for credit up to 1 time.*

PADM 6430 - Social Deviance (3 Credit Hours)

The purpose of this course is to provide a sociological analysis of "deviance" with an emphasis on the social construction of deviance and deviant behavior. The course explores major theoretical explanations for understanding and defining who and what gets defined as deviant and under what circumstances as well as the social organization of deviance. Prerequisite(s): Permission of the MPA Director.

PADM 6432 - Juvenile Delinquency and Justice (3 Credit Hours)

This course uses an integrated approach to examine how theories of delinquency causation influence public policy responses. The course focuses on juvenile justice as a legal system, examines motives for the development of the juvenile court system, and analyzes the organization and processes of the contemporary juvenile court and correctional system. Prerequisite(s): Permission of the MPA Director.

PADM 6435 - Crime and Public Policy (3 Credit Hours)

The goals of this course are to introduce students to key concepts in crime policy and help develop their policy analysis skills, including the ability to frame problems and policy alternatives, think critically about empirical evidence, use cost-effectiveness and benefit-cost analysis to compare policy alternatives, and write effective policy memos. The course seeks to develop these skills by considering the relative efficacy of different policy approaches to controlling crime, including imprisonment, policing, drug regulation, and gun-oriented regulation or enforcement, as well as education, social programs and active labor market policies that may influence people's propensity to commit crime.

PADM 6436 - Intimate Partner Violence (3 Credit Hours)

This course uses a criminological and sociological perspective to understand the criminal justice system's response to intimate partner abuse and violence. The development of the field of victimology and the response of social service agencies to these issues is also explored, especially with regard to how victim service agencies intersect with the criminal justice system. Prerequisite(s): Permission of MPA Director.

PADM 6500 - Research Methods in Public Administration (3 Credit Hours)

Introduces the student to the principles of designing research, defining and measuring variables and sampling, and the use of SPSS to analyze data. During this course, students will develop their capstone proposal. Prerequisite(s): PADM 6600 and Permission of the MPA Director.

PADM 6550 - Human Services Administration (3 Credit Hours)

This course is an in-depth consideration of human service agencies and organizations: staff, clients, structure, service delivery, and administration. A strong emphasis is given to developing knowledge and practice skills for interfacing with local regional agencies and resources. Prerequisite(s): Permission of the MPA Director.

PADM 6600 - Analytical Tools for Decision Makers (3 Credit Hours)

Introduces students to the common analytical methods used in public and nonprofit organizations for

decision-making, policy analysis, and program evaluation.

PADM 6650 - Public Policy Analysis (3 Credit Hours)

Introduces students to the economic, political, and social forces that shape public policy along with methods of analyzing policy alternatives.

PADM 6700 - Urban Government Administration (3 Credit Hours)

This course focuses on providing a comprehensive understanding of the origin, development, and growth of urban government. Emphasis will be on alternative forms of urban governments, policymaking and implementation, budgeting and delivery of services. Case studies will be incorporated. Prerequisite(s): Permission of the MPA Director.

PADM 6750 - Program Evaluation (3 Credit Hours)

Focuses on the design and implementation of program evaluation and performance monitoring systems for in-house and privatized public programs and services. Prerequisite(s): PADM 6650 and PADM 6600 and permission of the MPA Director.

PADM 6900 - Graduate Internship (3 Credit Hours)

Prerequisite(s): Permission of the MPA Director. *May be repeated for credit.*

PADM 6950 - Selected Topics (1 to 3 Credit Hours)

This course title will be utilized as needed to create seminars around specialized topics as these issues become prominent on the current public policy agenda. Prerequisite(s): Permission of the MPA Director. *May be repeated for credit.*

PADM 7000 - Directed Reading (1 to 3 Credit Hours)

This course is a structured, individualized research project to be mutually designed by the instructor and student. Prerequisite(s): Permission of the MPA Director. *May be repeated for credit.*

PATHOLOGY (PATH)

PATH 5003 - Surgical Pathology Externship (4 to 8 Credit Hours)

Prerequisite: Phase II. To participate in all activities of surgical pathology. Students will function as supervised residents. They will participate in the examination of tissues and the rendering of diagnoses to clinicians. Students will be part of modern surgical pathology. Limited responsibility under supervision will be commensurate with ability.

PATH 5009 - Clinical Pathology Externship (4 to 8 Credit Hours)

Prerequisite: Phase II. This elective is based on the practical application of clinical laboratory methods and evaluation of results. This objective will be pursued through patient rounds, interpretation of laboratory data, participation in patient treatment, particularly the use of blood and blood components, the development of tests and their evaluation as to future clinical utilization. An opportunity to learn the techniques of hematology, microbiology, clinical chemistry, microscopy, immunohematology and blood banking will be available. This elective includes hands-on instruction.

PATH 5014 - Pathology Off-Campus Externship (4 to 8 Credit Hours)

Opportunity to work in selected areas of anatomic and/or clinical pathology, including such fields as surgical pathology, autopsy, hematology, blood banking, and microbiology in specified programs arranged with an offering pathologist. Students can participate in intra- and inter-departmental conferences. Prerequisite: Phase II. *May be repeated for credit up to 3 times.*

PATH 5016 - Anatomic Pathology Externship (4 to 8 Credit Hours)

Prerequisite: Phase II Pathology

This elective will provide the student opportunity to work with a preceptor who will give the student training in their field of specialty and in the practice of Pathology.

PATH 5019 - Clinical Microbiology Externship (4 to 8 Credit Hours)

An area of mutual interest will be explored through research, literature review, hands-on evaluation, discussions with other laboratories, etc. A written document of the findings will be produced for internal use and ideally for presentation and publication. Alternately, practical training in one or more areas of clinical microbiology can be arranged to meet the individual needs of each student.

PATH 5025 - Pathology Research (3 Credit Hours)

Prerequisite: Phase II Pathology. This elective consists of research experience in selected areas of pathology through special arrangement with a member of the faculty of the department of pathology. Arrangements should be made by the student with a member of the faculty. A description of the proposed project must be submitted to and approved by Dr. Stephen Peiper, Ext 2923. A copy of the description must accompany the green sheet. If the duration of the elective is more than one month, students only receive credit for a one month elective.

PATH 5028 - Introduction to Pathology (4 to 8 Credit Hours)

Provides students with an opportunity to rotate through a busy pathology department and experience the full array of daily functions undertaken in such a department.

PATH 5029 - Forensic Medicine Elective (4 to 8 Credit Hours)

This elective course is designed to provide medical students in their third and fourth year of training an opportunity to rotate with the Georgia Bureau of Investigation, Division of Forensic Sciences in forensic medicine. The medical student will assist with autopsies performed on decedents of all ages, who died from both natural and non-natural causes. The student will learn to correlate investigative data, autopsy findings, and toxicology results to construct differential diagnoses and determine cause and manner of death. The student will gain exposure to the pathology of natural disease and common injury patterns seen in blunt force trauma, sharp force injury, firearms injury, motor vehicle fatalities, asphyxia injuries, temperature and electrical injuries, and suspected elder and child abuse. The student will learn to correctly sign a death certificate, understanding the differences between cause, manner, and mechanism of death. The student will attend criminal court and learn how the medicolegal death investigation system interacts with the criminal and civil legal systems, as well as public health and safety agencies. When possible, the student will rotate through forensic science departments and participate in a mock trial, held in the Georgia Bureau of Investigation training courtroom. When possible, students will gain exposure to forensic odontology and forensic anthropology. Opportunities to publish case reports or participate in retrospective research using death certificate and autopsy data are encouraged.

PATH 5086 - Pathology General Research Elective (4 to 8 Credit Hours)

This rotation allows students to develop a research project to improve patient care, develop stronger medical knowledge in pathology, and become more aware of the recent pathology literature; learn to better critically evaluate pathology literature and use literature for evidenced based medicine practices. The student will develop better communications skills to work effectively with faculty, staff, and other learners. *May be repeated for credit up to 2 times.*

PATH 6010 - Pathology for Medical Illustrators I (3 Credit Hours)

This course includes lectures and clinico-pathological conferences on the basic principles of disease, relevant histopathology and the underlying mechanism at the cellular and sub cellular level. The topics include cell pathology, inflammatory process, hemodynamic disturbances, genetic and metabolic disorders and neoplasia. In addition, pathology of the systemic organs is also covered.

Prerequisite(s): ANAT8050 >= C and ANAT7010 >= C and ANAT7011 >= C

PATH 6011 - Pathology for Medical Illustrators II (2 Credit Hours)

This course includes lectures and clinico-pathological conferences on the basic principles of disease,

relevant histopathology and the underlying mechanism at the cellular and sub cellular level. The topics include cell pathology, inflammatory process, hemodynamic disturbances, genetic and metabolic disorders and neoplasia. In addition, pathology of the systemic organs is also covered.

PEDIATRIC DENTISTRY (PEDD)

PEDD 5511 - Preclinical Pediatric Dentistry (3 Credit Hours)

This course is designed to provide the didactic material and laboratory techniques necessary to prepare the students to diagnose, treatment plan and provide dental treatment for the typical child patient. *May be repeated for credit up to 2 times.*

PEDD 5601 - Preclinical Pediatric Dentistry (3 Credit Hours)

PEDD 5602 - Pediatric Dentistry Seminar (1 Credit Hour)

PEDD 5603 - Dentistry for the Disabled Patient (1 Credit Hour)

PEDD 5611 - Dentistry for Special Needs Patients (1 Credit Hour)

This course is a one day series of presentations in continuing-education format designed to introduce the senior dental student to issues and problems related to providing dental care for patients who are developmentally and physically disabled. *May be repeated for credit up to 2 times.*

PEDD 5701 - Pediatric Dentistry Clinical (0 to 1 Credit Hour)

PEDD 5792 - Pediatric Dentistry Clinic II (1 Credit Hour)

The purpose of this course is to provide opportunities for the students to develop competence in diagnosis, treatment planning and providing dental treatment for the typical child patient. *May be repeated for credit up to 2 times.*

PEDD 5893 - Pediatric Dentistry Clinic III (1 Credit Hour)

The purpose of this course is to provide opportunities for the students to develop competence in diagnosis, treatment planning and providing dental treatment for the typical child patient. *May be repeated for credit up to 2 times.*

PEDIATRIC DENTISTRY - RESIDENT (PEDR)

PEDR 7025 - Pediatric Dentistry Research I (1 Credit Hour)

This is an independent study course offered each semester to residents in pediatric dentistry. Residents are required to complete a research project under faculty guidance. These projects may be clinical or laboratory data collection studies, or, in limited situations, may take the form of case reports and/or comprehensive literature reviews. One half-day per week is provided throughout the program for completion of the research project. *May be repeated for credit up to 2 times.*

PEDR 7032 - Pediatric Dentistry Research II (1 Credit Hour)

This is an independent study course offered each semester to residents in pediatric dentistry. Residents are required to complete a research project under faculty guidance. These projects may be clinical or laboratory data collection studies, or, in limited situations, may take the form of case reports and/or comprehensive literature reviews. One half-day per week is provided throughout the program for completion of the research project.

PEDR 7150 - Pediatric Dentistry Core Curriculum I (13 Credit Hours)

Achieve skill in all academic and clinical aspects of pediatric dentistry through this comprehensive residency program. Gain in-depth knowledge in understanding the development of dentition, cariology and prevention, growth and development, orthodontics, restorative dentistry and dental materials, trauma, and pediatric oral pathology. Acquire practical knowledge in practice management to efficiently run a pediatric dental practice. *May be repeated for credit up to 2 times.*

PEDR 7160 - Clinical Pediatric Dentistry I (16 Credit Hours)

Develops competence in conducting comprehensive clinical evaluations. Generate appropriate treatment plans and provide evidence-based treatments across multiple clinical settings, including the school-based clinic, the Augusta University Surgical Center, and the Children's Hospital of Georgia. Collaborate with faculty in Pediatric Dentistry and the Department of Orthodontics to learn essential skills for evaluating patient growth and development. Collect and interpret orthodontic records and deliver interceptive orthodontic interventions. *May be repeated for credit up to 2 times.*

PEDR 7170 - Hospital Dentistry I (6 Credit Hours)

Understand and function as part of a clinical team in treating both healthy and special needs patients in a hospital setting. Rotate through various departments within the Children's Hospital of Georgia (CHOG) and the Dental College of Georgia (DCG), including pediatric medicine, hematology/oncology, craniofacial clinic, and general anesthesia. Become familiar with the treatment considerations for each special group of patients. Gain exposure to essential skills such as venipuncture, learn to interpret commonly ordered medical tests, and develop competence in maintaining a child patient's airway in the operating room setting. *May be repeated for credit up to 2 times.*

PEDR 7180 - Literature Review I (3 Credit Hours)

Read and evaluate both current and historical literature relevant to pediatric dentistry. Gain insight into how to critically review scientific studies. Develop the skills needed to report on and discuss scientific literature effectively. Establish yourself as a lifelong learner in the field of pediatric dentistry. *May be repeated for credit up to 2 times.*

PEDR 7190 - Special Care Dentistry I (7 Credit Hours)

Investigate all aspects of managing patient behavior to provide appropriate care, including for those with developmental, intellectual, medical, or craniofacial differences. Become skillful in behavior management techniques such as communicative methods, oral sedation, and general anesthesia. Understand the risks and benefits of each technique, along with the legal and ethical considerations. Provide care to patients with developmental, medical, intellectual, and craniofacial differences by utilizing comprehensive behavior guidance strategies. *May be repeated for credit up to 2 times.*

PEDR 7250 - Pediatric Dentistry Core Curriculum II (2 Credit Hours)

Learn and become skillful in all academic aspects of pediatric dentistry. Utilize this knowledge as the cornerstone of all clinical and treatment decisions throughout your practice. Understand key topics, including the development of dentition, cariology and prevention, growth and development, orthodontics, restorative dentistry and dental materials, trauma management, and pediatric oral pathology. Become familiar with and apply the basic concepts of practice management. *May be repeated for credit up to 2 times.*

PEDR 7260 - Clinical Pediatric Dentistry II (29 Credit Hours)

Complete comprehensive clinical evaluations with competence. Generate appropriate treatment plans and provide evidence-based treatments across multiple clinical settings, including the school-based clinic, the Augusta University Surgical Center, and the Children's Hospital of Georgia. Collaborate with faculty in Pediatric Dentistry and the Department of Orthodontics to learn essential skills for evaluating patient growth and development. Collect and interpret orthodontic records and deliver interceptive orthodontic interventions. *May be repeated for credit up to 2 times.*

PEDR 7270 - Hospital Dentistry II (4 Credit Hours)

Understand and function as part of a clinical team in treating both healthy and special needs patients in a hospital setting. Rotate through various departments within the Children's Hospital of Georgia (CHOG) and the Dental College of Georgia (DCG), including pediatric medicine, hematology/oncology, craniofacial clinic, and general anesthesia. Become familiar with the treatment considerations for each special group of patients. Gain exposure to essential skills such as venipuncture, learn to interpret commonly ordered medical tests, and develop competence in maintaining a child patient's airway in the operating room setting. *May be repeated for credit up to 2 times.*

PEDR 7280 - Literature Review II (3 Credit Hours)

Continue to read, evaluate, and gain insight into how to critically review both current and historical literature relevant to pediatric dentistry. Develop the skills needed to report on and discuss scientific literature effectively. Establish yourself as a lifelong learner in the field of pediatric dentistry. *May be repeated for credit up to 2 times.*

PEDR 7290 - Special Care Dentistry I (3 Credit Hours)

Understand all aspects of managing patient behavior to provide appropriate care, including for those with developmental, intellectual, medical, or craniofacial differences. Become proficient in behavior management techniques such as communicative methods, oral sedation, and general anesthesia. Understand the risks and benefits of each technique, along with the legal and ethical considerations. Provide care to patients with developmental, medical, intellectual, and craniofacial differences by utilizing comprehensive behavior guidance strategies. *May be repeated for credit up to 2 times.*

PEDR 8013 - Pediatric Dentistry Research III (1 Credit Hour)

This course offered each semester to residents in pediatric dentistry. Residents are required to complete a research project under faculty guidance. These projects may be clinical or laboratory data collection studies, or, in limited situations, may take the form of case reports and/or comprehensive literature reviews. One half-day per week is provided throughout the program for completion of the research project.

PEDR 8034 - Pediatric Dentistry Research IV (2 Credit Hours)

This is an independent study course offered each semester to residents in pediatric dentistry. Residents are required to complete a research project under faculty guidance. These projects may be clinical or laboratory data collection studies, or, in limited situations, may take the form of case reports and/or comprehensive literature reviews. One half-day per week is provided throughout the program for completion of the research project.

PEDR 8350 - Pediatric Dentistry Core Curriculum III (2 Credit Hours)

Learn and become proficient in all academic aspects of pediatric dentistry. Utilize this knowledge as the cornerstone of all clinical and treatment decisions throughout your practice. Understand key topics, including the development of dentition, cariology and prevention, growth and development, orthodontics, restorative dentistry and dental materials, trauma management, and pediatric oral pathology. Become familiar with and apply the basic concepts of practice management. *May be repeated for credit up to 2 times.*

PEDR 8360 - Clinical Pediatric Dentistry III (29 Credit Hours)

Complete comprehensive clinical evaluations with competence. Generate appropriate treatment plans and provide evidence-based treatments across multiple clinical settings, including the school-based clinic, the Augusta University Surgical Center, and the Children's Hospital of Georgia. Collaborate with faculty in Pediatric Dentistry and the Department of Orthodontics to learn essential skills for evaluating patient growth and development. Collect and interpret orthodontic records and deliver interceptive orthodontic interventions. Continue to develop all aspects of your clinical skills while gaining experience in teaching pediatric dentistry to dental students in the predoctoral clinic. *May be repeated for credit up to 2 times.*

PEDR 8370 - Hospital Dentistry III (2 Credit Hours)

Understand and function as part of a clinical team in treating both healthy and special needs patients in a hospital setting. Rotate through various departments within the Children's Hospital of Georgia (CHOG) and the Dental College of Georgia (DCG), including pediatric medicine, hematology/oncology, craniofacial clinic, and general anesthesia. Become familiar with the treatment considerations for each special group of patients. Gain exposure to essential skills such as venipuncture, learn to interpret commonly ordered medical tests, and develop competence in maintaining a child patient's airway in the operating room setting. *May be repeated for credit up to 2 times.*

PEDR 8380 - Literature Review III (3 Credit Hours)

Read, evaluate, and gain insight into how to critically review both current and historical literature relevant to pediatric dentistry. Develop the skills needed to report on and discuss scientific literature effectively. Establish yourself as a lifelong learner in the field of pediatric dentistry. *May be repeated for credit up to 2 times.*

PEDR 8450 - Pediatric Dentistry Core Curriculum IV (4 Credit Hours)

Learn and become proficient in all academic aspects of pediatric dentistry. Utilize this knowledge as the cornerstone of all clinical and treatment decisions throughout your practice. Understand key topics, including the development of dentition, cariology and prevention, growth and development, orthodontics, restorative dentistry and dental materials, trauma management, and pediatric oral pathology. Become familiar with and apply the basic concepts of practice management. *May be repeated for credit up to 2 times.*

PEDR 8460 - Clinical Pediatric Dentistry IV (29 Credit Hours)

Become competent in completing comprehensive clinical evaluations. Generate appropriate treatment plans and provide evidence-based treatments across multiple clinical settings, including the school-based clinic, the Augusta University Surgical Center, and the Children's Hospital of Georgia. Collaborate with faculty in Pediatric Dentistry and the Department of Orthodontics to learn essential skills for evaluating patient growth and development. Collect and interpret orthodontic records and deliver interceptive orthodontic interventions. Continue to develop all aspects of your clinical skills while gaining experience in teaching pediatric dentistry to dental students in the predoctoral clinic. *May be repeated for credit up to 2 times.*

PEDR 8470 - Hospital Dentistry IV (2 Credit Hours)

Understand and function as part of a clinical team in treating both healthy and special needs patients in a hospital setting. Rotate through various departments within the Children's Hospital of Georgia (CHOG) and the Dental College of Georgia (DCG), including pediatric medicine, hematology/oncology, craniofacial clinic, and general anesthesia. Become familiar with the treatment considerations for each special group of patients. Gain exposure to essential skills such as venipuncture, learn to interpret commonly ordered medical tests, and develop competence in maintaining a child patient's airway in the operating room setting. *May be repeated for credit up to 2 times.*

PEDR 8480 - Literature Review IV (3 Credit Hours)

Read, evaluate, and gain insight into how to critically review both current and historical literature relevant to pediatric dentistry. Develop the skills needed to report on and discuss scientific literature effectively. Establish yourself as a lifelong learner in the field of pediatric dentistry. *May be repeated for credit up to 2 times.*

PEDIATRIC MEDICINE (PEDS)

PEDS 5000 - Basic Clerkship in Pediatrics (18 Credit Hours)

This six week pediatric clerkship provides basic education in child health. The recognition of normal developmental patterns, as well as the impact of age upon the expression of history taking, physical assessment, and laboratory interpretation within the various age groups that comprise pediatric practice. A lecture conference series accompanies the clinical rotations (nursery, ward and clinics) and is designed

to teach the students how to approach common pediatric conditions including health maintenance.

PEDS 5001 - Neonatal Sub-I/Critical Care (12 Credit Hours)

The student will serve in the same capacity as a first-year house officer being directly responsible for patients admitted to the neonatal nurseries. The student will be supervised by the senior NICU resident, the neonatal fellow, neonatal nurse practitioner and the NICU attending. Evaluation and management of high-risk infants will be emphasized and special techniques and procedures used in the care of the sick newborn will be employed.

PEDS 5002 - Pediatric Off-Campus Externship (4 to 8 Credit Hours)

This special elective is offered to provide the student with experience in pediatrics in an off campus setting. It can be served either in a hospital or in a preceptor's office by prior arrangement with them and the department. Selection of a setting can be best accomplished through counsel with your advisor. *May be repeated for credit up to 3 times.*

PEDS 5005 - Pediatric Cardiology Externship (4 to 8 Credit Hours)

This course offers experience in the study of congenital and acquired heart disease with emphasis on the clinical manifestations and findings, and interpretation of diagnostic tests. Correlation of the anatomic malformation with the physiologic alterations are emphasized as well as the natural history and prognosis. A series of tutorial sessions and a course of ECG interpretation will be provided as well as the opportunity to attend teaching sessions within the section. Each day begins with a tutorial. The remainder of the day is devoted to the evaluation and management of infants, children and adults with congenital heart disease seen in the pediatric cardiology practice site.

PEDS 5006 - Pediatric Allergy Immunology Externship (4 to 8 Credit Hours)

Students evaluate patients of all ages presenting with a variety of disorders ranging from common respiratory and cutaneous allergies to uncommon immunologic disorders. They gain experience with allergen skin testing, pulmonary function tests and microscopic examinations of sputum and nasal secretions. Two conferences and two pre-clinic lectures are presented each week.

PEDS 5007 - Pediatric Research (4 to 8 Credit Hours)

This elective consists of research experience in selected areas of pediatrics through special arrangement with the pediatric faculty. For example, if a student desires to have an in-depth experience around a procedural technique or a specific investigative methodology, they may arrange this with a member of the faculty.

PEDS 5009 - Pediatrics Sub-I (12 Credit Hours)

The pediatric substitute intern will serve as an active member (acting intern) of the pediatric house staff under the supervision of the pediatric resident and a pediatric faculty member. The student will have the opportunity for progressive experience in inpatient care. One student will be assigned to the general inpatient pediatric service, and one student will be assigned to the pediatric hematology/oncology service. In December, January, February and March, there will be openings for two students on the general inpatient service. When signing up for this elective, please specify general or hematology/oncology. Due to the limited number of pediatric sub-internships available at MCG, only those students who have declared for pediatrics will be able to sign up during the first six weeks of the elective sign-up period. After this initial six-week sign up period, all students will be able to apply for any available positions, regardless of career choice.

PEDS 5011 - Pediatric Gastroenterology Externship (4 to 8 Credit Hours)

This special elective provides the student an opportunity to participate in the diagnosis and management of gastrointestinal and hepatic disease in children and adolescents (acute and chronic). Patients are seen in clinic, on the inpatient wards and through the operating rooms and endoscopy suite. Topics include acute and chronic diarrhea, recurrent abdominal pain, inflammatory bowel disease, hepatitis (acute and chronic), persistent vomiting, hyperbilirubinemia, gastrointestinal bleeding, constipation, enteral and

parenteral nutrition. A directed reading list will be provided to supplement "hands-on" experience.

PEDS 5013 - Pediatric Infectious Disease Externship (4 to 8 Credit Hours)

The objectives of this rotation include: To provide a one month rotation on the pediatric infectious disease service in order for the student to gain greater experience in diagnosis and management of infectious diseases in infants and children. To learn how to evaluate and complete (write-up) a pediatric consult. To integrate the clinical evaluation of a child with a presumed infectious disease with appropriate microbiology tests (bacterial, fungal and viral cultures, rapid antigen testing, HIV viral load/genotype, serology, etc.) This may include some time working with microbiology technologists directly on the processing of culture specimens, evaluating growth/change in cultures, and interpreting biochemical and other tests to identify specific organisms, etc. To research and present one major topic in pediatric infectious diseases during this rotation.

PEDS 5014 - Newborn Nursery Sub-I (4 to 8 Credit Hours)

Student will act in the same capacity as a first year house officer. Student will be responsible for admit and discharge examinations, attendance at deliveries and management of well infants and those with minor problems under the supervision of a pediatric resident and general pediatric faculty member. Four in-house call nights are required, as chosen by the student.

PEDS 5017 - Pediatric Hematology/Oncology Externship (4 to 8 Credit Hours)

This elective involves both outpatient and inpatient care. The student will learn how to formulate a diagnostic workup. A treatment plan will be developed and the multidisciplinary approach to patient management will be emphasized. The student will attend outpatient clinics each day and evaluate both new and established patients. Blood, spinal fluid and bone marrow smears will be reviewed. A research project can be a part of this elective if the student so desires.

PEDS 5018 - Pediatric Critical Care (12 Credit Hours)

This course is intended for students interested in critical care of infants and children. Students are assigned patients under the supervision of the critical care team and pediatric ICU attending. The focus of student teaching is to learn the basic skills needed for rapidly assessing and treating the critically ill child. Students are taught how to integrate a multiple organ systems approach to problem solving for such medical conditions as respiratory failure, shock, coma, pediatric trauma and care of the post-operative cardiac patient. This elective is NOT an acting internship. The setting is the Pediatric ICU at MCG Hospital. Those individuals interested in pediatrics, emergency medicine, anesthesiology or surgery are encouraged to enroll. Night call is arranged through the Pediatric ICU attending and average one night out of four.

PEDS 5020 - Pediatric Endocrinology Externship (4 to 8 Credit Hours)

This elective is designed to familiarize the student with normal variations in pre-pubertal and pubertal growth patterns, the diagnostic approach to pediatric endocrine conditions and the ongoing management of the conditions. The weekly Pediatric Diabetes Clinics offer the student the opportunity to become familiar with the multidisciplinary approach to a chronic condition. In addition, each week there will be a discussion of a chosen topic.

PEDS 5022 - Pediatric Pulmonology Externship (4 to 8 Credit Hours)

A four-week rotation in pediatric pulmonology will include both inpatient consultation and outpatient management regarding patients with cystic fibrosis, bronchopulmonary dysplasia, asthma, recurrent pneumonias and other common and uncommon respiratory disorders. Didactic sessions are conducted weekly with a reading list provided at the beginning of the course.

PEDS 5025 - Developmental Pediatrics (4 to 8 Credit Hours)

The purpose of this elective is to recognize the problem of childhood developmental delay and disability, the factors that contribute to the problem, the diagnostic process involved and the treatment modalities

available to the patient. Upon completion, students should be able to correctly diagnose patients with various developmental delays and disabilities, understand the socio-economic factors that contribute to the problems, and utilize various treatment modalities for developmental delay and disability in children. Students will be exposed to an interdisciplinary approach which may include speech, occupational, and physical therapy, child psychology, and case management.

PEDS 5026 - Pediatric Enhanced Primary Care "PEPC" (4 to 8 Credit Hours)

The Pediatric Enhanced Primary Care "PEPC" clinic is an integrated behavioral health care clinic for children and adolescents, ages four to 16. Common presenting concerns include social, emotional, behavioral, and developmental deficits, and diagnoses within the neurodevelopmental, depressive, and anxiety disorder sections of the Diagnostic and Statistical Manual of Mental Disorders, Fifth Edition (DSM-5). The interdisciplinary care team includes two pediatricians, a psychologist, a nurse practitioner specializing in sleep dysregulation, a psychiatry fellow, and doctoral psychology trainees. Students will see patients with the providers and will be responsible for completing a project and a case presentation. Prerequisite(s): PEDS5000 >= C

PEDS 5029 - Med-Peds Elective (4 to 8 Credit Hours)

This elective course is designed to provide medical students in their third and fourth year of training an immersive experience in the field of Med-Peds. In this elective, students will work a med-peds faculty member to evaluate and manage both adult and pediatric patients. Students will have the opportunity to develop insight into the med-peds pathway and for mentorship and career development. *May be repeated for credit up to 1 time.*

PEDS 5035 - Pediatric Assistantship at Special Needs Summer Camp (4 to 8 Credit Hours)

This unique elective allows the student to participate as part of the medical team each week in a camp setting with various medical conditions such as brain injury, chronic renal disease/solid organ transplant, hereditary bleeding disorders, cancer, asthma, emotional abuse, and congenital neuromuscular disorders.

PEDS 5036 - Pediatric Sub-Specialties Externship (4 to 8 Credit Hours)

Gain experience with the acute and chronic diseases associated with two different pediatric subspecialties.

PEDS 5037 - Advanced Pediatrics (4 to 8 Credit Hours)

In this course the students will take ownership of learning; develop a strong foundation in clinical reasoning; demonstrate understanding of improvement process and capacity for self-improvement; and work collaboratively and effectively as a member of an interdisciplinary team
Prerequisite(s): PEDS5000 >= C

PEDS 5038 - Spirituality and Medicine (4 Credit Hours)

Students research in-depth a topic of their choice and prepare a paper for presentation/publication. Optionally, they may participate in clinical rounds and other activities in the Department of Pastoral Care.

PEDS 5039 - Pediatric Hospital Medicine Elective (4 Credit Hours)

Provide exposure to inpatient pediatric medicine. Students work on a multidisciplinary team caring for children hospitalized with a wide array of pathologies. *May be repeated for credit up to 1 time.*

PEDS 5040 - Pediatric Palliative Care (4 to 8 Credit Hours)

During the Pediatric Palliative Care rotation medical students will interact with children and families with complex medical conditions and complex medical needs. Emphasis of this rotation will include understanding and implementing therapeutic communication, symptom management and coordination of services. Pediatric palliative care providers interact with the primary medical and surgical teams and assist in implementing discussions on goals of care and understanding "quality of life" as defined by the pediatric patient and family. End of life care will also be implemented as needed for pediatric patients and

families for patients that are in the end stages of an illness.

PEDS 5041 - Pediatric Nephrology (4 to 8 Credit Hours)

This rotation is designed to familiarize the student with the diagnosis, management, and treatment of children with a variety of acute and chronic kidney-related disorders. This includes diagnostic and therapeutic services for children with renal disease, hypertension, fluid-electrolyte disorders, acid-base disorders, pre/post-operative care for end stage renal failure, and acute renal failure. Students will primarily see patients in the outpatient pediatric nephrology clinic and will have the opportunity to review laboratory studies, diagnostic imaging, and observe renal biopsies.

PEDS 5042 - Pediatric Therapy and Rehabilitation: The Medically Complex Child (4 to 8 Credit Hours)

A clinical elective in outpatient pediatric therapy/rehabilitation ideal for students interested in careers in general pediatrics and pediatric subspecialties, physical medicine and rehabilitation, neurology/child neurology, family medicine, or who seek a deeper understanding of speech therapy, physical therapy, and occupational therapy for children. In addition, this elective provides exposure to the "medically complex child" and highlights the need for extensive wrap-around services or a medical home for such patients. This elective requires both in-person clinical patient care under the supervision of speech, physical, and occupational therapists and self-directed reading and reflection.

PEDS 5043 - Pediatric Rheumatology (4 to 8 Credit Hours)

This rotation is designed to provide concentrated exposure to children and adolescents with autoimmune and inflammatory diseases and become familiar with commonly encountered pediatric rheumatologic conditions. The majority of this elective will occur in the outpatient setting and students will also have time for directed reading to further explore the pathophysiology of the diseases encountered.

PEDS 5045 - Pediatric Complex Care (4 to 8 Credit Hours)

Students develop critical thinking and problem-solving skills, providing compassionate and patient-centered care managing pediatric patients with complex medical needs within a collaborative multidisciplinary interprofessional team model. Students work in a collaborative interprofessional multidisciplinary setting with a pediatrician, nurse navigator, dietician, and pharmacist. Students also have assigned time in a transplant clinic and with a speech/feeding therapist.

Prerequisite(s): PEDS 5000 >= C

PEDS 5077 - Pediatric Ambulatory Selective (12 Credit Hours)

The PEDS Ambulatory Selective will prepare students for care of pediatric patients in an ambulatory setting. Students will work in an outpatient setting supervised by a general pediatrician or pediatric subspecialist. Students will independently obtain history and exam, document encounters in the medical record, communicate directly with patients, and give appropriate anticipatory guidance to patients. Students will learn about billing and coding, insurance issues, and meaningful use. Students must complete a portfolio in One45 and a clinical exercise on a pediatric patient. *May be repeated for credit up to 1 time.*

Prerequisite(s): PEDS 5000 >= C

PEDS 5078 - Medicine/Pediatrics Ambulatory Selective (12 Credit Hours)

The MED-PEDS Ambulatory Selective will prepare students for care of adult and pediatric patients in an ambulatory setting. Students will work in an outpatient setting supervised by a physician with med-peds training. Students will independently obtain history and exam, document encounters in the medical record, communicate directly with patients, and give appropriate anticipatory guidance to patients. Students will learn about billing and coding, insurance issues, and meaningful use. *May be repeated for credit up to 1 time.*

Prerequisite(s): PEDS 5000 >= C and GMED 5000 >= C

PEDS 5086 - Introduction to Pediatric Health Promotion/Disease Prevention Research (1 Credit Hour)

Prerequisite: None

Shadow faculty and research staff in their research activities. Topics include evaluation of genetic and environmental contributors to cardiovascular (CV) disease development in youth, neurohormonal mechanisms responsible for changes in CV structure and function,, social and community determinates of health behavior, prevention of CV disease and type 2 diabetes in youth via exercise, smoking prevention, stress reduction, safe exercise practices in the heat incl. Sick cell trait, and community interventions. Under the mentorship of a GPI faculty member, each student will complete an annotated bibliography in an area to be selected by the student within the first 3 weeks, and give a brief talk on the topic.

PEDS 5099 - Pediatric Outpatient Orthopedics Externship (2 Credit Hours)

Students will develop history and physical exam skills related to musculoskeletal disorders in children and adolescents. They will also learn fundamentals of evaluating and managing pediatric patients with congenital and acquired muscular-skeletal disorders and injuries. Students will round on inpatient ward as needed; complete history and physical examinations in clinic and office setting; present and discuss cases with attending physicians on an ongoing bases; and will work in clinic 30-40 hours per week with approximately 6 hours per week in the OR.

Prerequisite(s): GMED 5000 >= C

PEDS 5999 - Basic Clerkship Remediation in Pediatrics (1 Credit Hour)

Remediation of the Basic Core Clerkship in Pediatrics

Prerequisite(s): PEDS

5000

PEDS 6599 - Pediatric Chief Elective (4 to 8 Credit Hours)

The goal of this course is to introduce fourth-year students to their upcoming role as teachers during pediatric residency. Pediatric Student Chiefs help orient third-year students to expectations of the Pediatric Clerkship. Student Chiefs serve as student leaders and are available to the third-year students on the Pediatric Clerkship for support and guidance. Chiefs act as a liaison between students and faculty and participate in bedside and formal teaching. Chiefs work with the Clerkship Director to refine teaching and leadership skills and promote a better educational experience for third-year students.

Prerequisite(s): PEDS 5000

PERIODONTICS – EVIDENCE-BASED DENTISTRY (PEEB)

PEEB 5101 - Evidence-Based Dentistry (3 Credit Hours)

This is a small group, problem-based learning course that will give students the tools they need to understand how to conduct research, to develop into life-long learners and to learn presentation skills. It is comprised of several learning modules, consisting of a brief orientation by the faculty, then followed by self-paced learning by the students in randomly generated small groups. There will be only one mid-term online quiz to evaluate progression on general concepts given during class, and there will be only one final 10-minute presentation after the development of a virtual research proposal (and the execution with virtual data analysis) by each team. The ultimate goal of PEEB 5101 is to provide specific tools for the dental student to become a lifelong learner dentist (with a clear understanding of evidence-based dentistry and the scientific method) with a fundamental critical approach to the dental literature. *May be repeated for credit up to 2 times.*

PERIODONTICS – IMPLANTOLOGY (PEIM)

PEIM 5611 - Introduction to Oral Implantology (2 Credit Hours)

This course designed to introduce the basic concepts and principles related to dental and oral implantology. Historical perspectives, implant biomaterials and devices, principles of placement,

reconstruction and maintenance, current problems, controversies and research directions are among the topics included. *May be repeated for credit up to 2 times.*

PERIODONTICS (PERI)

PERI 5211 - Fundamentals of Periodontology (2 Credit Hours)

This course provides lectures and seminars to introduce and orient the student to the fundamentals of periodontology. Lecture topics include periodontal anatomy, epidemiology and classification of periodontal diseases, periodontal etiology and pathogenesis, and clinical and microbiological characteristics of various non-plaque associated and plaque-associated periodontal diseases and conditions. In addition, this course includes two clinical experiences, one emphasizing periodontal charting in AxIUm, the other a first experience performing probing depths, gingival index, bleeding on probing, and gingival recession or overgrowth measurements on each other. This is their first experience examining a patient. *May be repeated for credit up to 2 times.*

PERI 5302 - Non-Surgical Periodontics (1 Credit Hour)

This course will familiarize you with the principles and skills required to provide non-surgical periodontal therapy. You should be aware that all periodontal disease requires non-surgical treatment as a first step. This will not only be the foundation for your experience in the pre-doctoral clinics, but also for your practice after graduation. *May be repeated for credit up to 2 times.*

PERI 5591 - Periodontics Clinic I (2 Credit Hours)

A clinical course in which the student, under faculty supervision, diagnoses their patient's periodontal conditions and provides treatment for mildly/moderately involved cases. The need for early treatment and effective patient-performed disease control measures is emphasized. *May be repeated for credit up to 2 times.*

PERI 5613 - Surgical Periodontics (2 Credit Hours)

This course is designed to introduce the student to basic surgical techniques available to manage selected periodontal cases. Material covered will include surgical techniques such as the gingivectomy, modified widman flap, open flap curettage, apically positioned flap, etc. The laboratory exercise in this course is designed to provide the student with an opportunity to gain limited hands-on pre-clinical surgical experience. *May be repeated for credit up to 2 times.*

PERI 5692 - Periodontics Clinic II (2 Credit Hours)

A clinical course in which the student, under faculty supervision, diagnoses their patient's periodontal conditions and provides treatment for mildly/moderately involved cases. The need for early treatment and effective patient-performed disease control measures is emphasized. *May be repeated for credit up to 2 times.*

PERI 5704 - Periodontics in General Practice (1 Credit Hour)

This course for D4 dental students will be presented in a lecture. Classes meet weekly, with an online component as a reference resource. The objectives of this course are to enable students to integrate periodontics into general dental practice and to prepare the students for integrated National Board Dental Examination (INBDE) and licensing exam. *May be repeated for credit up to 2 times.*

PERI 5793 - Periodontics Clinic III (1 Credit Hour)

A clinical course in which the student, under faculty supervision, diagnoses their patient's periodontal conditions and provides treatment for mildly involved cases. The need for early treatment and effective patient-performed disease control measures is emphasized. *May be repeated for credit up to 2 times.*

PERI 5894 - Periodontics Clinic IV (1 Credit Hour)

A clinical course in which the student, under faculty supervision, diagnoses their patient's periodontal

conditions and provides treatment for mildly involved cases. The need for early treatment and effective patient-performed disease control measures is emphasized. *May be repeated for credit up to 2 times.*

PERIODONTICS – RESIDENT (PERR)

PERR 7001 - Orientation for New Residents (10 Credit Hours)

This is an orientation course, in which residents are instructed in periodontal case documentation procedures, intraoral photography, record keeping and clinical protocol. Common therapeutic techniques used in advanced periodontal therapy are also presented and discussed, including such topics as behavior modification, mucogingival surgery, flaps, pedicle and free gingival grafts, guided tissue regeneration, osseous grafts. The course includes laboratory sessions for intraoral photography, periodontal case presentations, and surgical procedures are practiced on pig jaws.

PERR 7002 - Anesthesia Rotation (1 Credit Hour)

Residents will spend one week on rotation to gain clinical experience in pre-sedation evaluation of patients, venipuncture, administration of IV drugs, evaluation of sedation effects on patients, and post-sedation evaluation. Some airway management may also be performed if the situation presents itself. *May be repeated for credit up to 2 times.*

PERR 7004 - Periodontal Literature Review I (3 Credit Hours)

Seminars on relevant readings in the periodontal literature. This is a weekly seminar in both the fall and spring semesters. Articles are assigned on specific topics; residents read and abstract the articles, and the articles are reviewed and critically discussed in the seminar session. *May be repeated for credit up to 2 times.*

PERR 7005 - Periodontal Literature Review II (4 Credit Hours)

Seminars on relevant readings in the periodontal literature. This is a weekly seminar in both the fall and spring semesters. Articles are assigned on specific topics; residents read and abstract the articles, and the articles are reviewed and critically discussed in the seminar session. *May be repeated for credit up to 2 times.*

PERR 7006 - Periodontal Journal Club I (2 Credit Hours)

Residents review current articles from the last 12 months of periodontal and dental implant literature. Specific articles are selected and critiqued in seminar sessions. In addition, topic based lit review is being coordinated by each resident in these seminar sessions. *May be repeated for credit up to 2 times.*

PERR 7007 - Periodontal Journal Club II (2 Credit Hours)

Residents review current articles from the last 12 months of periodontal and dental implant literature. Specific articles are selected and critiqued in seminar sessions. In addition, topic based lit review is being coordinated by each resident in these seminar sessions. *May be repeated for credit up to 2 times.*

PERR 7008 - Periodontal Treatment Planning and Surgery Seminar I (4 Credit Hours)

Residents prepare and present formal case presentations of patients they are treating in the periodontics clinic. These presentations include a complete data base, diagnosis/prognosis, treatment plan, treatment procedures, and evaluation of treatment results. Residents also present series of slides that were obtained during periodontal surgery performed on their patients for critical evaluation and discussions. *May be repeated for credit up to 2 times.*

PERR 7009 - Periodontal Treatment Planning and Surgery Seminar II (4 Credit Hours)

Residents prepare and present formal case presentations of patients they are treating in the periodontics clinic. These presentations include a complete data base, diagnosis/prognosis, treatment plan, treatment

procedures, and evaluation of treatment results. Residents also present series of slides that were obtained during periodontal surgery performed on their patients for critical evaluation and discussions. *May be repeated for credit up to 2 times.*

PERR 7010 - Periodontal Research I (2 Credit Hours)

All residents must participate in a research project and prepare and submit a manuscript based on their research for publication. In addition, periodic presentations of resident's progress on their research projects are made in seminar sessions in the periodontics department and at local, regional, national and international conferences. Residents are strongly encouraged to be involved in a research project that leads to the defense of a thesis for either the MS or PhD in Oral Biology. *May be repeated for credit up to 2 times.*

PERR 7011 - Periodontal Research II (2 Credit Hours)

All residents must participate in a research project and prepare and submit a manuscript based on their research for publication. In addition, periodic presentations of resident's progress on their research projects are made in seminar sessions in the periodontics department and at local, regional, national and international conferences. Residents are strongly encouraged to be involved in a research project that leads to the defense of a thesis for either the MS or PhD in Oral Biology. *May be repeated for credit up to 2 times.*

PERR 7012 - Undergraduate Teaching I (2 Credit Hours)

Periodontics residents have responsibility to teach sophomore, junior and senior dental students in the undergraduate periodontal clinical program. Residents also present in a lecture/seminar course in Periodontics for senior dental students. *May be repeated for credit up to 2 times.*

PERR 7020 - Topics in Periodontics (1 credit hour)

Introduces residents to the most common periodontal procedures, rationale, armamentarium and associated dental codes. *May be repeated for credit up to 2 times.*

PERR 7101 - Clinical Periodontics I (20 Credit Hours)

Patients with different types and severity of periodontal disease are treated using current modalities in both the Dental College of Georgia Graduate Periodontics Clinic and the VA Medical Center Dental Clinic. Post-doctoral students receive experiences with all accepted methods of periodontal treatment, and dental implantology in a population of medically compromised patients.

PERR 7102 - Clinical Periodontics 2 (24 Credit Hours)

Clinical Patient Care

PERR 8006 - Periodontal Literature Review III (3 Credit Hours)

Seminars on relevant readings in the periodontal literature. This is a weekly seminar in both the fall and spring semesters. Articles are assigned on specific topics; residents read and abstract the articles, and the articles are reviewed and critically discussed in the seminar session. *May be repeated for credit up to 2 times.*

PERR 8007 - Periodontal Literature Review IV (4 Credit Hours)

Seminars on relevant readings in the periodontal literature. This is a weekly seminar in both the fall and spring semesters. Articles are assigned on specific topics; residents read and abstract the articles, and the articles are reviewed and critically discussed in the seminar session. *May be repeated for credit up to 2 times.*

PERR 8008 - Periodontal Journal Club III (2 Credit Hours)

Residents review current articles from the last 12 months of periodontal and dental implant literature. Specific articles are selected and critiqued in seminar sessions. In addition, topic based lit review is being

coordinated by each resident in these seminar sessions. *May be repeated for credit up to 2 times.*

PERR 8009 - Periodontal Journal Club IV (2 Credit Hours)

Residents review current articles from the last 12 months of periodontal and dental implant literature. Specific articles are selected and critiqued in seminar sessions. In addition, topic based lit review is being coordinated by each resident in these seminar sessions. *May be repeated for credit up to 2 times.*

PERR 8010 - Periodontal Treatment Planning and Surgery Seminar III (4 Credit Hours)

Residents prepare and present formal case presentations of patients they are treating in the periodontics clinic. These presentations include a complete data base, diagnosis/prognosis, treatment plan, treatment procedures, and evaluation of treatment results. Residents also present series of slides that were obtained during periodontal surgery performed on their patients for critical evaluation and discussions. *May be repeated for credit up to 2 times.*

PERR 8011 - Periodontal Surgery and Treatment Planning Seminar IV (4 Credit Hours)

Residents prepare and present formal case presentations of patients they are treating in the periodontics clinic. These presentations include a complete data base, diagnosis/prognosis, treatment plan, treatment procedures, and evaluation of treatment results. Residents also present series of slides that were obtained during periodontal surgery performed on their patients for critical evaluation and discussions. *May be repeated for credit up to 2 times.*

PERR 8012 - Periodontal Research III (2 Credit Hours)

All residents must participate in a research project and prepare and submit a manuscript based on their research for publication. In addition, periodic presentations of resident's progress on their research projects are made in seminar sessions in the periodontics department and at local, regional, national and international conferences. Residents are strongly encouraged to be involved in a research project that leads to the defense of a thesis for either the MS or PhD in Oral Biology. *May be repeated for credit up to 2 times.*

PERR 8013 - Periodontal Research IV (2 Credit Hours)

All residents must participate in a research project and prepare and submit a manuscript based on their research for publication. In addition, periodic presentations of resident's progress on their research projects are made in seminar sessions in the periodontics department and at local, regional, national and international conferences. Residents are strongly encouraged to be involved in a research project that leads to the defense of a thesis for either the MS or PhD in Oral Biology. *May be repeated for credit up to 2 times.*

PERR 8014 - Undergraduate Teaching II (2 Credit Hours)

Periodontics residents have responsibility to teach sophomore, junior and senior dental students in the undergraduate periodontal clinical program. Residents also present in a lecture/seminar course in Periodontics for senior dental students. *May be repeated for credit up to 2 times.*

PERR 8015 - Undergraduate Teaching III (2 Credit Hours)

Periodontics residents have responsibility to teach sophomore, junior and senior dental students in the undergraduate periodontal clinical program. Residents also present in a lecture/seminar course in Periodontics for senior dental students. *May be repeated for credit up to 2 times.*

PERR 8016 - Periodontal Medicine/Medically Complex Patient Seminar I (1 Credit Hour)

This is a seminar course designed to address the inter-relationship between host systemic conditions and periodontal diseases, and the management of patients with complex medical histories. This course is intended to provide a thorough evidence-based review and understanding of how the periodontal tissues

are affected by systemic diseases/disorders as well as the systemic consequences of periodontal disease. This course is given over two semesters to all residents of the Advanced Education in Periodontics program. One-hour presentations are developed and presented by each resident every other week on selected topics related to Periodontal Medicine in conjunction with an in-depth discussion of the management of the medically complex patient using a combined literature-review, case presentation format. Guest/faculty lectures on different related topics may be included as well. *May be repeated for credit up to 2 times.*

PERR 8019 - Periodontal Medicine/Medically Complex Patient Seminar II (1 Credit Hour)

This is a seminar course designed to address the inter-relationship between host systemic conditions and periodontal diseases, and the management of patients with complex medical histories. This course is intended to provide a thorough, evidence-based review and understanding of how the periodontal tissues are affected by systemic diseases/disorders, as well as the systemic consequences of periodontal disease. This course is given over two semesters to all residents of the Advanced Education in Periodontics program. One-hour presentations are developed and presented by each resident every other week on selected topics related to Periodontal Medicine in conjunction with an in-depth discussion of the management of the medically complex patient using a combined literature-review, case-presentation format. Guest/faculty lectures on different related topics may be included as well. *May be repeated for credit up to 2 times.*

PERR 8020 - Topics in Periodontics II (1 Credit Hour)

Introduces residents to the most common periodontal procedures, rationale, armamentarium and associated dental codes. *May be repeated for credit up to 2 times.*

PERR 8104 - Clinical Periodontics 3 (25 Credit Hours)

Patients with different types and severity of periodontal disease are treated using current modalities in both the Dental College of Georgia Graduate Periodontics Clinic and the VA Medical Center Dental Clinic. Post-doctoral students receive experiences with all accepted methods of periodontal treatment, and dental implantology in a population of medically compromised patients.

PERR 8105 - Clinical Periodontics 4 (24 Credit Hours)

Clinical Patient Care

PERR 9008 - Periodontal Literature Review V (3 Credit Hours)

Seminars on relevant readings in the periodontal literature. This is a weekly seminar in both the fall and spring semesters. Articles are assigned on specific topics; residents read and abstract the articles, and the articles are reviewed and critically discussed in the seminar session. *May be repeated for credit up to 2 times.*

PERR 9009 - Periodontal Literature Review VI (4 Credit Hours)

Seminars on relevant readings in the periodontal literature. This is a weekly seminar in both the fall and spring semesters. Articles are assigned on specific topics; residents read and abstract the articles, and the articles are reviewed and critically discussed in the seminar session. *May be repeated for credit up to 2 times.*

PERR 9010 - Periodontal Journal Club V (2 Credit Hours)

Residents review current articles from the last 12 months of periodontal and dental implant literature. Specific articles are selected and critiqued in seminar sessions. In addition, topic based lit review is being coordinated by each resident in these seminar sessions. *May be repeated for credit up to 2 times.*

PERR 9011 - Periodontal Journal Club VI (2 Credit Hours)

Residents review current articles from the last 12 months of periodontal and dental implant literature. Specific articles are selected and critiqued in seminar sessions. In addition, topic based lit review is being

coordinated by each resident in these seminar sessions. *May be repeated for credit up to 2 times.*

PERR 9012 - Periodontal Treatment Planning and Surgery Seminar V (4 Credit Hours)

Residents prepare and present formal case presentations of patients they are treating in the periodontics clinic. These presentations include a complete data base, diagnosis/prognosis, treatment plan, treatment procedures, and evaluation of treatment results. Residents also present series of slides that were obtained during periodontal surgery performed on their patients for critical evaluation and discussions. *May be repeated for credit up to 2 times.*

PERR 9013 - Periodontal Treatment Planning and Surgery Seminar VI (4 Credit Hours)

Residents prepare and present formal case presentations of patients they are treating in the periodontics clinic. These presentations include a complete data base, diagnosis/prognosis, treatment plan, treatment procedures, and evaluation of treatment results. Residents also present series of slides that were obtained during periodontal surgery performed on their patients for critical evaluation and discussions. *May be repeated for credit up to 2 times.*

PERR 9014 - Periodontal Research V (2 Credit Hours)

All residents must participate in a research project and prepare and submit a manuscript based on their research for publication. In addition, periodic presentations of resident's progress on their research projects are made in seminar sessions in the periodontics department and at local, regional, national and international conferences. Residents are strongly encouraged to be involved in a research project that leads to the defense of a thesis for either the MS or PhD in Oral Biology. *May be repeated for credit up to 2 times.*

PERR 9015 - Periodontal Research VI (2 Credit Hours)

All residents must participate in a research project and prepare and submit a manuscript based on their research for publication. In addition, periodic presentations of resident's progress on their research projects are made in seminar sessions in the periodontics department and at local, regional, national and international conferences. Residents are strongly encouraged to be involved in a research project that leads to the defense of a thesis for either the MS or PhD in Oral Biology. *May be repeated for credit up to 2 times.*

PERR 9016 - Undergraduate Teaching IV (2 Credit Hours)

Periodontics residents have responsibility to teach sophomore, junior and senior dental students in the undergraduate periodontal clinical program. Residents also present in a lecture/seminar course in Periodontics for senior dental students. *May be repeated for credit up to 2 times.*

PERR 9017 - Undergraduate Teaching V (2 Credit Hours)

Periodontics residents have responsibility to teach sophomore, junior and senior dental students in the undergraduate periodontal clinical program. Residents also present in a lecture/seminar course in Periodontics for senior dental students. *May be repeated for credit up to 2 times.*

PERR 9020 - Topics in Periodontics III (1 credit hour)

Introduces residents to the most common periodontal procedures, rationale, armamentarium and associated dental codes. *May be repeated for credit up to 2 times.*

PERR 9107 - Clinical Periodontics V (27 Credit Hours)

Patients with different types and severity of periodontal disease are treated using current modalities in both the Dental College of Georgia Graduate Periodontics Clinic and the VA Medical Center Dental Clinic. Post-doctoral students receive experiences with all accepted methods of periodontal treatment, and

dental implantology in a population of medically compromised patients.

PERR 9108 - Clinical Periodontics VI (24 Credit Hours)

Patients with different types and severity of periodontal disease are treated using current modalities in both the Dental College of Georgia Graduate Periodontics Clinic and the VA Medical Center Dental Clinic. Post-doctoral students receive experiences with all accepted methods of periodontal treatment, and dental implantology in a population of medically compromised patients.

PERR 9109 - Oral Medicine Oral Pathology Rotation (1 Credit Hour)

Residents participate in a clinical rotation in the Oral Medicine and Oral Pathology Clinic at Augusta University Dental College of Georgia during their third year. Residents observe and assist oral medicine/oral pathology faculty in the evaluation and management of patients with various oral medicine, oral pathology, and chronic pain diagnoses. *May be repeated for credit up to 2 times.*

PHYSICIAN ASSISTANT (PHAS)

PHAS 5010 - Medical Terminology (1 Credit Hour)

Instruction to equip students with strong skills in medical communication and terminology and its application to patient care.

PHAS 5011 - Principles of Professional Practices (1 Credit Hour)

Instruction related to credentialing, historical development, laws and regulations regarding professional practice and conduct, licensure and certification, the PA relationship with the physician and other health care providers, policy issues that affect practice, and professional organizations. There is also instruction related to time management and effective study skills.

PHAS 5015 - Medical Communications (1 Credit Hour)

Presents the skills necessary for obtaining a complete medical history and enhancing good communication among patients and healthcare team members.

PHAS 5020 - Genetics (1 Credit Hour)

A survey course of medical genetics using case-based instruction.

PHAS 5100 - Ethics and Professional Practice Issues (1 Credit Hour)

This course helps the students explore issues of medical practice. Students debate both sides of ethical issues such as patient confidentiality, patient rights and clinical experimentation/investigation; aspects of dependent practice, and roles of other healthcare providers involved in medical team approach to medical care, legal issues, quality assurance, and risk management. Facilitates development of realistic role identity for the physician assistant.

PHAS 5115 - Physical Assessment (3 Credit Hours)

Prerequisite: Admission to the PA program; successful completion of summer semester coursework. This course presents physical examination skills and techniques. Introduces variations of normal and common abnormal physical findings. Students will also learn how to document the physical exam.

PHAS 5125 - Principles of Pharmacology for the Clinician (1 Credit Hour)

Acquire knowledge of foundational concepts of pharmacology.

PHAS 5131 - Orthopedics (3 Credit Hours)

Diagnosis and treatment of common disorders in orthopedics.

PHAS 5132 - Dermatology (2 Credit Hours)

Diagnosis and treatment of common disorders in dermatology.

PHAS 5133 - Ophthalmology/Otolaryngology (2 Credit Hours)

A multi-instructor clinical didactic course with the focus on common disease entities in Ophthalmology and Otolaryngology. Course lecturers include PAD faculty, Clinical faculty of the Augusta University School of Medicine, and other clinical PAs/physician specialists from the community. Each individual lectures in their field of expertise.

PHAS 5134 - Infectious Diseases (2 Credit Hours)

Diagnosis and treatment of common disorders in infectious diseases.

PHAS 5135 - EKG Interpretation (1 Credit Hour)

Acquire knowledge of the method, physiology, and interpretation of electrocardiograms. *May be repeated for credit up to 3 times.*

PHAS 5137 - Diagnostic Methods and Pathology (2 Credit Hours)

Acquire foundational knowledge of pathology and diagnostic methods/tests.

PHAS 5138 - Anatomy, Pathophysiology, and Genetic Mechanism of Disease I (1 credit hour)

A study of the structure and function of human biology cells, tissues, organs, and the fundamental physiology principles of the following systems: Dermatology, Ophthalmology/Otolaryngology, Infectious Disease, EKG, and Orthopedics. Also provides a study of the basic genetic concepts related to Dermatology, Ophthalmology/Otolaryngology, Infectious Disease, EKG, and Orthopedics.

PHAS 5139 - Professional Practices I (1 credit hour)

Instruction related to credentialing, historical development, laws and regulations regarding professional practice and conduct, licensure and certification, the PA relationship with the physician and other health care providers, policy issues that affect practice, and professional organizations. Instruction-related time management and effective study skills are learned.

PHAS 5140 - Clinical Skills Integration and Application I (1 Credit Hour)

Prerequisite: Admission to the PA program; successful completion of summer and fall semester coursework.

Clinical training using both real and standardized patients for obtaining histories and performing physical exams. Enhances acquisition of skills necessary to formulate a diagnosis and treatment plan using case-based instruction.

Grade Mode: Normal (A, B, C, D, F), Satisfactory/Unsatisfactory

PHAS 5200 - Essentials of Psychiatry (2 Credit Hours)

Prerequisite: Admission to the PA Program, successful completion of summer and fall semester coursework.

General survey of fundamental principles underlying human behavior, development, learning, memory, motivation, and social and abnormal behavior. Emphasis on improving communication skills, integrating knowledge of psychosocial principles and clinical diagnosis using case-based instruction.

PHAS 5210 - Pharmacotherapeutics I (3 Credit Hours)

Prerequisites: Admission to the PA Program, successful completion of summer and fall semester coursework.

General principles of pharmacotherapeutics as related to medications used in treatment of injury or disease conditions affecting body systems discussed in PAD 5120 using case-based instruction.

PHAS 5215 - Pharmacotherapeutics I (2 Credit Hours)

Acquire knowledge of pharmacology by body system.

PHAS 5221 - Cardiology (3 Credit Hours)

Diagnosis and management of common disorders of the heart and vascular system.

PHAS 5222 - Pulmonology (3 Credit Hours)

Diagnosis and management of common disorders of the pulmonary system.

PHAS 5223 - Nephrology/Urology (2 Credit Hours)

Diagnosis and the management of common disorders of the genitourinary system.

PHAS 5224 - Gastroenterology (2 Credit Hours)

Diagnosis and the management of common disorders of the GI system.

PHAS 5226 - BLS and Airway Management (1 Credit Hour)

Cardiopulmonary resuscitation with basic and advanced airway management skills. *May be repeated for credit up to 3 times.*

PHAS 5227 - Hematology and Oncology (2 Credit Hours)

Diagnosis and the management of common disorders of the blood and cancers.

PHAS 5228 - Anatomy, Pathophysiology, and Genetic Mechanism of Disease II (1 credit hour)

A study of the structure and function of human biology cells, tissues, organs, and the fundamental physiology principles of the following systems: Cardiology, Pulmonology, Gastroenterology, Urology, Nephrology, Hematology, and Oncology. Also provides a study of the basic genetic concepts related to Cardiology, Pulmonology, Gastroenterology, Urology, Nephrology, Hematology, and Oncology.

PHAS 5229 - Professional Practices II (1 credit hour)

Instruction related to credentialing, historical development, laws and regulations regarding professional practice and conduct, licensure and certification, the PA relationship with the physician and other health care providers, policy issues that affect practice, and professional organizations. There is also instruction-related time management and effective study skills.

PHAS 5230 - Clinical Skills Integration and Application II (1 Credit Hour)

Prerequisites: Admission to the PA program, successful completion of summer and fall semester coursework. Clinical training using both real and standardized patients for obtaining histories and performing physical exams. Enhances acquisition of skills necessary to formulate a diagnosis and treatment plan using case-based instruction. Continuation of PHAS 5140.

PHAS 5300 - Pharmacotherapeutics II (3 Credit Hours)

Prerequisites: Admission to the PA program, successful completion of summer, fall and spring semester coursework. General principles of pharmacotherapeutics as related to medications used in treatment of injury or disease conditions affecting body systems discussed in PHAS 5130, 5220 and 5310 using care-based instruction.

PHAS 5311 - Pediatrics (2 Credit Hours)

Diagnosis and treatment of common disorders of the pediatric patient.

PHAS 5312 - Obstetrics and Gynecology (2 Credit Hours)

Diagnosis and management of pregnancy and disorders of the female reproductive system.

PHAS 5313 - Endocrinology (2 Credit Hours)

Diagnosis and management of common disorders of the endocrine system.

PHAS 5314 - Neurology (3 Credit Hours)

Diagnosis and management of common disorders of the neurologic system.

PHAS 5315 - Anatomy, Pathophysiology, and Genetic Mechanism of Disease III (1 Credit Hour)

A study of the structure and function of human biology cells, tissues, organs, and the fundamental physiology principles of the following systems: Reproductive, Endocrine, and Pediatric. Also provides a study of the basic genetic concepts related to Reproductive, Endocrine, and Pediatric.

PHAS 5316 - Critical Care (1 Credit Hour)

Advances in technology and medicine mean that increasing numbers of severely ill patients are surviving with a corresponding need for intensive care physician assistants. Critically ill patients are often managed in an intensive care unit within a hospital where sophisticated equipment is available to enable frequent monitoring of vital signs, assisted ventilation and, when life-threatening crises occur, rapid resuscitation measures. This course focuses on the causes of single and multi-organ system dysfunction and the human responses to life threatening illness. Lectures within the course explores restoring physiologic stability to the severely ill patient. Core concepts of complex pathophysiology, current treatment modalities, and the role physician assistants when providing care to critically ill patients are discussed.

PHAS 5317 - Professional Practices III (1 Credit Hour)

Introduces many of the principles and practices of health policy along with in-depth analysis of various medical ethical scenarios. Considers the impact of socioeconomic issues affecting health care and an overview of selected aspects of the various health care systems to include HMO, PPO, Medicare and Medicaid. Other issues such as professional and legal ethics are discussed. This course presents overviews of PA professional organizations, PA program accreditation, as well as certification of PAs. The interrelated issues of licensure, credentialing and professional liability are also explored at an introductory level. Students who perform well in the course also tend to apply themselves very diligently to understanding key concepts and not just rote memorization of course materials.

PHAS 5320 - Emergency Medicine (2 Credit Hours)

Prerequisites: Admission to the PA program, successful completion of summer, fall, and spring semester coursework. Clinically oriented didactic course used as a foundation for clinical rotations in emergency medicine. Focus on common acute conditions encountered in primary care and surgical settings. Primary goals are to present concepts and principles which characterize discipline of emergency medicine and to provide basic ER skills using case-based instruction.

PHAS 5330 - Surgery (2 Credit Hours)

Prerequisites: Admission to the PA program, successful completion of summer, fall and spring semester coursework. Clinically oriented didactic and lab skills course used as a foundation for clinical rotations in surgery and emergency medicine. Focus on common surgical conditions encountered in surgical settings. Primary goals are to present concepts and principles which characterize disciplines of surgery and to provide basic surgical skills using case-based instruction.

PHAS 5340 - Clinical Skills Integration and Application III (1 Credit Hour)

Prerequisites: Admission to the PA program, successful completion of summer, fall, and spring semester coursework. Clinical training using both real and standardized patients for obtaining histories and performing physical exams. Enhances acquisition of skills necessary to formulate a diagnosis and treatment plan using case-based instruction. Continuation course of PHAS 5230.

PHAS 5360 - Evidence-Based Medicine and Medical Writing (1 Credit Hour)

Research skills, study evaluation for evidence-based medical decisions and article writing.

PHAS 5400 - Pharmacotherapeutics III (3 Credit Hours)

Acquire knowledge of the pharmacotherapeutics for different body system diseases.

PHAS 6000 - PA Clinical Practicum (0 Credit Hours)

The Physician Assistant (PA) Department created a "zero credit hour course" to use for tracking clinical year students when there are no other remaining required PA courses to register for during a particular semester. This situation has developed during the COVID-19 pandemic. As the PA students continue their training with incompletes, the Registrar's Office will need a course for tracking purposes only while students are out on clinical rotations.

PHAS 6020 - Surgery Practicum (4 Credit Hours)

Prerequisites: Successful completion of PA didactic coursework.

Assignment to surgical team to learn routine surgical management of both inpatients and outpatients. Emphasis on preoperative evaluation and preparatory procedures, assisting at the operating table, and management of patients from preoperative period through to discharge.

PHAS 6027 - Adult Medicine Practicum (4 Credit Hours)

This adult medicine practicum educates the student in the evaluation, diagnosis, and treatment of acute/chronic adult diseases in an inpatient and/or outpatient clinical setting. *May be repeated for credit up to 1 time.*

PHAS 6028 - Adult Medicine Practicum II (4 Credit Hours)

This practicum educates the student in the evaluation, diagnosis, and treatment of acute/chronic adult diseases in an inpatient and/or outpatient clinical setting through exposure to clinical teaching in various adult medicine sub-specialties.

PHAS 6035 - Family Medicine Practicum (4 Credit Hours)

Exposes student to family medicine specialty in the inpatient and outpatient setting.

PHAS 6040 - Emergency Medicine Practicum (4 Credit Hours)

Prerequisites: Successful completion of PA didactic coursework.

Evaluation and management of emergency and surgical problems of ambulatory patient. Emergency room setting facilitates experience in initial evaluation of acute medical and surgical conditions, performance of problem-specific examinations and minor surgical skills.

PHAS 6050 - Pediatric Practicum (4 Credit Hours)

Prerequisites: Successful completion of PA didactic coursework.

Assigned to institutional setting or community-based pediatric site with emphasis on communication skills and relating sensitively to children and parents. Normal growth and development, pediatric preventive medicine, and evaluation and management of common childhood illnesses.

PHAS 6060 - Psychiatric and Addiction Medicine Practicum (4 Credit Hours)

Prerequisites: Successful completion of PA didactic coursework.

Assignment to psychiatric and/or behavioral clinical inpatient or outpatient setting. Placement facilitates acquisition of communication and behavioral modification skills useful in primary care settings.

PHAS 6061 - Senior Thesis and PA Professional Practice I (1 credit hour)

Allows students to reinforce and demonstrate mastery of professional behaviors, professional practice, analysis of medical literature, application of evidence-based medicine, and professional writing skills.

PHAS 6070 - Women's Health Practicum (4 Credit Hours)

Prerequisites: Successful completion of PA didactic coursework.

Common gynecological problems, pregnancy and delivery. Assisting at operating table may be significant aspect of rotation. Emphasis on clinical experience with cancer detection techniques, abnormal menstruation and bleeding, infections, and contraception counseling.

PHAS 6071 - Senior Thesis and PA Professional Practice II (1 Credit Hour)

Students reinforce and demonstrate mastery of professional behaviors, professional practice, analysis of medical literature, application of evidence-based-medicine, and professional writing skills.

PHAS 6081 - Senior Thesis and PA Professional Practice III (4 Credit Hours)

The final course of the MPA curriculum and allows students to demonstrate mastery of clinical skills, medical knowledge, professional behavior, presentation skills, and analysis of medical literature.

PHAS 6090 - Elective Clinical Practicum (4 Credit Hours)

Prerequisites, successful completion of PA didactic coursework.

Focus on community settings in area of student's medical vocational interest.

PHAS 6110 - Research/Masters Project (2 Credit Hours)

Process of researching, writing, and submitting an article to a peer-reviewed journal.

Grade Mode: Normal (A, B, C, D, F)

PHAS 6120 - Teaching, Leadership, and Clinical Elective Practicum (4 Credit Hours)

Educates students facilitating the learning of professional degree students and provides the opportunity for students to refine clinical skills and knowledge in selected elective medical field.

PHAS 7120 - Human Physiology for the Clinician (5 Credit Hours)

Acquire knowledge of human physiology for each body system.

PHAS 8022 - Concepts in Healthcare Delivery (3 Credit Hours)

A course for healthcare professionals on the non-technical aspects of healthcare. Examples of topics to be covered are areas in quality assurance, risk management, Medicaid, Medicare, other third party payers, home healthcare, malpractice, ethics, etc.

PHAS 8023 - Geriatrics (3 Credit Hours)

Focus of course is on primary care geriatrics. It will be conducted in a symposium format with opportunity for class/group discussion. There will be take-home assignments including a take-home examination. This will be a practice case management approach.

PHAS 8024 - Health Promotion and Disease Prevention (3 Credit Hours)

Course designed to help develop skills to enable students to incorporate health promotion and disease prevention into clinical practice. They will do research into available community resources for possible referrals.

PHAS 8700 - Evaluation of the Urologic Patient (1 Credit Hour)

Refines history taking skills with an emphasis on formulating differential diagnosis, selection of appropriate evaluation tools (radiographic, laboratory, etc.) needed to make a definitive diagnosis in a variety of clinical settings and interpretation of evaluatory procedure outcomes to formulate a diagnosis and treatment plan.

PHAS 8701 - Clinical Urology, Core I (4 Credit Hours)

Applies previously learned history taking skills and appropriate physical examination skills to integrate

them into a patient evaluation, diagnostic plan, and collation of data.

PHAS 8702 - Clinical Urology, Core II (4 Credit Hours)

Prerequisite: Successful completion of Clinical Urology, Core I. Builds on previously acquired skills in both history taking and physical examination components as well as formulation of diagnosis and initiation of diagnostic plans, to formulate a treatment plan.

PHAS 8703 - Clinical Urology, Core III (5 Credit Hours)

Prerequisite: Successful completion of Clinical Urology Core II. Builds on skills acquired during previous two core courses with increasing independence of action.

PHAS 8710 - Urologic Pharmacology (1 Credit Hour)

Expands knowledge of pharmaceuticals to include commonly used medication in the practice of urology as well as pharmaceuticals uniquely used in this practice.

PHAS 8720 - Radiographic Evaluation (3 Credit Hours)

Equips the physician assistant resident with knowledge to obtain, interpret, and apply data from radiographic studies.

PHAS 8730 - Urodynamics (3 Credit Hours)

The focus is on the use, performance of, and interpretation of urodynamics studies in the urologically intact and urologically impaired patient with an emphasis on interpretation of studies and application to patient care.

PHILOSOPHY (PHIL)

PHIL 2010 - Introduction to Philosophy (3 Credit Hours)

This course introduces students to the methods by which philosophers raise questions and problems, provides answers and solutions, and thereby generate knowledge. It also introduces students to some of the key content areas of philosophy, which include the nature of reality, knowledge, consciousness, and the good.

PHIL 2020 - Introduction to Critical Thinking (3 Credit Hours)

This course introduces students to the basics of critical thinking, which is defined as the systematic evaluation and formulation of claims by rational standards. As such, it develops tools for exploring both world and self and for defense against error. The course covers a wide variety of forms of reasoning: formal and informal, deductive and inductive, and scientific and moral. *May be repeated for credit.*

PHIL 2030 - Introduction to Ethics (3 Credit Hours)

This course introduces students to ethics, which is the rational investigation of the right and the good. It focuses on questions related to the nature of morality, the assessment of moral theories, and the application of moral theories to particular moral problems.

PHIL 2040 - The Ethics of Digital Life (3 Credit Hours)

Today's students are citizens of an increasingly digital world, and many will one day be professionals in that world. This course introduces students to the ethical dimensions of digital life. It will include an account of the key elements that constitute digital life and ethical reasoning. It will also address a range of issues, including but not limited to social media, cyber security, big data, and gaming.

PHIL 2950 - Selected Topics (3 Credit Hours)

A study of various topics in philosophy of interest to the lower-division undergraduate student. *May be repeated for credit.*

PHIL 3000 - Environmental Ethics (3 Credit Hours)

The course offers a philosophical account of the moral relationship between human beings and their natural environment with attention to animal interests and rights as well as our responsibilities to species and ecosystems. The course also investigates such environmental theories as deep ecology, social ecology and ecofeminism which attempt to explain the origins of environmental degradation.

Prerequisite(s): Junior or senior standing or permission of instructor.

PHIL 3002 - Ethical Theory (3 Credit Hours)

The course examines the major ethical theories and philosophers as represented in the virtue-ethics, utilitarian and deontological ethical traditions. The focus of the course will be on a critical examination of the rational basis of our moral duties and will raise questions about the status of moral beliefs and judgments. Prerequisite(s): Junior or senior standing or permission of instructor.

PHIL 3003 - Contemporary Ethical Issues (3 Credit Hours)

A critical, analytic examination of contemporary ethical issues such as abortion, capital punishment, torture, and penalties for hate speech. Students will learn how to assess the pros and cons of an ethical position, how to develop an ethical argument in support of a position, and how to critically evaluate an opposing point of view. Prerequisite(s): Junior or senior standing or permission of the instructor.

PHIL 3004 - Bioethics (3 Credit Hours)

This course investigates the philosophical basis of the values and goals of medicine. Ethical concepts, principles, and theories are applied to an analysis of clinical case studies; the ethical and philosophical significance of the experience of illness and suffering are considered; the course also examines contemporary bioethical issues such as abortion and euthanasia. Prerequisite(s): Junior or senior semester, or permission of the instructor.

PHIL 3005 - Philosophy of the Human Person (3 Credit Hours)

A critical inquiry into the questions of the human condition and the realms of experience that generate the framework for thinking and acting, such as myth/religion, knowledge, art, science and the ethical/political. Prerequisite(s): Junior or senior standing or permission of instructor.

PHIL 3010 - Ancient Political Philosophy (3 Credit Hours)

A critical examination of ancient Greek political philosophy in the writings of Plato and Aristotle and their expressions of fundamental theoretical and practical approaches to political experiences of regime and citizenship. Their contemporary relevance will be scrutinized. Prerequisite(s): Junior or senior standing or permission of instructor.

PHIL 3020 - Existentialism (3 Credit Hours)

In its search for meaning rather than truth, existential philosophy understands the human condition as individual choice in the pursuit of self-knowledge. Its discursive language includes vocabularies on love, belief, the other, responsibility, suffering, anxiety, despair, and death. Prerequisite(s): Junior or senior standing or permission of instructor.

PHIL 3095 - Major Philosophers in History (3 Credit Hours)

To acquaint students with fundamental texts in philosophy. This course undertakes a critical reading of the work of one or two philosophers alternating ancient with modern in order to examine the meaning, language, and philosophical value of these texts. May be repeated. Prerequisite(s): Junior or senior standing or permission of instructor. *May be repeated for credit.*

PHIL 3601 - Modern Political Philosophy (3 Credit Hours)

The development of modern political ideas underlying democratic theory and liberalism as found in the works of Hobbes, Locke, Rousseau and Mill. Prerequisite(s): Junior or senior standing or permission of instructor.

PHIL 3701 - Contemporary Political Philosophy (3 Credit Hours)

An analysis of political ideas, theories, ideologies, and issues as presented in the writings of contemporary thinkers.

PHIL 4030 - Ancient Greek Philosophy (3 Credit Hours)

This course undertakes a critical study of the writings of Plato and Aristotle focusing on major teleological, ontological, and epistemological concepts such as Plato's forms and their ground in the good and Aristotle's being and its ground presence. Prerequisite(s): Junior or senior standing or permission of instructor.

PHIL 4031 - 19th Century European Philosophy (3 Credit Hours)

A critical analysis of the major ideas and theories of significant 19th century European philosophers such as Hegel, Schopenhauer, Marx, Nietzsche and Kierkegaard. Prerequisite(s): Junior or senior standing or permission of instructor.

PHIL 4032 - 20th Century Philosophy (3 Credit Hours)

A study of selected philosophers and philosophical issues, problems, questions and schools of thought in the 20th century. Prerequisite(s): Junior or senior standing or permission of instructor.

PHIL 4033 - 17th and 18th Century Philosophy (3 Credit Hours)

A study of some of the significant thinkers from the early modern period of philosophy such as Descartes, Leibniz, Spinoza, Locke, Berkeley and Hume; selected topics include epistemology, philosophy of science, metaphysics and philosophy of mind. Prerequisite(s): Junior or senior standing or permission of instructor.

PHIL 4950 - Selected Topics (3 Credit Hours)

An intensive study of a selected philosophical issue, problem or school of thought not addressed in the current curriculum. Prerequisite(s): Junior or senior standing or permission of instructor. *May be repeated for credit.*

PHIL 4990 - Undergraduate Research (3 Credit Hours)

Independent research that focuses on a particular philosophical theme or philosopher of the student's choice under the direction of the philosophy instructor. Emphasis will be on the development of sound philosophical ideas and approaches. Prerequisite(s): Junior or senior standing or permission of instructor. *May be repeated for credit.*

PHIL 6000 - Bioethics Capstone (1 to 4 Credit Hours)

Bioethics examines ethical issues and problems arising in the fields of medicine, biotechnology, and public health. This course introduces students to such problems and reviews conceptual frameworks used to work through them.

PHIL 6004 - Contemporary Issues in Bioethics (3 Credit Hours)

The course considers basic ethical theories, principles, and perspectives and their applicability to contemporary issues in bioethics. The limitations of these various theories and approaches will be examined as we consider how competing ethical theories are to be critically assessed. Particular attention will be devoted to the four basic principle of medicine-autonomy, nonmaleficence, justice, and benevolence-and how they serve as indispensable (but incomplete) guides to ethical-problem solving in healthcare.

PHIL 6014 - Contemporary Bioethics Issues (3 Credit Hours)

The course situates bioethical questions and challenges related to disability, mental health, public health, reproductive justice, and racial disparities in health within a social, political and cultural context. Medical practice is critiqued with an eye toward eliminating bias and decreasing health disparities within

marginalized communities and populations.

PHIL 6950 - Special Topics in Philosophy (1 to 4 Credit Hours)

This class examines a special topic in Philosophy. Content of the course varies. *May be repeated for credit.*

PHIL 2010H- Honors: Introduction to Philosophy (3 Credit Hours)

This course introduces students to the methods by which philosophers raise questions and problems, provides answers and solutions, and thereby generate knowledge. It also introduces students to some of the key content areas of philosophy, which include the nature of reality, knowledge, consciousness, and the good. This is an Honors Course.

PHIL 2020H- Honors: Introduction to Critical Thinking (3 Credit Hours)

This course introduces students to the basics of critical thinking, which is defined as the systematic evaluation and formulation of claims by rational standards. As such, it develops tools for exploring both world and self and for defense against error. The course covers a wide variety of forms of reasoning: formal and informal, deductive and inductive, and scientific and moral. This is an Honors Course. *May be repeated for credit.*

PHIL 2030H- Honors: Introduction to Ethics (3 Credit Hours)

This course introduces students to ethics, which is the rational investigation of the right and the good. It focuses on questions related to the nature of morality, the assessment of moral theories, and the application of moral theories to particular moral problems. This is an Honors Course.

PHARMACOLOGY (PHRM)

PHRM 5003 - Pharmacology Tutorial (4 Credit Hours)

Expand knowledge and understanding of selected areas of pharmacology and therapeutics. Students may elect to study in-depth a specific area in Pharmacology and Toxicology under the guidance of one or more faculty members most familiar with that specific area.

PHRM 5004 - Pharmacology Research (4 Credit Hours)

Prerequisite: Approval by faculty member with whom research will be done
Opportunity to participate in research programs being conducted by members of the faculty of the Department of Pharmacology and Toxicology *May be repeated for credit up to 1 time.*

PHRM 5012 - Clinical Pharmacology Tutorial (4 Credit Hours)

Better understanding of the actions and clinical uses of important classes of drugs and modes of drug delivery, allow students to reflect on and solve problems encountered with clinical therapeutics.

PHRM 5015 - Critical Care Pharmacology Tutorial (4 Credit Hours)

This elective will provide a better understanding of the actions and clinical uses of common classes of drugs and modes of drug delivery in an intensive care unit. Allow students to reflect on and solve problems encountered with clinical therapeutics. Develop an evidence-based treatment and monitoring plan for diseases of critical illness.

PHRM 8041 - Pharmacology and Therapeutics (4 Credit Hours)

Prerequisites: Completion of SGS Core Curriculum.
Current concepts and trends in pharmacological science and research. Covers all areas of pharmacology.

PHRM 8042 - Pharmacology and Therapeutics I (3 Credit Hours)

This is the first part of a two semester comprehensive course of study on the actions and uses of drug

agents for treatment and prevention of disease. The focus of this advanced graduate course of on state-of-the-art pharmacological approaches to therapeutics. Basic principles of drug action (e.g. receptor therapy, pharmacokinetics) will be discussed. Covered in depth will be how pharmacological agents can be used to prevent and/or treat pathophysiological alterations in a number of organs and systems. Principles of cellular signal transduction will be taught with an emphasis on the molecular basis of current therapeutics principles.

PHRM 8043 - Pharmacology and Therapeutics II (3 Credit Hours)

This is the second part of a two semester comprehensive course of study on the actions and uses of drug agents for treatment and prevention of disease. This part of the course builds on the basic pharmacological principles covered in part 1 of the course and focuses on cardiovascular, infectious diseases, endocrine diseases and therapeutics. Pharmacological agents used to prevent and/or treat pathophysiological alterations in a number of organs and systems will be emphasized in both clinical and research applications. Mechanisms of cellular signal transduction, adverse effects, critical thinking will also be addressed.

Prerequisite(s): PHRM8042 >= C

PHRM 8120 - Cardiovascular Physiology and Pharmacology (3 Credit Hours)

Evaluation of the actions of drugs on the heart and blood vessels.

PHRM 8300 - Thesis Research (1 to 12 Credit Hours)

Permanent assignment to a specific lab with a faculty advisor and a defined research project. Students work under the mentorship of their faculty thesis advisor to define, develop, and carry out the basic study of a research problem of interest to both student and advisor. This course is designed to develop the experience, understanding, and skills to conduct and assess original, independent research in biomedical science. This course is typically taken more than one time and culminates in the final semester in the preparation and defense of a MS thesis. *May be repeated for credit.*

PHRM 8301 - Neuropharmacology (4 Credit Hours)

Pharmacological principals of drugs that act on the brain and nervous system.

PHRM 9020 - Seminar in Pharmacology (1 Credit Hour)

Research presentations by MCG faculty and visiting research scientists. *May be repeated for credit.*

PHRM 9210 - Investigation of a Problem (1 to 12 Credit Hours)

The student works with individual faculty members on a specific investigative research problem. This provides an introduction to analytical techniques and the scientific method in action. *May be repeated for credit.*

PHRM 9300 - Research (1 to 12 Credit Hours)

Students work closely with their major advisor on an in-depth study of a research problem of interest to both student and advisor. This course culminates in the preparation of a PhD dissertation. Permanent assignment to a specific lab with a major advisor and a defined research project. Enrollment in this course requires official admission to candidacy. *May be repeated for credit.*

PHYSICAL SCIENCE (PHSC)

PHSC 1011 - Physical Science (4 Credit Hours)

A survey of physics including motion and energy. May include heat, sound, light, electricity, magnetism, relativity, atoms and nuclei. Simple applications in problem solving. Credit may not be earned for both PHSC 1101 and PHSC 1100.

Prerequisite(s): (MATH 1001 >= D or MATH 1111 >= D or MATH 1101 >= D or MATH 1113 >= D)

Additional Course Fee: Physics/Biophysics Lab Fee - \$50 Flat Fee

PHYSICS (PHYS)

PHYS 1010 - Fundamentals of Physics: Selected Topics (3 Credit Hours)

An exploration of principles, conceptual understanding, and problem-solving in physical science oriented around a central theme. Does not include a laboratory component.

Prerequisite(s): (MATH 1111 or MATH 1001 or MATH 1101 or MATH 1113)

PHYS 1010L- Fundamentals of Physics: Selected Topics Laboratory (1 Credit Hour)

A laboratory course to accompany PHYS 1010 to explore principles, apply concepts, and problem-solve in physics; oriented around a central theme.

Prerequisite(s): (MATH 1111 $\geq$ C or MATH 1001 $\geq$ C or MATH 1101 $\geq$ C or MATH 1113 $\geq$ C);

Corequisite(s): PHYS1010

Additional Course Fee: Physics/Biophysics Lab Fee - \$50 Flat Fee

PHYS 1111 - Introductory Physics I (3 Credit Hours)

A trigonometry-based study of mechanics, heat, waves and sound. Emphasis on problem solving. Credit may not be earned for both PHYS 1111 and PHYS 2211.

STEM GPA Eligible Course

Prerequisite(s): (MATH 1113 $\geq$ C or MAT115 $\geq$ C or MATH 2011 $\geq$ C); Corequisite(s): PHYS1111L

PHYS 1111L- Introductory Physics I Laboratory (1 Credit Hour)

Laboratory experiments relating to the trigonometry-based study of mechanics, heat, waves and sound.

STEM GPA Eligible Course

Prerequisite(s): (MATH 1113 $\geq$ C or MATH 2011 $\geq$ C); Corequisite(s): PHYS1111

Additional Course Fee: Physics/Biophysics Lab Fee - \$50 Flat Fee

PHYS 1112 - Introductory Physics II (3 Credit Hours)

A trigonometry-based study of electricity and magnetism, light, and modern physics. Emphasis on problem solving. Credit may not be earned for both PHYS 1112 and PHYS 2212.

STEM GPA Eligible Course

Prerequisite(s): (PHYS1111 $\geq$ C and PHYS1111L $\geq$ C) or (PCS201 $\geq$ C or PHYS2211 $\geq$ C or PCS211 $\geq$ C); Corequisite(s): PHYS1112L

PHYS 1112L- Introductory Physics II Laboratory (1 Credit Hour)

Laboratory experiments relating to a trigonometry-based study of electricity and magnetism, light, and modern physics.

STEM GPA Eligible Course

Prerequisite(s): (PHYS1111 $\geq$ C and PHYS1111L $\geq$ C) or PHYS2211 $\geq$ C; Corequisite(s): PHYS1112

Additional Course Fee: Physics/Biophysics Lab Fee - \$50 Flat Fee

PHYS 2211 - Principles of Physics I (4 Credit Hours)

A calculus-based study of mechanics, heat, waves and sound. Emphasis on problem solving. Credit may not be earned for both PHYS 2211 and PHYS 1111. Prerequisite(s): (Co-requisite) MATH 2012 concurrently. STEM GPA Eligible Course.

Prerequisite(s): (MATH 2012 or MAT202 $\geq$ C or MAT203 $\geq$ C)

Additional Course Fee: Physics/Biophysics Lab Fee - \$50 Flat Fee

PHYS 2212 - Principles of Physics II (4 Credit Hours)

A calculus-based study of electricity and magnetism, light, and modern physics. Emphasis on problem solving. Credit may not be earned for both PHYS 2212 and PHYS 1112. STEM GPA Eligible Course

Prerequisite(s): PHYS2211 $\geq$ C and MATH 2012 $\geq$ C

Additional Course Fee: Physics/Biophysics Lab Fee - \$50 Flat Fee

PHYS 2950 - Selected Topics (1 to 3 Credit Hours)

Concepts/topics in special areas of physics. May be repeated for credit. Prerequisite(s): Permission of the instructor. *May be repeated for credit.*

PHYS 2990 - Introduction to Undergraduate Research (0 Credit Hours)

A course to introduce undergraduates to experience of research through a faculty mentored introductory project.

PHYS 3000 - Introduction to Nuclear Science (3 Credit Hours)

An introduction to nuclear models and structure, natural and artificial radioactivity, interactions of radiation with matter, nuclear reactions, neutron physics and reactors. Credit may not be earned for both CHEM 3000 and PHYS 3000

Prerequisite(s): (MATH 2011 $\geq$ C or MATH 2011H $\geq$ C) and (PHYS1112 $\geq$ C or PHYS2212 $\geq$ C)

PHYS 3010 - Introduction to Nuclear Measurements (3 Credit Hours)

An introductory course on scintillation counters, semiconductor detectors, nuclear electronics, nuclear spectroscopy, counting statistics and shielding. Credit may not be earned for both CHEM 3010 and PHYS 3010.

Prerequisite(s): (CHEM 3000 $\geq$ C or PHYS3000 $\geq$ C)

Additional Course Fee: Physics/Biophysics Lab Fee - \$50 Flat Fee

PHYS 3011 - Electronics I (4 Credit Hours)

Alternating current theory, filters, wave-shaping, power supplies, transistors, amplification, integration, feedback, operational amplifiers and their application. Applicable solid-state theory will also be discussed.

Prerequisite(s): (PHYS2212 $\geq$ C or PCS212 $\geq$ C)

Additional Course Fee: Physics/Biophysics Lab Fee - \$50 Flat Fee

PHYS 3012 - Electronics II (4 Credit Hours)

Logic gates, multiplexing, flip-flops, counters, open collector and tri-state logic, analog-to-digital converters, data-logging systems.

Prerequisite(s): (PHYS3011 $\geq$ C or PCS301 $\geq$ C)

Additional Course Fee: Physics/Biophysics Lab Fee - \$50 Flat Fee

PHYS 3020 - Application of Nuclear Science (3 Credit Hours)

A study of applications of nuclear science to include characterization of radiation, the effects of radiation and radioactive materials, dosimetry and dose calculations, radiation exposure and basic nuclear safety. Other topics may include nuclear reactors, criticality, poisons, neutron life cycle, isotopic dating, nuclear medicine and imaging, neutron activation work/tracers, and environmental radioactivity. Credit may not be earned for both CHEM 3020 and PHYS 3020.

Prerequisite(s): (CHEM 3000 $\geq$ C or PHYS3000 $\geq$ C)

PHYS 3250 - Theoretical Mechanics (4 Credit Hours)

Newtonian mechanics. Particle kinematics and dynamics in two and three dimensions. System of particles. Simple, damped and forced harmonic motion. Rigid body motion. Vibrating systems. Lagrange's equations. Hamilton's equations.

Prerequisite(s): PHYS2211 $\geq$ C and MATH 3020 $\geq$ D

PHYS 3260 - Computational Physics (3 Credit Hours)

Introduction to computationally based problem solving in physics. Emphasis on understanding and applying various numerical algorithms to different types of physics problems. Topics will include realistic mechanical systems. Monte Carlo methods and time independent as well as time-dependent quantum

physics problems.

Prerequisite(s): (PHYS2211 $\geq$ C) and (ENGR2060 $\geq$ C or CSCI 2060 $\geq$ C) and (MATH 3020 $\geq$ C)

PHYS 3300 - Modern Physics (3 Credit Hours)

Theory of Special Relativity. Quantum Physics: Blackbody radiation, Photoelectric effect, Compton effect, X-rays; Bohr model of the atom; wave properties of matter; the uncertainty principle.

Prerequisite(s): PHYS2212 $\geq$ C

PHYS 3990 - Undergraduate Research (0 to 3 Credit Hours)

Faculty mentored undergraduate research at an intermediate level. May be repeated. *May be repeated for credit.*

Additional Course Fee: Physics/Biophysics Lab Fee - \$50 Flat Fee

PHYS 4010 - Advanced Laboratory (3 Credit Hours)

Experiments are conducted in various fields of physics including modern physics and optics. Evaluation, analysis and interpretation of experimental data is emphasized.

Prerequisite(s): PHYS3300 $\geq$ C

Additional Course Fee: Physics/Biophysics Lab Fee - \$50 Flat Fee

PHYS 4051 - Electromagnetic Theory I (3 Credit Hours)

Vector analysis. Electrostatics and Gauss' law. Poisson's and Laplace's equations applied to Electrostatics problems. Electric fields, energy and potential. Dielectrics and electrical properties. Currents and magnetic fields.

Prerequisite(s): (PHYS2212 $\geq$ C or PCS212 $\geq$ C) and (MATH 3020 $\geq$ D or MAT302 $\geq$ D)

PHYS 4052 - Electromagnetic Theory II (3 Credit Hours)

Magnetization, magnetic fields and properties of matter. Electromagnetic induction. Maxwell's equations and applications. Electromagnetic radiation, propagation of electromagnetic waves in free space and in dielectric materials.

Prerequisite(s): (PHYS4051 $\geq$ C or PCS405 $\geq$ C) and (MATH 3020 $\geq$ D or MAT302 $\geq$ D)

PHYS 4310 - Thermal Physics (3 Credit Hours)

Thermodynamics and the relation between microscopic systems. Statistical descriptions of microscopic systems. Equilibrium, reversible processes, heat and temperature. Ideal gas, specific heats, expansion or compression, and entropy. Equipartition of energy.

Prerequisite(s): (PHYS2211 $\geq$ C or PCS211 $\geq$ C) and (MATH 3020 $\geq$ D or MAT302 $\geq$ D)

PHYS 4530 - Mathematical Methods of Physics (3 Credit Hours)

Apply mathematical techniques to specific physics problems. Vector theorems. Variational calculus. Special functions. Applications of partial differential equations and integral transforms to problems in physics. Complex variables. Tensors and eigenvalue problems.

Prerequisite(s): PHYS2212 $\geq$ C and MATH 3020 $\geq$ D

PHYS 4600 - Quantum Mechanics (3 Credit Hours)

Non-relativistic wave mechanical treatment of physical systems. Definition and interpretation of state functions; construction of wave packets; solutions of the Schrodinger equation for simple one-dimensional systems; the hydrogen atom; various approximation methods, including perturbation theory.

Prerequisite(s): PHYS 3300 $\geq$ C and MATH 3020 $\geq$ D; Cross-Listed Course(s): CHEM 4600

PHYS 4950 - Selected Topics (1 to 4 Credit Hours)

Concepts/topics in special areas of physics. *May be repeated for credit.* Prerequisite(s): Permission of the instructor. *May be repeated for credit.*

PHYS 4960 - Undergraduate Internship (1 to 15 Credit Hours)

An internship is a service-learning experience based in an institution or agency, emphasizing the completion of a specific task and the acquisition of specific knowledge and skills under the supervision of the university and the cooperating institution or agency. Prerequisite(s): Permission of the instructor. *May be repeated for credit up to 3 times with a maximum of 15 credit hours.*

PHYS 4990 - Undergraduate Research (0 to 3 Credit Hours)

Faculty mentored undergraduate research at an advanced level. May be repeated. Generally the course should be taken for 1-2 credits except for extenuating circumstances. *May be repeated for credit.*
Additional Course Fee: Physics/Biophysics Lab Fee - \$50 Flat Fee

POLITICAL SCIENCE (POLS)

POLS 1101 - Introduction to American Government (3 Credit Hours)

An introductory course covering the essential facts of federal, state and local governments in the United States. A satisfactory grade will exempt a student from the requirement of passing an examination on the Constitution of the United States and the Constitution of Georgia before graduation.

POLS 2000 - Society, Law, and the Criminal (3 Credit Hours)

An introductory examination of the nature of crime, the consequences of crime for society, and an intensive examination and evaluation of the law as a social device for coping with crime.
Prerequisite(s): POLS 1101 >= C or POLS 1101H >= C

POLS 2101 - Introduction to Political Science (3 Credit Hours)

This course is designed to provide a foundation for and a focus on the theories and language of the discipline and on political inquiry.
Prerequisite(s): (POLS1101 >= C or POLS1101H >= C or POL101 >= C)

POLS 2401 - Introduction to Global Issues (3 Credit Hours)

A course that focuses on major global issues and problems.
Prerequisite(s): (POLS1101 >= C or POLS1101H >= C or POL101 >= C)

POLS 2930 - Model UN I (3 Credit Hours)

Lower-level study away course denoting sophomore level work in the Model UN program. *May be repeated for credit up to 1 time.*

POLS 3100 - Introduction to the European Union (3 Credit Hours)

The course outlines the historical origin and development of the EU, its institutions, processes, their structures and functions. The course also examines current EU policies and issues.
Prerequisite(s): (POLS1101 >= C or POLS1101H >= C or POL101 >= C)

POLS 3101 - Comparative European Governments (3 Credit Hours)

This course describes and analyzes the major political systems in Western Europe. It includes France, Germany, Italy and Great Britain. It compares and contrasts the constitutions of these four countries and their political and economic developments after the Second World War.
Prerequisite(s): (POLS1101 >= C or POLS1101H >= C or POL101 >= C)

POLS 3301 - Judicial Process (3 Credit Hours)

An introduction to the three major areas of law, civil, criminal and administrative, their institutions and functions.
Prerequisite(s): (POLS1101 >= C or POLS1101H >= C or POL101 >= C)

POLS 3401 - Congress and the Presidency (3 Credit Hours)

A detailed study of American Congress and the presidency, considering their constitutional basis,

selection process, contemporary roles, and relationships with other elements of the political system.

Prerequisite(s): (POLS1101 >= C or POLS1101H >= C or POL101 >= C)

POLS 3501 - Ancient Political Thought (3 Credit Hours)

A critical examination of ancient Greek political philosophy in the writings of Plato and Aristotle and their expressions of fundamental theoretical and practical approaches to political experiences of regime and citizenship. Their contemporary relevance will be scrutinized.

Prerequisite(s): (POLS1101 >= C or POLS1101H >= C or POL101 >= C)

POLS 3601 - Modern Political Thought (3 Credit Hours)

The development of modern political ideas underlying democratic theory and liberalism as found in the works of Hobbes, Locke, Rousseau and Mill.

Prerequisite(s): (POLS1101 >= C or POLS1101H >= C or POL101 >= C)

POLS 3701 - Contemporary Political Thought (3 Credit Hours)

An analysis of political ideas, theories, ideologies, and issues as presented in the writings of contemporary thinkers.

Prerequisite(s): (POLS1101 >= C or POLS1101H >= C or POL101 >= C)

POLS 3702 - American Political Thought (3 Credit Hours)

This course focuses on the major philosophical concepts guiding the American political regime. A plurality of the course focuses on the major philosophers who influenced the American Founders and the ideas of the Founders. Major concepts discussed are equality, justice, fairness, liberty, and tolerance.

Prerequisite(s): (POLS1101 >= C or POLS1101H >= C or POL101 >= C)

POLS 3800 - Introduction to Political Research (3 Credit Hours)

Introduces students to the principles of designing research, defining and measuring variables, sampling, and data collection. Emphasis is placed on the scientific study of political behavior.

Prerequisite(s): (POLS1101 >= C or POLS1101H >= C or POL101 >= C) and POLS2101 >= C

POLS 3801 - International Relations (3 Credit Hours)

The course is designed to survey the major theories which serve as models for understanding and analyzing the political processes of the international system, to guide students through the best in theory and to trace the development of international relations as a field of systematic study.

Prerequisite(s): (POLS1101 >= C or POLS1101H >= C or POL101 >= C)

POLS 3901 - Campaigns and Elections (3 Credit Hours)

A course in campaign strategies, tactics and financing, political polling, voter behavior, political parties, and how elections are conducted within the context of the current election year in the United States.

Prerequisite(s): (POLS1101 >= C or POLS1101H >= C or POL101 >= C)

POLS 4050 - Nonprofit Management (3 Credit Hours)

This course introduces students to the world of nonprofit management. It covers a broad spectrum of issues including creating a nonprofit, fundraising, recruitment and management of volunteers, the basic principles of program evaluation, and the proper role of a board.

Prerequisite(s): (POLS1101 >= C or POLS1101H >= C or POL101 >= C)

POLS 4051 - Financial Management for Nonprofits (3 Credit Hours)

An overview of the financial issues, challenges and opportunities facing nonprofit managers. The course includes instruction in budgeting and financial management strategies appropriate for the nonprofit sector.

Prerequisite(s): (POLS1101 >= C or POLS1101H >= C or POL101 >= C)

POLS 4052 - Fundraising for Nonprofit Organizations (3 Credit Hours)

The course introduces students to the basic theories and practices of fundraising for nonprofit

organizations. The course will examine philanthropy in the nonprofit sector through exploring topics such as grant writing, managing fundraising campaigns, and evaluating fundraising efforts.

Prerequisite(s): POLS1101 >= C

POLS 4101 - State Government (3 Credit Hours)

A broad based approach to organizational forms, functions and procedures of state governments.

Emphasis is placed on the government and constitution of Georgia. Regional and state infrastructures are also covered. Successful completion of the course satisfies the Georgia Constitution requirement. May be taken for graduate credit within the prescribed limits and with the chair's approval.

Prerequisite(s): (POLS1101 >= C or POLS1101H >= C or POL101 >= C)

POLS 4201 - Urban Policy Analysis (3 Credit Hours)

The origin, development and growth of local government forms. Policy making process and governmental reorganization will be stressed. Emphasis will also be placed on urban redevelopment and infrastructure. May be taken for graduate credit within the prescribed limits and with the chair's approval.

Prerequisite(s): (POLS1101 >= C or POLS1101H >= C or POL101 >= C)

POLS 4301 - Principles of Public Administration (3 Credit Hours)

The course describes the general principles, problems and practices of public administration, emphasizing governmental process in the executive branch. May be taken for graduate credit within the prescribed limits and with the chair's approval.

Prerequisite(s): (POLS1101 >= C or POLS1101H >= C or POL101 >= C)

POLS 4302 - Political Economy (3 Credit Hours)

Introduces students to the study of the relationship between government and economic institutions, and how the political environment and institutions affect market behavior.

Prerequisite(s): (POLS1101 >= C or POLS1101H >= C or POL101 >= C)

POLS 4303 - Public Budgeting (3 Credit Hours)

Introduces students to the institutions and techniques of financial administration in federal, state, and local government. The role of the budget as a tool in expressing political priorities is emphasized.

Prerequisite(s): (POLS1101 >= C or POLS1101H >= C)

POLS 4304 - Public Human Resource Management (3 Credit Hours)

Introduces students to the personnel practices and processes in federal, state, and local governments. Legal, political, social and ethical issues in personnel management will be addressed.

Prerequisite(s): (POLS1101 >= C or POLS1101H >= C)

POLS 4401 - Government Organization and Administrative Theory (3 Credit Hours)

A systematic analysis of major theories of organization, management, and administration in the public sector. Emphasis will be placed on the formal scientific management school and the less formal human relations approach. Organization processes, environments, and effectiveness will be analyzed. May be taken for graduate credit within the prescribed limits and with the chair's approval.

Prerequisite(s): (POLS1101 >= C or POLS1101H >= C or POL101 >= C)

POLS 4501 - Constitutional Law: Distribution of Power (3 Credit Hours)

The role of the Supreme Court as arbiter of separation of powers and federalism, as well as the interplay of political, social, and economic forces. May be taken for graduate credit within the prescribed limits and with the chair's approval.

Prerequisite(s): (POLS1101 >= C or POLS1101H >= C or POL101 >= C)

POLS 4601 - Constitutional Law: Civil Liberties (3 Credit Hours)

A study of the constitutional protection of civil liberties in the U.S., emphasizing freedom of expression,

religious freedom, and the nationalization of the Bill of Rights. May be taken for graduate credit within the prescribed limits and with the chair's approval.

Prerequisite(s): (POLS1101 >= C or POLS1101H >= C or POL101 >= C)

POLS 4701 - Governments of Developing Nations (3 Credit Hours)

Focuses on the concepts of political stability, conflict, revolution, nationalism, hyper-disintegration, economic development and modernization. May be taken for graduate credit within the prescribed limits and with the chair's approval.

Prerequisite(s): (POLS1101 >= C or POLS1101H >= C or POL101 >= C)

POLS 4807 - The Supreme Court (3 Credit Hours)

This course will focus on the role of the Supreme Court in American democracy. It will introduce students to concepts like constitutionalism and judicial review and examine how the Supreme Court functions, the work it does and the effects its decisions have on the American people.

Prerequisite(s): (POLS1101 >= C or POLS1101H >= C)

POLS 4809 - Identity, Nationalism and Ethnic Conflict (3 Credit Hours)

This course will examine the role of identity and nationalism in ethnic conflict situations around the world. Students will learn about various theories put forward to explain these phenomenon and also study ways in which these conflicts can be mitigated or prevented.

Prerequisite(s): (POLS1101 >= C or POLS1101H >= C)

POLS 4902 - World Politics (3 Credit Hours)

A comprehensive study of the international political system, concentrating on the environmental factors, theories of international relations, the nation state and nationalism, international conflict, international cooperation, transnational institutions, balance of power and collective security, military strategy, the role of diplomacy, the dynamics of national foreign policy, the role of nuclear weapons in world politics, and other contemporary problems. May be taken for graduate credit within the prescribed limits and with the chair's approval.

Prerequisite(s): (POLS1101 >= C or POLS1101H >= C or POL101 >= C)

POLS 4904 - Politics of Latin America (3 Credit Hours)

This course is designed to provide students with an overview of the political systems of Latin American countries. It describes the various political experiences among Latin American nations and compares and contrasts their constitutions. May be taken for graduate credit within the prescribed limits and with the chair's approval.

Prerequisite(s): (POLS1101 >= C or POLS1101H >= C or POL101 >= C)

POLS 4905 - United States Foreign Policy (3 Credit Hours)

An upper-level course examining US foreign policy and concentrating on the history, the theories, the processes, and the challenges of this policy. May be taken for graduate credit within the prescribed limits and with the chair's approval.

Prerequisite(s): (POLS1101 >= C or POLS1101H >= C or POL101 >= C)

POLS 4906 - International Terrorism (3 Credit Hours)

This course will introduce students to the phenomenon of international terrorism. The course will examine the meaning and uses of terrorism and different interpretations used by different countries, peoples and governments. Students will be introduced to various theories explaining the phenomenon as well as to actual case studies of terrorist events.

Prerequisite(s): (POLS1101 >= C or POLS1101H >= C or POL101 >= C)

POLS 4907 - The Politics of India (3 Credit Hours)

An introduction to the complexity of Indian politics. Examines the historical, cultural and institutional underpinnings of the Indian state and democracy. Various institutional mechanisms, the role of elites at

the national and regional levels, and the challenges posed by the constantly changing patterns of caste, ethnic, and religious alliances as well as issues of economic development are explored.

Prerequisite(s): POLS 1101 >= C or POLS 1101H >= C

POLS 4911 - Introduction to Security Studies (3 Credit Hours)

This course covers the basic approaches to security studies, emerging trends in security studies, current global threats to US national security, and policy responses to such threats.

Prerequisite(s): (POLS1101 >= C or POLS1101H >= C)

POLS 4912 - Counterterrorism (3 Credit Hours)

This course will focus on examining the macro and micro level approaches to combating domestic and international terrorism.

Prerequisite(s): (POLS1101 >= C or POLS1101H >= C)

POLS 4913 - The Politics of Islam (3 Credit Hours)

The course will provide students with an understanding of the role of Islam in international politics today.

Prerequisite(s): (POLS1101 >= C or POLS1101H >= C)

POLS 4914 - Introduction to Middle Eastern Security Studies (3 Credit Hours)

This course will introduce students to the sources of interstate conflict, intrastate conflict, and terrorism in the Middle Eastern region.

Prerequisite(s): (POLS1101 >= C or POLS1101H >= C or POL101 >= C)

POLS 4915 - The Economics of Security (3 Credit Hours)

This course analyzes the economic underpinnings of military power and national security. It also examines the economic aspects of non-traditional (transnational) security threats whose spread and impact have been amplified by the process of globalization. The course explores ways to foster engagement between security studies and international political economy.

Prerequisite(s): (POLS1101 >= C or POLS1101H >= C or POL101 >= C)

POLS 4920 - Cyber Intelligence and Policy (3 Credit Hours)

This course introduces students to strategic cyber security and covers topics as diverse as cyber war, hacktivism, big data, cyber-crime, and threats to critical infrastructure. It also discusses common internet vulnerabilities as well as related legal and ethical concerns regarding privacy and government surveillance. *May be repeated for credit up to 1 time.*

Prerequisite(s): (POLS1101 >= C or POLS1101H >= C)

POLS 4921 - Advanced Strategic Cyber Security (3 Credit Hours)

This is a non-technical but intermediate course in strategic cyber security that is designed to help students better conceptualize the nature of the world's cyber threats. It focuses on the national security aspects of cyber security and introduces students to the world's major cyber adversaries: the United States, China, Russia, Iran, and North Korea. Students will learn about the major geo-political concerns of these countries, their national security strategies, and how the development and organization of their cyber capabilities support their national objectives. *May be repeated for credit up to 1 time.*

Prerequisite(s): (POLS1101 >= C or POLS1101H >= C) and (POLS4920 >= C)

POLS 4922 - Cyber Conflict: History and Theory of Cyber War (3 Credit Hours)

This is a non-technical course that introduces students to the major cyber conflicts that have transpired since the dawn of the "internet age" and the geo-political developments leading to each. It discusses the relevance of major strategic theorists to cyber conflict and whether cyber capabilities represent a revolution in military affairs. Finally, it considers possible future developmental trajectories of cyber capabilities as they relate to the conduct of warfare and the ethical concerns these developments may bring. *May be repeated for credit up to 1 time.*

Prerequisite(s): (POLS1101 >= C or POLS1101H >= C)

POLS 4930 - Model UN II (3 Credit Hours)

Upper-level political science course denoting senior-level work in the Model UN program. *May be repeated for credit.*

POLS 4950 - Political Science Selected Topics (0 to 3 Credit Hours)

Designed primarily for students who wish to pursue an in-depth study of a specialized area in Political Science. May be taken for graduate credit within the prescribed limits and with the chair's approval. *May be repeated for credit.*

Prerequisite(s): (POLS1101 >= C or POLS1101H >= C or POL101 >= C)

POLS 4960 - Undergraduate Internship (3 to 9 Credit Hours)

An internship is a service-learning experience based in an institution or agency, emphasizing the completion a specific task and the acquisition of specific knowledge and skills under the supervision of the university and the cooperating institution or agency. *May be repeated for credit.*

Prerequisite(s): (POLS1101 >= C or POLS1101H >= C or POL101 >= C)

POLS 4990 - Undergraduate Research (3 Credit Hours)

This is a supervised research on a political science topic of interest to the student and the supervisor. Advanced planning is required and a contract proposal must be approved by the supervisor and the department chair before enrolling in the course. *May be repeated for credit up to 98 times.*

Prerequisite(s): POLS3800 >= C

POLS 6905 - United States Foreign Policy (3 Credit Hours)

An upper level course examining US Foreign Policy and concentrating on the history, the theories, the processes, and the challenges of this policy. May be taken for graduate credit within the prescribed limits and with the chair's approval. Prerequisite(s): POLS 1101, grade of C or better.

POLS 6950 - Selected Topics (3 Credit Hours)

Designed primarily for students who wish to pursue an in-depth study of a specialized area in Political Science. May be taken for graduate credit within the prescribed limits and with the chair's approval.

Prerequisite(s): POLS 1101, grade of C or better. *May be repeated for credit.*

POLS 1101H- Honors: Introduction to American Government (3 Credit Hours)

An introductory course covering the essential facts of federal, state and local governments in the United States. A satisfactory grade will exempt a student from the requirement of passing an examination on the Constitution of the United States and the Constitution of Georgia before graduation. This is an Honors Course.

PRACTICE ADMINISTRATION (PRDM)

PRDM 5602 - Principles and Practice of Small Business Administration (2 Credit Hours)

PRDM 5603 - Principles and Practice of Small Business Administration II (3 Credit Hours)

PROSTHODONTICS - RESIDENT (PROR)

PROR 7011 - Complete Dentures (3 Credit Hours)

This course employs lecture presentations, literature review, practical demonstrations, clinical exercises

and independent study to enable the prosthodontics resident to develop in-depth knowledge and clinical expertise in complete denture prosthodontics. *May be repeated for credit up to 2 times.*

PROR 7012 - Removable Partial Prosthodontics (3 Credit Hours)

This course employs lecture presentations, literature review, practical demonstrations, clinical exercises and independent study to enable the prosthodontics resident to develop in-depth knowledge and clinical expertise in removable partial denture prosthodontics. *May be repeated for credit up to 2 times.*

PROR 7013 - Fixed Partial Prosthodontics (2 Credit Hours)

This course employs lecture presentations, literature review, practical demonstrations, clinical exercises and independent study to enable the prosthodontics resident to develop in-depth knowledge and clinical expertise in fixed partial denture prosthodontics. *May be repeated for credit up to 2 times.*

PROR 7014 - Intraoral Photography (1 Credit Hour)

This course employs lecture presentations, practical demonstrations, clinical exercises and independent study to enable the prosthodontics resident to develop the knowledge and clinical skills necessary for producing successful clinical photographs. *May be repeated for credit up to 2 times.*

PROR 7021 - Literature Review I (4 Credit Hours)

This is a seminar course in which prosthodontics residents review and critique selected articles from the recent prosthodontics literature. *May be repeated for credit up to 2 times.*

PROR 7022 - Prosthodontics Treatment Planning Conference I (4 Credit Hours)

This is a seminar course in which prosthodontics residents prepare and present case presentations of their assigned patients to the Program Director and fellow residents. Case presentations must include clinical photos, radiographs, mounted diagnostic casts, written history, and clinical exam information. With these aids a primary and, if appropriate, two alternative treatment plans are presented. *May be repeated for credit up to 2 times.*

PROR 7024 - Occlusion/Articulator Seminar I (4 Credit Hours)

These seminars are a combination of literature reviews covering all aspects of occlusion and mandibular movement, lectures that coordinate with the literature reviews, and hands-on workshops through which the residents are taught the materials, instruments and techniques for recording, measuring, modifying and understanding occlusion and mandibular movement as it pertains to prosthodontics. Several of the most common and useful articulator systems are presented. *May be repeated for credit up to 2 times.*

PROR 7025 - Maxillofacial Prosthodontics I (1 Credit Hour)

This is a lecture/seminar course in which prosthodontics residents are introduced to the techniques and procedures employed for the prosthetic rehabilitation and long term management of patients with maxillofacial defects of developmental, traumatic injury or pathologic origin. *May be repeated for credit up to 2 times.*

PROR 7026 - Implant Seminar I (2 Credit Hours)

May be repeated for credit up to 2 times.

PROR 7027 - Resident Fixed and Removable Prosthodontics Seminar (1 Credit Hour)

This is a seminar course in which prosthodontics residents gain experience in making oral presentations to their peers. Residents are provided a list of seminar topics and must thoroughly research the topic, prepare a well-organized, thorough and up-to-date powerpoint presentation, and then deliver this presentation in a seminar session with their fellow residents and supervising faculty. Residents must be able to respond to questions with appropriate evidence from the literature. *May be repeated for credit up to 2 times.*

PROR 7031 - Literature Review II (4 Credit Hours)

This is a seminar course in which prosthodontics residents review and critique selected articles from the recent prosthodontics literature. *May be repeated for credit up to 2 times.*

PROR 7032 - Prosthodontics Treatment Planning Conference II (4 Credit Hours)

This is a seminar course in which prosthodontics residents prepare and present case presentations of their assigned patients to the Program Director and fellow residents. Case presentations must include clinical photos, radiographs, mounted diagnostic casts, written history, and clinical exam information. With these aids a primary and, if appropriate, two alternative treatment plans are presented. *May be repeated for credit up to 2 times.*

PROR 7034 - Prosthodontics Board Review I (2 Credit Hours)

The Prosthodontics Board Review course is a seminar designed to prepare prosthodontic residents for the oral section of the American Board of Prosthodontics Examination. Residents are assigned questions related to topics covered on the ABP exam and are expected to research these topics in the scientific literature in order to develop well-reasoned and clear responses to each question. *May be repeated for credit up to 4 times.*

PROR 7035 - Prosthodontics Biomaterials (2 Credit Hours)

This is a comprehensive course introducing the resident to the chemistry and physical properties pertinent to the most commonly used prosthodontic dental materials. *May be repeated for credit up to 2 times.*

PROR 7036 - Implant Seminar I (2 Credit Hours)

This is an ongoing lecture/seminar course designed to introduce the prosthodontics resident to the theoretical principles, designs and materials used in osseointegrated implant prosthodontics. *May be repeated for credit up to 2 times.*

PROR 7037 - Temporomandibular Dysfunction (1 Credit Hour)

This is a lecture/seminar course in which prosthodontics residents are introduced to the techniques of diagnosis and treatment of patients with temporomandibular dysfunction. *May be repeated for credit up to 2 times.*

PROR 7121 - Clinical Prosthodontics I (13 Credit Hours)

This is a clinical course for residents in advanced prosthodontics. Residents are assigned patients for comprehensive prosthodontic evaluation and treatment and must complete a specified number of advanced prosthodontic procedures and complete treatment on a specified number of patients in order to satisfy the requirements for completion of the certificate program. *May be repeated for credit up to 2 times.*

PROR 7131 - Clinical Prosthodontics II (23 Credit Hours)

This is a clinical course for residents in advanced prosthodontics. Residents are assigned patients for comprehensive prosthodontic evaluation and treatment and must complete a specified number of advanced prosthodontic procedures and complete treatment on a specified number of patients in order to satisfy the requirements for completion of the certificate program. *May be repeated for credit up to 2 times.*

PROR 8021 - Literature Review III (4 Credit Hours)

This is a seminar course in which prosthodontics residents review and critique selected articles from the recent prosthodontics literature. *May be repeated for credit up to 2 times.*

PROR 8022 - Prosthodontics Treatment Planning Conference III (4 Credit Hours)

This is a seminar course in which prosthodontics residents prepare and present case presentations of their assigned patients to the Program Director and fellow residents. Case presentations must include

clinical photos, radiographs, mounted diagnostic casts, written history, and clinical exam information. With these aids a primary and, if appropriate, two alternative treatment plans are presented. *May be repeated for credit up to 2 times.*

PROR 8025 - Temporomandibular Dysfunction (1 Credit Hour)

This is a lecture/seminar course in which prosthodontics residents are introduced to the techniques of diagnosis and treatment of patients with temporomandibular dysfunction. *May be repeated for credit up to 4 times.*

PROR 8026 - Occlusion/Articulator Seminar II (4 Credit Hours)

These seminars are a combination of literature reviews covering all aspects of occlusion and mandibular movement, lectures that coordinate with the literature reviews, and hands-on workshops through which the residents are taught the materials, instruments and techniques for recording, measuring, modifying and understanding occlusion and mandibular movement as it pertains to prosthodontics. Several of the most common and useful articulator systems are presented. *May be repeated for credit up to 2 times.*

PROR 8028 - Implant Seminar III (2 Credit Hours)

This is an ongoing lecture/seminar course designed to introduce the prosthodontics resident to the theoretical principles, designs and materials used in osseointegrated implant prosthodontics. *May be repeated for credit up to 2 times.*

PROR 8031 - Literature Review IV (4 Credit Hours)

This is a seminar course in which prosthodontics residents review and critique selected articles from the recent prosthodontics literature. *May be repeated for credit up to 2 times.*

PROR 8032 - Prosthodontics Treatment Planning Conference IV (4 Credit Hours)

This is a seminar course in which prosthodontics residents prepare and present case presentations of their assigned patients to the Program Director and fellow residents. Case presentations must include clinical photos, radiographs, mounted diagnostic casts, written history, and clinical exam information. With these aids a primary and, if appropriate, two alternative treatment plans are presented. *May be repeated for credit up to 4 times.*

PROR 8034 - Prosthodontics Board Review II (2 Credit Hours)

The Prosthodontics Board Review course is a seminar designed to prepare prosthodontic residents for the oral section of the American Board of Prosthodontics Examination. Residents are assigned questions related to topics covered on the ABP exam and are expected to research these topics in the scientific literature in order to develop well-reasoned and clear responses to each question. *May be repeated for credit up to 4 times.*

PROR 8035 - Implant Seminar IV (2 Credit Hours)

This is an ongoing lecture/seminar course designed to introduce the prosthodontics resident to the theoretical principles, designs and materials used in osseointegrated implant prosthodontics. *May be repeated for credit up to 2 times.*

PROR 8120 - Clinical Prosthodontics (34 Credit Hours)

Prosthodontic patient care clinic.

PROR 8121 - Clinical Prosthodontics III (19 Credit Hours)

This is a clinical course for residents in advanced prosthodontics. Residents are assigned patients for comprehensive prosthodontic evaluation and treatment and must complete a specified number of advanced prosthodontic procedures and complete treatment on a specified number of patients in order to satisfy the requirements for completion of the certificate program. *May be repeated for credit up to 2 times.*

PROR 8130 - Clinical Prosthodontics (21 Credit Hours)

Clinical Patient Care

PROR 8131 - Clinical Prosthodontics IV (23 Credit Hours)

This is a clinical course for residents in advanced prosthodontics. Residents are assigned patients for comprehensive prosthodontic evaluation and treatment and must complete a specified number of advanced prosthodontic procedures and complete treatment on a specified number of patients in order to satisfy the requirements for completion of the certificate program. *May be repeated for credit up to 2 times.*

PROR 9010 - Didactic Prosthodontics (8 Credit Hours)

Research-

PROR 9020 - Didactic Prosthodontics (20 Credit Hours)

Current Literature Review Treatment Planning Conference Clinical Research

PROR 9022 - Predoctoral Teaching I (8 Credit Hours)

Third-year prosthodontics residents gain experience in clinical, pre-clinical laboratory, and/or lecture format teaching based on the opportunities available in the DMD program curriculum at the time this teaching rotation assignment occurs. Residents are assigned to student teaching for one half-day session per week for the semester. *May be repeated for credit up to 2 times.*

PROR 9023 - Clinical Research I (3 Credit Hours)

Prosthodontics residents gain experience in research beginning in the first year. They must select a research topic and prepare a research protocol during their first year. The research protocol should be approved by the start of year two, when data collection begins. Residents should complete research data collection and analysis by the fall of year three, and prepare a research paper for publication and/or presentation before they complete the program in the spring of the third year. *May be repeated for credit up to 2 times.*

PROR 9024 - Occlusion/Articulator Seminar III (4 Credit Hours)

This is an ongoing lecture/seminar course designed to introduce the prosthodontics resident to the theoretical principles, designs and materials used in osseointegrated implant prosthodontics. *May be repeated for credit up to 2 times.*

PROR 9030 - Didactic Prosthodontics (28 Credit Hours)**PROR 9031 - Prosthodontics Completed Treatment Presentation Conference (3 Credit Hours)**

This is a seminar course in which third year prosthodontics residents prepare and present case presentations of the treatment they have completed on their assigned patients. Case presentations are prepared in ABP format and must include clinical photos, radiographs, mounted diagnostic casts, written history, clinical exam information, treatment performed, and an evaluation of treatment outcomes. *May be repeated for credit up to 2 times.*

PROR 9032 - Predoctoral Teaching II (4 Credit Hours)*May be repeated for credit up to 2 times.***PROR 9033 - Clinical Research II (3 Credit Hours)**

Prosthodontics residents gain experience in research beginning in the first year. They must select a research topic and prepare a research protocol during their first year. The research protocol should be approved by the start of year two, when data collection begins. Residents should complete research data

collection and analysis by the fall of year three, and prepare a research paper for publication and/or presentation before they complete the program in the spring of the third year. *May be repeated for credit up to 2 times.*

PROR 9034 - Prosthodontic Board Review III (6 Credit Hours)

May be repeated for credit up to 4 times.

PROR 9120 - Clinical Prosthodontics (21 Credit Hours)

Prosthodontic patient care clinic.

PROR 9121 - Clinical Prosthodontics V (19 Credit Hours)

This is a clinical course for residents in advanced prosthodontics. Residents are assigned patients for comprehensive prosthodontic evaluation and treatment and must complete a specified number of advanced prosthodontic procedures and complete treatment on a specified number of patients in order to satisfy the requirements for completion of the certificate program. *May be repeated for credit up to 2 times.*

PROR 9130 - Clinical Prosthodontics (21 Credit Hours)

Clinical Patient Care

PROR 9131 - Clinical Prosthodontics VI (24 Credit Hours)

This is a clinical course for residents in advanced prosthodontics. Residents are assigned patients for comprehensive prosthodontic evaluation and treatment and must complete a specified number of advanced prosthodontic procedures and complete treatment on a specified number of patients in order to satisfy the requirements for completion of the certificate program. *May be repeated for credit up to 2 times.*

PROSTHODONTICS (PROS)

PROS 5601 - Advanced Prosthodontics (3 Credit Hours)

PROS 5701 - Prosthodontics Clinic (0 to 2 Credit Hours)

PHYSIOLOGY (PSIO)

PSIO 5011 - Research Elective in Physiology (4 Credit Hours)

Prerequisites: Approval by faculty

This course will introduce medical students to physiological research. They will learn how to do hypothesis-based research and learn research methods. *May be repeated for credit up to 1 time.*

PSIO 6110 - Medical Physiology I (8 Credit Hours)

Medical Physiology I contains three components, including Component 1: Principles of Medical Physiology, Component 2: Cardiopulmonary Physiology, and Component 3: Renal Physiology. Component 1 helps students understand normal physiology and diseases based on genetics, nerves, muscle, and molecular biology. Component 2 covers the physiology of the heart and blood vessels as well as the respiratory physiology. Component 3 covers the function of the renal system. The ultimate goal of this course is to enable students to understand the function of these important physiological systems.

PSIO 6410 - Medical Anatomy (2 Credit Hours)

The course teaches human anatomy at a level necessary for a graduate student in medical physiology. The course covers a basic understanding of the structural organization of the human body relative to

system and organismal function. This course will constitute the foundation for other courses in this master's degree program. This course provides the basis for students to begin to appreciate the relationship between anatomical form and physiological function.

PSIO 6510 - Medical Histology (2 Credit Hours)

The course teaches medical histology at a level necessary for a graduate student in medical physiology. This course covers the characteristic morphology of various cells, tissues, and organs discussed in the physiology courses. An emphasis will be placed on the relationship between structure and function to explain human physiology. This course will constitute the foundation for other courses in this master's degree program.

PSIO 6610 - Seminar in Physiology (1 Credit Hour)

This course will expose students to various topics related to physiology and pathophysiology of multiple organ systems including the renal, cardiovascular, respiratory, gastrointestinal, endocrine, and neural systems. The course consists of a weekly journal club (formal review of a scientific publication) that is related to the weekly scientific seminar held in the Department of Physiology. Students will take this course in both spring and fall semesters; each week will cover a different scientific topic. *May be repeated for credit up to 1 time.*

PSIO 6710 - Pathophysiology I (2 Credit Hours)

The course covers the pathophysiology of medical disorders corresponding to the material concurrently covered in Medical Physiology I. The course will therefore address the pathophysiology of disorders related to cell, membrane, and muscle physiology; cardiopulmonary physiology; and renal physiology. The ultimate goal of this course is for students to develop a deep understanding of the etiology of different diseases pertinent to the course material in the fall semester.

PSIO 6720 - Pathophysiology II (2 Credit Hours)

The course teaches the pathophysiology of different disorders at a level required for clinical medicine in medical physiology. The first part of course covers the disorders related to Endocrine Physiology. The second part of course covers the disorders related to GI Physiology. The third part of course covers the disorders related to Neurophysiology. The ultimate goal of this course is for students to develop a deep understanding of the pathophysiology of different diseases related to courses in the spring semester.

PSIO 6810 - Medical Physiology II (6 Credit Hours)

Medical Physiology II contains three components, including Component 1: GI Physiology, Component 2: Endocrinology, and Component 3: Neurophysiology. Component 1 covers the normal function of the GI system. Component 2 covers the numerous classes of hormones, hormone production, sources of hormones, receptors, and target tissues. Component 3 covers the functions of human nervous system. The ultimate goal of this course is to enable students to understand the function of these important physiological systems.

Prerequisite(s): PSIO6110 >= C

PSIO 7110 - Physiology (6 Credit Hours)

A course giving detailed coverage of the major organic systems of the body, their interactions and control. Includes lectures, demonstrations, discussion groups and laboratory work as appropriate.

PSIO 7210 - Advanced Renal Physiology (2 Credit Hours)

The course teaches Renal Physiology at a level appropriate for an advanced graduate student. The course discusses normal physiology as well as selected renal disorders. This course will also cover the important role of the kidney in the regulation of arterial blood pressure. The ultimate goal of this course is for students to develop an in-depth understanding of the integrated functions of renal system.

Prerequisite(s): PSIO6110 >= C

PSIO 7310 - Advanced Cardiovascular Physiology (2 Credit Hours)

The course teaches Cardiovascular Physiology at a level appropriate for an advanced graduate student. The course discusses normal physiology as well as selected cardiovascular disorders. This course helps the student understand the integration of cardiovascular physiology with cardiac muscle, vascular smooth muscle, and endothelium as a basis for a better understanding of human disease. This course will also cover the important mechanisms, including renal pressure-natriuresis and cardiac output, in the regulation of blood pressure. The ultimate goal of this course is for students to develop an in-depth understanding of the integrated functions of cardiovascular system.

Prerequisite(s): PSIO6110 >= C

PSIO 7410 - Independent Research (6 Credit Hours)

This course provides students with the opportunity to experience and learn the scientific fundamentals of physiological research by working on an original research project in the laboratory of an Augusta University faculty member. This course will include an in-depth look at the key elements in the scientific method including: asking important questions/making observations, performing literature reviews, formulating hypotheses, designing experiments to test the hypotheses, obtaining and analyzing data, and presenting the data in written and verbal formats. Students will present the results of their research projects in oral presentation.

PSIO 7510 - Advanced Cell and Molecular Physiology (2 Credit Hours)

This course covers the structure, chemical organization, and function of cells. This course also covers molecular techniques, including gene cloning, PCR, transgenic mice, and knockout mice, and the application of these techniques in research. This is a course designed to help students understand in-depth knowledge of cell and molecular physiology.

Prerequisite(s): PSIO6110 >= C

PSIO 8110 - Medical Physiology I (8 Credit Hours)

Physiology is the fundamental basis of medicine. Physiology emphasizes understanding the mechanisms of life by integrating molecular, cellular, tissue, organ, and whole-body function. This course will focus on the mechanisms of healthy body functions and normal responses to the environment. The course will cover three major modules - Module 1: Principles of Medical Physiology; Module 2: Cardiopulmonary Physiology; and Module 3: Renal Physiology. Module 1 helps students understand normal physiology based on genetics, molecular biology, nerves, and muscle. Module 2 covers the physiology of the heart and blood vessels, as well as respiratory physiology. Module 3 covers the function of the renal system. The goal of this course is to provide students a comprehensive understanding of the functions of these important physiological systems. This course (PSIO 8110 Medical Physiology I) is cross-leveled with PSIO 6110, and includes an additional assignment for doctoral level component. PSIO 8110 and PSIO 6110 are equivalent courses; a student may not receive credit for both.

PSIO 8300 - Thesis Research (1 to 12 Credit Hours)

Permanent assignment to a specific lab with a faculty advisor and a defined research project. Students work under the mentorship of their faculty thesis advisor to define, develop, and carry out the basic study of a research problem of interest to both student and advisor. This course is designed to develop the experience, understanding, and skills to conduct and assess original, independent research in biomedical science. This course is typically taken more than one time and culminates in the final semester in the preparation and defense of a MS thesis. *May be repeated for credit.*

PSIO 8310 - Principles of Medical Physiology (2 Credit Hours)

Explores normal physiology based on genetics, molecular biology, nerves, and muscle. The goal of this course is to provide students a comprehensive understanding of the principles of the basic physiology. This course is the Module 1 of PSIO 8110, cross-leveled with PSIO 6110, and thus, includes an additional assignment for doctoral level component. Students who have earned credits for PSIO 8110 or PSIO 6110 are not allowed to register this course.

Grade Mode: Normal (A, B, C, D, F) (A, B, C, D, F)

PSIO 8315 - Teaching Practicum in Physiology (2 Credit Hours)

This course will provide mentored practical experience teaching in medical physiology. This course will run concurrently with COGS 8033 Integrative Systems Biology which is a 6 credit hour course. Students can sign up for one of the four blocks covered in COGS 8033. Depending on the number of students enrolled, a maximum of two students will be assigned to each block on a first-come, first-served basis. They will be required to attend the lectures, work with the instructor for the preparation of the lectures and exam and tutor first year students who are enrolled in COGS 8033.

PSIO 8320 - Medical GI Physiology (2 Credit Hours)

This course will cover the normal physiology of the gastrointestinal system. The goal of this course is to provide students a comprehensive understanding of the functions and physiology of the GI system. This course (PSIO 8320 Medical GI Physiology) is the Module 1 of the PSIO 8810, cross-leveled with PSIO 6810, and thus, includes an additional assignment for doctoral level component. Students who have earned credits for PSIO 8810 or PSIO 6810 are not allowed to register this course. This course is a 2-credit hour course, including 6 hours of the mini review writing assignment.

PSIO 8330 - Medical Neurophysiology (3 Credit Hours)

This course will cover the functions of human nervous system. The goal of this course is to provide students a comprehensive understanding of the functions and physiology of brain and nervous systems. This course (PSIO 8330 Medical neurophysiology) is the Module 3 of the PSIO 8810, cross-leveled with PSIO 6810, and thus, includes an additional assignment for doctoral level component. Students who have earned credits for PSIO 8810 or PSIO 6810 are not allowed to register this course.

PSIO 8335 - Medical Pulmonary Physiology (2 Credit Hours)

The normal physiology of pulmonary system. Provides students a comprehensive understanding of the functions and regulation of the pulmonary system. This course is the Module 2-2 of the PSIO 8110, cross-leveled with PSIO 6110, and thus, includes an additional assignment for doctoral level component. Students who have earned credits for PSIO 8110 or PSIO 6110 are not allowed to register this course. Grade Mode: Normal (A, B, C, D, F) (A, B, C, D, F)

PSIO 8340 - Advanced Study of Physiology (2 Credit Hours)

Prerequisites: Satisfactory completion of the core course and first exam. The course is designed to provide the student in-depth knowledge of physiology in the area that encompasses their research training. This typically will be a directed reading format with one discussion/oral quiz session per week.

PSIO 8350 - Current Trends in Physiology (1 Credit Hour)**PSIO 8370 - Medical Endocrine and Reproductive Physiology (2 Credit Hours)**

This course will cover the physiology of endocrine and reproductive systems. The goal of this course is to provide students a comprehensive understanding of the functions and physiology of hormonal regulations of endocrine and reproductive systems. This course (PSIO 8370 Medical Endocrine and Reproductive Physiology) is the Module 2 of the PSIO 8810, cross-leveled with PSIO 6810, and thus, includes an additional assignment for doctoral level component. Students who have earned credits for PSIO 8810 or PSIO 6810 are not allowed to register this course.

PSIO 8380 - Medical Cardiovascular Physiology (3 Credit Hours)

The course will cover the normal physiology of Cardiovascular system. The goal of this course is to provide students a comprehensive understanding of the functions and physiology of the cardiovascular system. This course (PSIO 8380 Medical Cardiovascular Physiology) is the Module 2-1 of the PSIO 8110, cross-leveled with PSIO 6110, and thus, includes an additional assignment for doctoral level component. Students who have earned credits for PSIO 8110 or PSIO 6110 are not allowed to register this course. This course is a 3-credit hour course, including 6 hours of the mini review writing assignment.

PSIO 8390 - Medical Renal Physiology (2 Credit Hours)

The course will cover the normal physiology of renal system. The goal of this course is to provide students a comprehensive understanding of the functions and physiology of the urinary system. This course (PSIO 8390 Medical Renal Physiology) is the Module 3 of the PSIO 8110, cross-leveled with PSIO 6110, and thus, includes an additional assignment for doctoral level component. Students who have earned credits for PSIO 8110 or PSIO 6110 are not allowed to register this course.

PSIO 8710 - Pathophysiology I (2 Credit Hours)

This course will focus on the pathophysiology of medical disorders associated with the systems covered in the PSIO 8110 Medical Physiology I course (disorders related to cell, membrane and muscle physiology; cardiopulmonary physiology; and renal physiology). Students will be introduced to common themes and concepts in pathophysiology, as well as clinically relevant disorders of physiological systems. Emphasis will be placed on developing a deeper understanding of the mechanisms of disease and understanding the signs, symptoms and treatment of relevant disorders. This course (PSIO 8710 Pathophysiology I) is cross-leveled with PSIO 6710, and includes an additional assignment for doctoral level component. PSIO 8710 and PSIO 6710 are equivalent courses; a student may not receive credit for both.

PSIO 8720 - Pathophysiology II (2 Credit Hours)

This course will focus on the pathophysiology of medical disorders associated with the systems covered in the PSIO 8810 Medical Physiology II course (disorders related to GI; endocrine and reproductive; and neurophysiology). Students will be introduced to common themes and concepts in pathophysiology, as well as clinically relevant disorders of physiological systems. Emphasis will be placed on developing a deeper understanding of the mechanisms of disease and understanding the signs, symptoms and treatment of relevant disorders. This course (PSIO 8720 Pathophysiology II) is cross-leveled with PSIO 6720, and includes an additional assignment for doctoral level component. PSIO 8720 and PSIO 6720 are equivalent courses; a student may not receive credit for both.

PSIO 8810 - Medical Physiology II (6 Credit Hours)

Physiology is the fundamental basis of medicine. Physiology emphasizes understanding the mechanisms of life by integrating molecular, cellular, tissue, organ, and whole-body function. This course will focus on the mechanisms of healthy body functions and normal responses to the environment. This course is a continuation of the PSIO 8110 Medical Physiology I course, and will cover three major modules - Module 1: Gastrointestinal Physiology; Module 2: Endocrinology; and Module 3: Neurophysiology. Module 1 covers the normal physiology of the gastrointestinal system. Module 2 covers the numerous classes of hormones, hormone production and signaling in normal physiology. Module 3 covers the functions of human nervous system. The goal of this course is to provide students a comprehensive understanding of the functions of these important physiological systems. This course (PSIO 8810 Medical Physiology II) is cross-leveled with PSIO 6810, and includes an additional assignment for doctoral level component. PSIO 8810 and PSIO 6810 are equivalent courses; a student may not receive credit for both.

PSIO 9010 - Seminar in Physiology (1 Credit Hour)

Attendance and participation in research presentations by MCG faculty and visiting research scientists. *May be repeated for credit.*

PSIO 9210 - Investigation of a Problem (1 to 12 Credit Hours)

The student works with individual faculty members on a specific investigative research problem. This provides an introduction to analytical techniques and the scientific method in action. *May be repeated for credit.*

PSIO 9300 - Research (1 to 12 Credit Hours)

Permanent assignment to a specific lab with a faculty advisor and a defined research project. Students work closely with their faculty thesis/dissertation advisor on an in-depth study of a research problem of interest to both student and advisor. This course culminates in the preparation of a PhD dissertation of

MS thesis. Enrollment in this course requires official admission to candidacy. *May be repeated for credit.*

PSYCHIATRY (PSRY)

PSRY 5000 - Basic Psychiatry Clerkship (9 Credit Hours)

This required three (3) week clerkship will allow the student intensive experience with diagnosis and the treatment of psychiatric patients. The student will perform a complete evaluation of assigned patients, with collaboration and guidance of the staff, including a physical and mental status examination involved in formulating and carrying out a treatment plan for the patient including use of individual psychotherapy, psychopharmacology, family therapy, group therapy and other therapeutic modalities.

PSRY 5002 - Consult-Liaison Psychiatry Externship (4 to 8 Credit Hours)

To provide the student doctor with the opportunity to learn directly about the medicine/psychiatry interface. This medical/psychiatric experience can be invaluable for those going into any specialty in medicine.

PSRY 5005 - Psychiatry Off-Campus Externship (4 to 8 Credit Hours)

Special arrangements can be made for elective rotations at other institutions or for preceptorships with individual psychiatrists. *May be repeated for credit up to 3 times.*

PSRY 5007 - Eating Disorders Externship (4 to 8 Credit Hours)

Students will be given an opportunity to be an active member of the MCG Eating Disorders Treatment Team. Dependent upon previous experience, students will be given a number of responsibilities to include the observation and participation of initial assessments and evaluations as well as individual and group psychotherapy of both inpatient and outpatient eating disordered patients. Psychopharmacological management and medical assessment and treatment will also be emphasized. Reading material will be provided concerning a comprehensive biopsychosocial approach to the assessment and treatment of eating disorders.

PSRY 5023 - Child and Adolescent Psychiatry Externship (4 to 8 Credit Hours)

To provide the student doctor with knowledge of diagnostic issues, evaluation strategies, behavioral and pharmacologic treatments, and mental health resources available for children. This rotation focuses on the treatment of children and adolescents admitted for both acute and long-term psychiatric care.

Prerequisite(s): PSRY 5000 >= C

PSRY 5028 - HIV and LGBTQ+ Mental Health (4 to 8 Credit Hours)

In this elective, students will be given an opportunity to explore the psychological impact of HIV/AIDS by participating as part of MCG's HIV/AIDS Mental Health Treatment Team. Students will participate in the treatment of individuals infected with and affected by HIV/AIDS through assessment, individual and group therapy, and psychological consultation in several HIV/AIDS treatment environments.

PSRY 5029 - Molecular Neurobiology of Treatment Outcome of Schizophrenia (4 to 8 Credit Hours)

This elective will explore the molecular neurobiological markers of antipsychotic actions on the brain in rats. The common molecular markers will be studied in body fluids of early psychotic and chronic schizophrenic patients before and after treatment with antipsychotics. The association of these molecular substrates to several key symptomatic dimensions will be examined in patients to understand their clinical applicability. The students will be trained in all aspects of laboratory analysis as well as to watch the clinical assessment of patients. This elective includes two weekly contact hours of seminar.

PSRY 5040 - Research Elective in Psychotic Disorders (4 to 8 Credit Hours)

The student will demonstrate basic understanding of areas of research in psychiatry, particularly in psychotic disorders. The student will perform clinical care of patients with psychotic disorders. The

student will examine and appraise current literature in a manner relevant for dissemination of scientific information. The student will develop a presentation for the departmental journal club, case conference, or any other appropriate venue.

Prerequisite(s): PSRY 5000

PSRY 5041 - Addiction Psychiatry Externship (4 to 8 Credit Hours)

Provides the exposure to the diagnosis and treatment of addiction disease with and without medical and psychiatric co-morbidity. Student will become familiar with the clinical practice of addiction psychiatry at various levels of care to include inpatient, residential partial hospitalization, intensive outpatient and outpatient treatment settings. Patient population may include adolescents, young adults, geriatric, as well as adult patients. Patient care will include detoxification, psychopharmacology, individual, group and milieu therapy and 12 step facilitator.

PSRY 5043 - Emergency Psychiatry Externship (4 to 8 Credit Hours)

Introduce medical students to the fundamentals of emergency psychiatry.

Prerequisite(s): PSRY 5000

PSRY 5044 - Neurostimulation Externship (4 to 8 Credit Hours)

This course introduces the medical student to the fundamentals of therapeutic neurostimulation in psychiatry and to the care of patients with severe, treatment-resistant neuropsychiatric conditions.

Prerequisite(s): PSRY 5000

PSRY 5045 - Advanced Psychiatry Sub-I (4 to 8 Credit Hours)

To prepare the student doctor for internship in psychiatry by becoming an integral part of interdisciplinary treatment teams in a mental health inpatient adult population and take call.

Prerequisite(s): PSRY 5000

PSRY 5046 - Mood Disorders Externship (4 to 8 Credit Hours)

This elective includes a clinical component along with an optional research component. The student will attend a specialized mood disorder clinic and participate in all aspects of clinical care including formulation of diagnosis and management plan,, addressing all aspects of care and various treatment modalities. The elective will include regular meetings for discussion of seminal articles in mood disorders and suicide prevention in addition to attendance of formal educational activities. The optional research component will involve mentoring to develop interest in one area related to mechanistic understanding, psychopharmacology, neuroscience, brain stimulation, electrophysiology research of mood disorders, or suicide prevention. This will include participation in a research project in one of these areas, presentation or publication of the data, and/or mentoring in preparation of a student grant application.

Prerequisite(s): PSRY 5000 >= B

PSRY 5047 - Child and Adolescent Psychiatry Sub I (12 Credit Hours)

To prepare the student doctor for internship in psychiatry by becoming an integral part of interdisciplinary treatment teams in a child and adolescent acute inpatient mental health care setting. The student will evaluate and treat complex patients in the pediatric population and take call.

Prerequisite(s): PSRY 5000 >= C

PSRY 5048 - General Psychiatry Sub I (12 Credit Hours)

To prepare the student doctor for internship in psychiatry by becoming an integral part of interdisciplinary treatment teams in an inpatient mental healthcare setting. The student will evaluate and treat complex patients in the adult population and take call.

Prerequisite(s): PSRY 5000 >= B

PSRY 5050 - Psychiatry Media Elective (8 Credit Hours)

This elective course is designed to provide third- and fourth-year medical students with a self-directed learning experience centered on media-related issues from a mental health perspective. Under regular

faculty supervision and discussion, students critically examine assigned readings and media (e.g., social media, video games, music, cinema, literature) and evaluate how these portray mental health. Students also review academic literature discussing the influence of various media on mental health and well-being. In addition to theoretical exploration, this course integrates a clinical component to enhance practical skills. Students have opportunities to apply their learning in clinical settings by collaborating with mental health professionals, assessing the impact of media on patients, or creating media-focused interventions to address mental health challenges. Students may conduct media assessments as part of patient care or participate in interdisciplinary case discussions exploring the media's role in mental health treatment. Students develop a personalized, media-related project as part of their final project. Options may include creating social media content focused on mental health education or advocacy, collaborating with MCG's media team on public health initiatives, writing a letter to the editor or a learner's perspective column for a journal, or conducting a literature review on media-related mental health issues.

PSRY 5090 - Phase I Research Elective in Psychotic Disorders (1 Credit Hour)

This elective provides introductory experience in psychotic disorders research.

PSRY 5999 - Basic Clerkship Remediation in Psychiatry (1 Credit Hour)

Remediation of the Basic Core Clerkship in Psychiatry

Prerequisite(s): PSRY 5000

PSRY 6599 - PSRY Student Chief (4 to 8 Credit Hours)

This elective is designed to allow M4 students an opportunity to practice their leadership skills as they serve as peer role model to M3 students on the Psychiatry rotation. Student must receive the site clerkship director's approval. *May be repeated for credit up to 1 time.*

Prerequisite(s): PSRY 5000 >= B

PSYCHOLOGY (PSYC)

PSYC 1101 - Introduction to General Psychology (3 Credit Hours)

An introduction to the full breadth of the science and practice of psychology including such topics as research methodology, neurobiology, learning, cognition, emotion and abnormal psychology, development, personality, and social psychology.

PSYC 2101 - Introduction to Psychology of Adjustment (3 Credit Hours)

An examination of applied psychological theory and research as related to self exploration, enhancement of mental health and well being, and prevention of behavioral and mental disorders. Topics will include values development, conflict resolution, lifestyle management, anxiety and stress, and effective interpersonal communication.

PSYC 2103 - Introduction to Human Development (3 Credit Hours)

The study of behavioral, cognitive, emotional and psychosocial changes across the life span. Major developmental theories and research will be examined. Note: This course is intended primarily for nursing and allied health majors. For more detailed coverage of developmental topics, the student may wish to consider PSYC 3131 and/or PSYC 3133.

PSYC 2150 - Introduction to Human Diversity (3 Credit Hours)

An examination of a variety of gender, age, racial, ethnic and cultural issues from a psychological and, to a lesser extent, biological perspective, especially as these influence individual development. Emphasis will be placed on historical trends, communication, critical thinking, and healthy functioning in an increasingly diverse world.

PSYC 2990 - Undergraduate Research (1 to 4 Credit Hours)

Early level supervised research on a psychological topic of interest to the student and supervisor.

Advanced planning is required since activities must be approved by ethics committees of AU and any host agency. *May be repeated for credit up to 9 times.*

PSYC 3121 - Quantitative Methods (3 Credit Hours)

A study of parametric and nonparametric statistics used in correlational and experimental designs in psychological research, including computer applications. This course is a prerequisite to PSYC 3122, Research Methods, and to most all 4000-level PSYC courses.

Prerequisite(s): (PSYC 1101 >= C or PSYC 1101H >= C or PSYC 1103 >= C or SOCI 1103 >= C or PSYC 1105 >= C) and (MATH 1111 >= D or MATH 1001 >= D or MATH 1113 >= D)

PSYC 3122 - Research Methods (3 Credit Hours)

A survey of correlational and experimental research methods used in psychology. Students will use scientific methods in conducting research projects and will write reports using APA style. This course is a prerequisite to most all 4000-level PSYC courses.

Prerequisite(s): (PSYC 1101 >= C or PSYC 1101H >= C or PSYC 1103 >= C or SOCI 1103 >= C or PSYC 1105 >= C) and PSYC 3121 >= C

PSYC 3131 - Child and Adolescent Development (3 Credit Hours)

A study of behavioral, emotional, cognitive, and maturational changes from conception through adolescence. Developmental theories and research are presented with emphasis on applying concepts to life experience.

Prerequisite(s): (PSYC 1101 >= C or PSYC 1101H >= C or PSYC 1103 >= C or SOCI 1103 >= C or PSYC 1105 >= C)

PSYC 3133 - Adult Development and Aging (3 Credit Hours)

A study of physical, emotional, cognitive, behavioral, and psychosocial changes occurring from young adulthood to old age. Focus is placed on topics such as preventive health measures, relationships, work and retirement, and death and dying issues.

Prerequisite(s): (PSYC 1101 >= C or PSYC 1101H >= C or PSYC 1103 >= C or SOCI 1103 >= C)

PSYC 3140 - Theories of Personality (3 Credit Hours)

A survey of major theories of personality along with primary research on the biological, sociocultural and psychological foundations of personality. Emphasis will be placed on the integrated aspects of personality.

Prerequisite(s): (PSYC 1101 >= C or PSYC 1101H >= C or PSYC 1103 >= C or SOCI 1103 >= C)

PSYC 3143 - Abnormal Psychology (3 Credit Hours)

The study of various forms of maladaptive behaviors and intellectual deficits with focus upon terminology and classification systems, etiology, and recognition of primary symptoms.

Prerequisite(s): (PSYC 1101 >= C or PSYC 1101H >= C or PSYC 1103 >= C or SOCI 1103 >= C)

PSYC 3145 - Clinical Psychology (3 Credit Hours)

A critical examination of psychological and biological/medical interventions with disturbed individuals, principally to compare various diagnostic approaches and major psychotherapeutic models.

Prerequisite(s): PSYC 3143 >= C

PSYC 3160 - Sensation and Perception (3 Credit Hours)

A study of the biological and psychological processes that govern encoding and storage of sensory information and the construction of individual perceptions of reality, and how these impact such things as concept formation, consumer preferences, art appreciation, and human factors.

Prerequisite(s): (PSYC 1101 >= C or PSYC 1101H >= C or SOCI 1103 >= C)

PSYC 3178 - Psychology Applied to the Workplace (3 Credit Hours)

A survey of psychology as applied to the workplace. Topics include personnel selection, training, performance appraisal, motivation, work vs. leisure; leadership, and organizational development.

Prerequisite(s): (PSYC 1101 >= C or PSYC 1101H >= C)

PSYC 3180 - Drugs and Behavior (3 Credit Hours)

An introduction to psychopharmacology in its broadest sense, including drug-taking relationships with sociocultural and economic factors, mechanisms of drug action, drug classifications, psychological effects of drugs, abuse and addiction, and psychotherapeutic drugs.

Prerequisite(s): (PSYC 1101 >= C or PSYC 1101H >= C or PSYC 1103 >= C or SOCI 1103 >= C)

PSYC 3183 - Health Psychology (3 Credit Hours)

A survey of the scientific and clinical study of behavior as it relates to wellness, disease, disease prevention, and rehabilitation.

Prerequisite(s): (PSYC 1101 >= C or PSYC 1101H >= C or PSYC 1103 >= C or SOCI 1103 >= C)

PSYC 3188 - Human Sexuality (3 Credit Hours)

This course will provide an overview of sexual development along with the biological, sociocultural, and psychological influences on sexuality and sexual behavior. Sexual dysfunctions, deviations, and victims of sexual assault will also be discussed.

Prerequisite(s): (PSYC 1101 >= C or PSYC 1101H >= C or PSYC 1103 >= C or SOCI 1103 >= C)

PSYC 3190 - Ethical and Professional Foundations (3 Credit Hours)

This course will provide an examination of career opportunities for persons majoring in psychology. In addition the course provides an overview of ethics related to psychology, a foundation in scientific reading and writing, and the foundation to be competitive for future careers.

Prerequisite(s): (PSYC 1101 >= C or PSYC 1101H >= C or PSYC 1103 >= C or SOCI 1103 >= C)

PSYC 3950 - Selected Topics (1 to 5 Credit Hours)

A study, either in a special classroom or on an individual (but supervised) basis, of a selected psychological topic not addressed in the current curriculum. *May be repeated for credit up to 98 times.*

Prerequisite(s): (PSYC 1101 >= C or PSYC 1101H >= C)

PSYC 4115 - History and Systems of Psychology (3 Credit Hours)

The scientific and philosophic antecedents and trends influencing psychology and the development of its principal theoretical schools. Emphasis will be placed on understanding current trends from an historical perspective.

Prerequisite(s): PSYC 3121 >= C

PSYC 4125 - Psychological Tests and Measurement (3 Credit Hours)

Construction and characteristics of tests and measurement scales, including standardization, reliability and validity. The course will include a survey of individual and group tests used in various psychological, educational, business and clinical settings.

Prerequisite(s): PSYC 3121 >= C

PSYC 4165 - Learning Principles and Applications (3 Credit Hours)

The course will focus on the theory and methods of empirically derived principles of conditioning and learning on human and animal subjects.

Prerequisite(s): PSYC 3121 >= C

PSYC 4168 - Cognitive Psychology (3 Credit Hours)

This course will examine the scientific study of human mental processes, including language, memory, problem solving, and attention. The course will emphasize thinking critically about issues central to cognition, grasping the logic of research design and understanding how to weigh evidence in evaluating explanations.

Prerequisite(s): PSYC 3121 >= C

PSYC 4173 - Social Psychology (3 Credit Hours)

A survey of social influences on individual and group behavior. Special topics will include attitude formation and change, social perception and attribution processes, interpersonal attraction, aggression, altruism, social influence, and group dynamics.

Prerequisite(s): PSYC 3121 >= C

PSYC 4180 - Behavioral Neuroscience (3 Credit Hours)

An examination of the biological bases of behavior and mental processes to include learning, perception, emotion, cognition, personality and deviance.

Prerequisite(s): PSYC 3121 >= C

PSYC 4950 - Selected Topics (1 to 3 Credit Hours)

An intensive study, either in a special classroom course or on an individual (but supervised) basis, of a selected psychological area not addressed in the current curriculum. *May be repeated for credit.*

Prerequisite(s): PSYC 3121 >= C

PSYC 4960 - Undergraduate Internship (1 to 9 Credit Hours)

Supervised field experience in a variety of cooperating community institutions or agencies. Registration requires advanced planning with the Director of Undergraduate Internships. *May be repeated for credit.*

Prerequisite(s): PSYC 1101 >= C

PSYC 4990 - Undergraduate Research (1 to 9 Credit Hours)

Supervised research on a psychological topic of interest to the student and supervisor. Advanced planning is required since activities must be approved by ethics committees of AU and any host agency. *May be repeated for credit.*

Prerequisite(s): (PSYC 3122 >= C or PSYC 2990 >= C)

PSYC 6115 - History and Systems of Psychology (3 Credit Hours)

The scientific and philosophical antecedents influencing psychology, and the development of psychology's principal theoretical schools. Emphasis will be placed on understanding current trends from an historical perspective.

PSYC 6121 - Research Methods I (3 Credit Hours)

This course covers theory and application of experimental design in psychology. Topics include but are not limited to controlling confounding variables, hypothesis testing, APA style guidelines, and univariate statistics. The use of computers in psychological research will also be covered.

PSYC 6122 - Research Methods II (3 Credit Hours)

A continuation of PSYC 6121 in examining the theory and application of experimental and correlational designs in psychological research. Focus is placed particularly on multivariate designs and analysis, with other topics including qualitative analyses, research ethics, and APA style guidelines. Computer application of course material will be emphasized.

Prerequisite(s): PSYC 6121 >= B

PSYC 6126 - Cognitive Assessment (3 Credit Hours)

Review of theory and application as related to psychological tests of intellectual and cognitive functioning. The application part of the course focuses on supervised practice in the individual administration and scoring of widely used, psychometrically sound cognitive tests. Moreover, emphasis is placed on interpretation of test results through, for example, multiple reports and feedback of written communication.

PSYC 6127 - Personality Assessment (3 Credit Hours)

Examination of the theoretical and practical issues in personality and diagnostic assessment, with an emphasis on reliability, validity, and test construction, and an emphasis on diagnosis using the current Diagnostic and Statistical Manual.

PSYC 6130 - Developmental Psychology (3 Credit Hours)

A study of biological, cognitive, psychosocial and ecological changes in life span development. The evolution of developmental theory is examined with emphasis on current research in the field.

PSYC 6143 - Behavior Pathology (3 Credit Hours)

The study of the etiology, explanatory models, and terminology associated with diagnosis of disorders described in the current Diagnostic and Statistical Manual. Students will have extensive practice at diagnosing from video clips and written case studies.

Prerequisite(s): PSYC 3143 >= C

PSYC 6145 - Therapeutic Interventions I (3 Credit Hours)

A critical comparison of therapeutic approaches to behavior disorders and problems of daily living, including psychodynamic behavioral, humanistic and cognitive-behavioral models. Practical training in interviewing and therapy is provided.

Prerequisite(s): PSYC 6127 >= B and PSYC 6143 >= B and PSYC 6927 >= B

PSYC 6146 - Therapeutic Interventions II (3 Credit Hours)

A continuation of PSYC 6145, with critical comparison of therapeutic approaches to behavior disorders and problems of daily living, including psychodynamic behavioral, humanistic and cognitive-behavioral models. Practical training in interviewing and therapy is provided.

Prerequisite(s): PSYC 6143 >= B and PSYC 6145 >= B

PSYC 6147 - Seminar in Group Process (3 Credit Hours)

The application of psychotherapeutic and counseling theory to group intervention. Group interactions are used to explore feelings, attitudes, cognition, and interpersonal impact upon others. Techniques of group facilitation and personal exploration are emphasized.

PSYC 6149 - Career Counseling (3 Credit Hours)

Examination of theories of career development and approaches to career counseling in a variety of contexts and populations. Students will become familiar with career counseling assessments, counseling techniques, career development across the lifespan, and ethical issues related to practice. Practical training in career counseling is provided.

PSYC 6165 - Learning Principles and Applications (3 Credit Hours)

The course will focus on the theory and methods of empirically derived principles of conditioning and learning on human and animal subjects. Special attention will be given to clinical and personal applications of the material.

PSYC 6168 - Cognitive Psychology (3 Credit Hours)

This course will examine the scientific study of human mental processes, including language, memory, problem solving, concept formation and attention. The course will emphasize thinking critically about issues central to cognition, grasping the logic of research design and understanding how to weigh evidence in evaluating explanations.

PSYC 6173 - Social Psychology and Human Diversity (3 Credit Hours)

An advanced survey of the traditional areas of research in social psychology including social cognition, the self, attitudes, social influence, prejudice, prosocial behavior, aggression and groups. Emphasis will be placed on relationship of diversity (e.g., gender, ethnicity, sexual orientation, religion, disability) with

these topic areas.

PSYC 6175 - Diversity Issues in Counseling (3 Credit Hours)

Emphasis on knowledge, attitudes, and skills related to assessment and psychotherapeutic interventions with individuals different from the student, including characteristics such as culture, race, gender, sexual orientation, physical disability, and religious preference. Review of theories, trends, and research in assessing and counseling special populations.

PSYC 6181 - Behavioral Neuroscience (3 Credit Hours)

Consideration of the biological bases of behavior, particularly the role of forebrain structures. Clinical neuropsychology will receive special focus. An undergraduate course in biological psychology is recommended but not required.

PSYC 6182 - Clinical and Addictive Psychopharmacology (3 Credit Hours)

A critical examination of contemporary chemical-based therapies for psychological disorders; and a survey of the theoretical, etiological and treatment aspects of drug abuse and (especially) drug addiction. Undergraduate preparation in biological psychology and/or psychopharmacology is preferred but not required.

PSYC 6190 - Professional Foundations (1 Credit Hour)

The course will address multiple professional issues, including licensing, professionalism, the scope of counseling and psychology, and specializations in those fields. In addition, the course will serve as an orientation to the program.

PSYC 6191 - Ethical Issues in Counseling and Psychology (3 Credit Hours)

A critical evaluation of the ethical issues associated with the practice of counseling and psychology. Students will learn about the APA and ACA codes of ethics associated with both treatment and research in the disciplines. Students will be provided with information to make informed ethical decisions in their profession.

PSYC 6921 - Research Methods Lab I (1 Credit Hour)

Designed to be taken concurrently with PSYC 6121 Research Methods I. Provides in-depth experience with design of independent research projects. Other topics include writing APA style manuscripts and statistical analysis using computer software.

Prerequisite(s): PSYC 6121 >= B

PSYC 6922 - Research Methods Laboratory II (1 Credit Hour)

Designed to be taken concurrently with PSYC 6122 Research Methods II. Provides in-depth experience with data collection and analysis of independent research projects. Other topics include writing APA style manuscripts and statistical analysis using computer software.

Prerequisite(s): PSYC 6122

PSYC 6926 - Cognitive Assessment Practicum (1 Credit Hour)

Designed to be taken concurrently with PSYC 6126 Cognitive Assessment. Provides in-depth supervised experience with administration, scoring, and summarizing the results of cognitive assessments applicable to professional psychology.

Prerequisite(s): PSYC 6126

PSYC 6927 - Personality Assessment Practicum (1 Credit Hour)

Designed to be taken concurrently with PSYC 6127 Personality Assessment. Provides in-depth supervised experience with administration, scoring, interpreting, and summarizing the results of empirically-derived personality assessment instruments applicable to professional psychology, including the Minnesota Multiphasic Personality Inventory-2.

PSYC 6930 - Research Practicum I (3 Credit Hours)

In-depth research experience under the supervision of a faculty member. Readings will focus on research ethics and diversity issues in psychological science. Prerequisite(s): Graduate status and prior approval by the faculty instructor or supervisor.

PSYC 6931 - Research Practicum II (3 Credit Hours)

In-depth research experience under the supervision of a faculty member. An emphasis will be placed on writing, professional issues, and philosophy of science. Prerequisite(s): Graduate status and prior approval by the faculty instructor or supervisor.

PSYC 6940 - Industrial-Organization Internship (1 to 3 Credit Hours)

Individually supervised field work in the area of human resources or industrial/organizational psychology in an applied setting relevant to the student's professional goals. In order to enroll in an industrial/organizational internship, students must have completed 18 graduate hours with a B average or better and have the approval of their academic advisor. May be repeated for credit. *May be repeated for credit.*

Prerequisite(s): PSYC 6121 >= B and PSYC 6122 >= B and PSYC 6178 >= C

PSYC 6945 - Therapeutic Intervention Practicum I (1 Credit Hour)

Designed to be taken concurrently with PSYC 6145 Therapeutic Interventions I. Provides in-depth supervised experience with individual psychotherapy. Topics include initial interview and assessments, therapy micro skills, and therapeutic techniques to include humanistic, gestalt, behavioral, and cognitive modalities.

Prerequisite(s): PSYC 6145

PSYC 6946 - Therapeutic Intervention Practicum II (1 Credit Hour)

Designed to be taken concurrently with PSYC 6146 Therapeutic Interventions II. Provides in-depth supervised experience with individual psychotherapy. Topics include initial interview and assessments, therapy micro skills, and empirically based therapy techniques.

Prerequisite(s): PSYC 6146 >= B and PSYC 6945 >= B

PSYC 6950 - Special Topics (1 to 3 Credit Hours)

Supervised independent study or seminars on topics chosen to meet the needs and interests of graduate students which make use of the expertise of the faculty and consultants. May be repeated for credit.

Prerequisite(s): Graduate status and prior approval by the faculty instructor or supervisor. *May be repeated for credit.*

PSYC 6960 - Clinical Internship (1 to 9 Credit Hours)

Individually supervised clinical or counseling field work in an applied setting relevant to the student's professional goals. Students are strongly encouraged to complete PSYC 6145, PSYC 6146, and PSYC 6147 either before or concurrent with the applied internship. Students must have completed 18 graduate hours with a B average or better and have the approval of their academic advisor. *May be repeated for credit.*

Prerequisite(s): PSYC 6190 >= B and PSYC 6126 >= C and PSYC 6127 >= C and PSYC 6143 >= C

PSYC 6970 - Teaching Internship (1 to 9 Credit Hours)

Individually supervised field work in a teaching or educational setting relevant to the student's professional goals. In order to enroll in a Teaching Internship, students must have completed 18 graduate hours with a B average or better and have the approval of their academic advisor. May be repeated for credit. *May be repeated for credit.*

Prerequisite(s): PSYC 6190 >= B

PSYC 6980 - Research Internship (1 to 9 Credit Hours)

Individually supervised fieldwork of a research nature relevant to the student's professional goals. In order

to enroll in a Research Internship, students must have completed 18 graduate hours with a B average or better and have the approval of their academic advisor. May be repeated for credit. *May be repeated for credit.*

Prerequisite(s): PSYC 6121 >= B and PSYC 6122 >= B and PSYC 6190 >= B

PSYC 6990 - Thesis Research (1 to 3 Credit Hours)

The thesis is an independent research project conducted under the supervision of a faculty supervisor. All students pursuing the thesis option must complete a thesis proposal before data collection and defend their completed thesis to a faculty committee. Most thesis students will enroll in PSYC 6990 during the semester they write their thesis proposal and again during the semester they collect data and finish writing the thesis. May be repeated for credit. Only six hours of credit count toward the Master in Science degree. Prerequisite(s): Completion of a minimum of 18 graduate hours in psychology with a B average or better, and approval of the thesis option on the student's plan of study. *May be repeated for credit.*

PSYC 6995 - Independent Research (1 to 3 Credit Hours)

Independent research conducted under the supervision of a faculty supervisor. May be repeated for credit. Prerequisite(s): completion of a minimum of 18 graduate hours in psychology with a B average or better, and approval of the student's faculty advisor. *May be repeated for credit.*

PSYC 1101H- Honors: Introduction to General Psychology (3 Credit Hours)

An introduction to the full breadth of the science and practice of psychology including such topics as research methodology, neurobiology, learning, cognition, emotion and abnormal psychology, development, personality, and social psychology. This is an Honors Course.

PATIENT CARE (PTCR)

PTCR 5921 - Patient Services (0 to 6 Credit Hours)

PTCR 5922 - Patient Services (2 Credit Hours)

PTCR 5923 - Patient Services (3 Credit Hours)

PTCR 5924 - Patient Services (3 Credit Hours)

PTCR 5925 - Patient Services (3 Credit Hours)

PTCR 5926 - Patient Services (3 Credit Hours)

PTCR 5927 - Patient Services (3 Credit Hours)

PTCR 5928 - Patient Services (3 Credit Hours)

PTCR 5929 - Patient Services (3 Credit Hours)

PTCR 5930 - Patient Services (3 Credit Hours)

PTCR 5931 - Patient Services (3 Credit Hours)

PTCR 5932 - Patient Services (3 Credit Hours)

PTCR 5933 - Patient Services (0 to 6 Credit Hours)

PTCR 5934 - Patient Services (1 to 6 Credit Hours)

PHYSICAL THERAPY (PTHP)

PTHP 7105 - Clinical Physiology I (4 Credit Hours)

Provides students with the opportunity to develop the necessary foundational knowledge of normal physiology and pathophysiology of the musculoskeletal system as a basis for physical therapy examination and treatment. The impact of energy metabolism on growth, aging, and exercise is explored. Provides instruction in exercise science as a strong foundation on which the principles of therapeutic exercise are applied. The role of exercise is to improve function, prevent dysfunction, and facilitate recovery from injury and disease throughout the lifespan. *May be repeated for credit up to 2 times.*

PTHP 7110 - Kinesiology for Physical Therapy Practice (3 Credit Hours)

Provides students with the opportunity to develop the skills, knowledge, and competency in kinesiology of human movement as the basis for physical therapy practice. Students will understand normal human motion to provide a conceptual framework for assessing abnormal motion. Content includes principles of the basic structure and function of human joints and skeletal muscle, and biomechanical principles of kinetics and kinematics. These principles of kinesiology are applied to the human body by region including the upper extremity, lower extremity, and axial skeleton. Further application includes posture and gait analysis, and basic assessment and treatment skills for joint mobility impairments. *May be repeated for credit up to 2 times.*

PTHP 7115 - Foundational Skills in Physical Therapy I (4 Credit Hours)

The first course in the foundations of physical therapy sequence which introduces the student to the multiple realms of the patient/client management process, International Classification of Functioning, Disability, and Health (ICF) model, systems review, and review of systems. Provides students with the opportunity to develop the skills, knowledge, and competency in communication within the healthcare system including conflict management, documentation, use of feedback, and patient/caregiver education while appreciating the impact of cultural and societal differences on the provision of patient/client care management. It is expected that the knowledge and skills gained in this course will be applied to patients/clients across the lifespan and continuum of care. *May be repeated for credit up to 2 times.*

Additional Course Fee: Physical Therapy Lab Fee - \$250 Flat Fee

PTHP 7120 - Personal and Professional Leadership Development (1 Credit Hour)

Provides students with the opportunity to develop the skills, knowledge, and competency related to personal leadership and professional development. This course is structured to promote professional identity formation by introducing the student to the professional organization (American Physical Therapy Association [APTA]), its core values and code of ethics. Students learn the standards of professionalism and professional conduct and learn to use feedback and personal reflection as a means of personal and professional growth. It is expected that the knowledge and skills gained in this course are applied to all health care practice settings. *May be repeated for credit up to 2 times.*

PTHP 7125 - Physical Therapy Seminar I (0 Credit Hours)

The first course in the physical therapy seminar sequence. Provides students with opportunities involving academic advisement, service-learning, clinical education preparation and debriefing, programmatic assessment, annual compliance training, and college-specific requirements.

May be repeated for credit up to 2 times.

PTHP 7200 - The Musculoskeletal Movement System I (6 Credit Hours)

The first course in the musculoskeletal movement system sequence. Provides students with the opportunity to develop the skills, knowledge, and competency necessary to manage patients/clients with musculoskeletal dysfunction related to the lower quarter including the lumbopelvic spine and lower extremities. It is expected that the knowledge and skills gained in this course will be applied to effectively and efficiently manage patients/clients with common musculoskeletal problems across the lifespan and

continuum of care to include application of the ICF model, history taking, systems review, examination, evaluation, diagnosis, prognosis, treatment and progression, re-evaluation, and discharge. *May be repeated for credit up to 2 times.*

Prerequisite(s): CAHS 7500 >= C and PTHP 7105 >=B and PTHP 7110 >=B and PTHP 7115 >=B and PTHP 7120 >=B and PTHP 7125 = S

PTHP 7202 - Research II (1 Credit Hour)

Content includes literature search, article critique, beginning to identify a research question. *May be repeated for credit up to 2 times.*

PTHP 7205 - Movement System Case Application I (1 Credit Hour)

Provides students with the opportunity to develop the skills, knowledge, and competency necessary to manage patients/clients using clinical scenarios. This course helps students integrate didactic and clinical concepts using course specific case analysis, Integrated Clinical Experiences, and other activities in the classroom and in various clinical environments locally. The clinical scenarios in this course focus on musculoskeletal, cardiopulmonary, and metabolic diagnoses. It is expected that the knowledge and skills gained in this course will be applied to patients/clients across the lifespan and continuum of care to include application of the ICF model, history taking, systems review, examination, evaluation, diagnosis, prognosis, treatment and progression, re-evaluation, and discharge. *May be repeated for credit up to 2 times.*

Prerequisite(s): CAHS 7500 >= C and PTHP 7105 >=B and PTHP 7110 >=B and PTHP 7115 >=B and PTHP 7120 >=B and PTHP 7125 = S

PTHP 7210 - Foundational Skills in Physical Therapy II (2 Credit Hours)

The second course in the foundations of physical therapy sequence which introduces the student to physical agents, assistive devices, and equipment utilized to promote safe and effective physical therapy practice. Provides students with the opportunity to develop the skills, knowledge, and competency in the assessment of and training of transitional movements such as transfers, balance, gait, and locomotion. It is expected that the knowledge and skills gained in this course will be applied to patients/clients across the lifespan and continuum of care. *May be repeated for credit up to 2 times.*

Prerequisite(s): CAHS 7500 >= C and PTHP 7105 >=B and PTHP 7110 >=B and PTHP 7115 >=B and PTHP 7120 >=B and PTHP 7125 = S

PTHP 7211 - Applied Physiology (3 Credit Hours)

Advanced discussions on topics of integrated applied physiology with respect to normal and pathologic responses and adaptations to various stimuli (e.g., exercise, aging, environmental stress, medications) as well as laboratories to develop clinical skills related to fitness assessment.

PTHP 7212 - Professional Practice Expectations II (1 Credit Hour)

Professional Practice Expectation II (Professional Socialization) is designed to increase the student's awareness of interactions with clients and colleagues in the healthcare system. As a result of this course, the student will become more aware of their patterns of communication as well as having the opportunity to practice effective interaction skills (both oral and written) in a culturally competent manner. This course also examines both the patient's and clinician's response to illness and students are introduced to the concepts of confidentiality and informed consent.

PTHP 7215 - The Cardiovascular and Cardiopulmonary Movement Systems (3 Credit Hours)

Provides students with the opportunity to develop the skills, knowledge, and competency necessary to manage patients/clients with cardiovascular and pulmonary dysfunction. Topics include: basic science, exercise physiology, pathophysiology, and the clinical skills required for the examination and treatment of the cardiovascular and pulmonary systems. Students select and perform examination and intervention skills for primary, secondary, and tertiary management of cardiovascular and pulmonary systems. A strong

emphasis is placed on evaluation and development of a comprehensive plan of care to improve patient/client health and outcomes. It is expected that the knowledge and skills gained in this course will be applied to patients/clients across the lifespan and continuum of care to include application of the ICF model, history taking, systems review, examination, evaluation, diagnosis, prognosis, treatment and progression, re-evaluation, and discharge. *May be repeated for credit up to 2 times.*

Prerequisite(s): CAHS 7500 >=C and PTHP 7105 >=B and PTHP 7110 >=B and PTHP 7115 >=B and PTHP 7120 >=B and PTHP 7125 = S

PTHP 7220 - Seminar II (0 Credit Hours)

The second course in the physical therapy seminar sequence. Provides students with opportunities involving academic advisement, service-learning, clinical education preparation and debriefing, programmatic assessment, annual compliance training, and college-specific requirements. *May be repeated for credit up to 2 times.*

Prerequisite(s): CAHS 7500 >= C and PTHP 7105 >=B and PTHP 7110 >=B and PTHP 7115 >=B and PTHP 7120 >=B and PTHP 7125 = S

PTHP 7221 - Applied Physiology (5 Credit Hours)

This course is a foundational science course and serves as a core building block for the contextual framework needed to understand the physiological basis of physical therapy interventions taught in the clinical courses. The overall goal of the course is for students to gain a deeper understanding of physiology so that they can apply it to physical therapy interventions and better understand the limits of human adaptation, pathophysiology of diseases and pharmacological and non-pharmacological interventions. Exercise physiology and physiology through the lifespan are discussed in relation to three main themes, 1) energy metabolism, endocrine and bone physiology 2) neuromuscular physiology and 3) pulmonary/cardiovascular physiology. The course concludes with an integrative physiology which includes pharmacology and environmental adaptations renal physiology and progressively links the course through a project on fatigue. *May be repeated for credit up to 1 time.*

Prerequisite(s): ANAT 7300 >= C or CAHS 7400 >= C

PTHP 7222 - Foundations of Physical Therapy (6 Credit Hours)

Introduction to the foundational skills for physical therapy practice. Students describe and appraise normal human motion to provide a conceptual framework for assessing abnormal motion. Current and relevant issues in physical therapy are examined. Basic elements of physical therapy management including examination, evaluation and diagnosis are discussed.

PTHP 7223 - General Concepts of Patient Management II (3 Credit Hours)

This course is designed to provide students with the knowledge and skills necessary to provide appropriate general interventions based on the examination, evaluation, diagnosis and prognosis of patients. Topics will include principles of therapeutic exercise, modalities and introduction to other physical therapy interventions. Course content will be presented in a modified problem/case based format and will include small group, interactive labs, resource and lecture sessions.

PTHP 7224 - General Concepts of Patient Management II (4 Credit Hours)

This course is designed to provide students with the knowledge and skills to provide appropriate interventions based on the examination, evaluation, and plan of care for various patients. Skills and knowledge from current and previous courses will be integrated. Students will determine expected outcomes and progress an appropriate plan of care based on patients' responses and healing constraints. Topics will include principles related to physical agents, therapeutic exercise, massage, joint mobilization, progressive mobility, balance, and splinting. Course content will be presented in a modified problem/case-based format and will include small group study activities, interactive labs, and resource and lecture sessions. D2L will be a mechanism for conveying additional information and resource material. *May be repeated for credit up to 1 time.*

PTHP 7300 - The Musculoskeletal Movement System II (6 Credit Hours)

The second course in the musculoskeletal movement system sequence. Provides students with the opportunity to develop the skills, knowledge, and competency necessary to manage patients with musculoskeletal dysfunction related to the upper quarter including the cervicothoracic spine and upper extremities. It is expected that the knowledge and skills gained in this course will be applied to effectively and efficiently manage patients with common musculoskeletal problems across the lifespan and continuum of care to include application of the ICF model, history taking, systems review, examination, evaluation, diagnosis, prognosis, treatment and progression, re-evaluation, and discharge. *May be repeated for credit up to 2 times.*

Prerequisite(s): CAHS 7500 >= C and CAHS 7550 >=C and PTHP 7105 >=B and PTHP 7110 >=B;PTHP 7115 >=B and PTHP 7120 >=B and PTHP 7125 = S; PTHP 7200 >=B and PTHP 7205 >=B and PTHP 7210 >=B and PTHP 7215 >=B and PTHP 7220 = S

PTHP 7303 - Research III (2 Credit Hours)

Contents include experimental control, selecting an appropriate experimental design, single-subject design, surveys, epidemiology, analysis, and project proposal (written report and slide presentation).

PTHP 7305 - Movement System Case Application II (1 Credit Hour)

Provides students with the opportunity to develop the skills, knowledge, and competency necessary to manage patients/clients using clinical scenarios. Helps students integrate didactic and clinical concepts using course specific case analysis, Integrated Clinical Experiences, and other activities in the classroom and in various clinical environments locally. The clinical scenarios in this course focus on musculoskeletal diagnoses, cardiopulmonary and metabolic diagnoses, and health promotion and wellness concepts. It is expected that the knowledge and skills gained in this course will be applied to patients/clients across the lifespan and continuum of care to include application of the ICF model, history taking, systems review, examination, evaluation, diagnosis, prognosis, treatment and progression, re-evaluation, and discharge. *May be repeated for credit up to 2 times.*

Prerequisite(s): CAHS 7500 >= C and CAHS 7550 >=C and PTHP 7105 >=B and PTHP 7110 >=B;PTHP 7115 >=B and PTHP 7120 >=B and PTHP 7125 = S; PTHP 7200 >=B and PTHP 7205 >=B and PTHP 7210 >=B and PTHP 7215 >=B and PTHP 7220 = S

PTHP 7310 - Health Promotion and Wellness in Physical Therapy (3 Credit Hours)

Provides students with the opportunity to develop the skills, knowledge, and competency necessary to manage patients/clients from a population health perspective. The course explores the physical therapist's role in addressing and advocating for improved health outcomes for individuals, groups, and populations. Students will identify methods that physical therapists use to apply their knowledge of health determinant patterns to specific health interventions and current and/or future health policy changes. The course explores individual-level strategies to promote healthy behaviors, manage chronic disease, and change behavior. Individual and community-level approaches to prevention of disease and/or injury, health and wellness promotion and interprofessional collaborative practice are explored to enhance the physical therapist's commitment to transforming the health of society. It is expected that the knowledge and skills gained in this course will be applied to patients/clients across the lifespan and continuum of care. *May be repeated for credit up to 2 times.*

Prerequisite(s): CAHS 7500 >= C and CAHS 7550 >=C and PTHP 7105 >=B and PTHP 7110 >=B;PTHP 7115 >=B and PTHP 7120 >=B and PTHP 7125 = S and PTHP 7200 >=B and PTHP 7205 >=B and PTHP 7210 >=B and PTHP 7215 >=B and PTHP 7220 = S

PTHP 7313 - Professional Practice Expectations III (2 Credit Hours)

Assists students in applying concepts of the teaching learning process to physical therapy practice in a variety of settings (academic, clinical, and professional). Students work in groups to plan, implement, and assess the efficacy of several learning activities.

PTHP 7315 - Evidence-Based Practice I (2 Credit Hours)

Introduction to the principles of evidence-based practice. Students learn strategies for identifying and locating literature to answer a searchable clinical question. They also understand the various levels of

evidence that physical therapists use to make clinical decisions. Students learn a clinically based approach for understanding commonly used statistical tools used to analyze data. These skills will enable students to systematically review scientific literature and make informed decisions regarding the application of research findings in future courses. *May be repeated for credit up to 2 times.*

Prerequisite(s): CAHS 7500 >= C and CAHS 7550 >=C and PTHP 7105 >=B and PTHP 7110 >=B; PTHP 7115 >=B and PTHP 7120 >=B and PTHP 7125 = S and PTHP 7200 >=B and PTHP 7205 >=B and PTHP 7210 >=B and PTHP 7215 >=B and PTHP 7220 = S

PTHP 7320 - Physical Therapy Seminar III (0 Credit Hours)

The third course in the physical therapy seminar sequence. Provides students with opportunities involving academic advisement, service-learning, clinical education preparation and debriefing, programmatic assessment, annual compliance training, and college-specific requirements.

May be repeated for credit up to 2 times.

Prerequisite(s): CAHS 7500 >= C and CAHS 7550 >=C and PTHP 7105 >=B and PTHP 7110 >=B; PTHP 7115 >=B and PTHP 7120 >=B and PTHP 7125 = S and PTHP 7200 >=B and PTHP 7205 >=B and PTHP 7210 >=B and PTHP 7215 >=B and PTHP 7220 = S

PTHP 7331 - Orthopaedics I (6 Credit Hours)

Student groups work through problems and case studies related to peripheral joint pathology, impairments, functional limitations, and disabilities. Emphasis is placed on examination, evaluation, intervention, and physical therapy diagnosis related to the shoulder, elbow, wrist, hand, hip, knee, ankle and foot. Content will include: 1) all previously learned examination skills such as assessment of sensation, range of motion, and strength; 2) special test related to the appendicular skeleton; 3) interventions such as thermal modalities, electro therapeutics, therapeutic exercise, and home programs; and 4) evaluation, intervention, and physical therapy diagnosis skills related to the appendicular skeleton. Basic science principles are integrated with examination and intervention. Both didactic and lab sessions are used during this unit.

PTHP 7341 - Medical Conditions I (6 Credit Hours)

Provides students with the knowledge and skills necessary to provide appropriate PT interventions based on the examination, evaluation, diagnosis and prognosis of patients with cardiopulmonary and endocrine dysfunction. Wellness and prevention as it relates to cardiopulmonary disease and diabetes mellitus will be studied. Course content is presented in modified problem/case based format and includes small group study, interactive labs, resource and lecture sessions.

PTHP 8003 - Applied Neuroscience (4 Credit Hours)

Interdisciplinary study of neuroanatomy, neurophysiology, and clinical neuroscience with integrative coverage of nervous function and dysfunction through case-based application.

PTHP 8005 - The Integumentary and Endocrine Movement Systems (3 Credit Hours)

Provides students with the opportunity to develop the skills, knowledge, and competency necessary to manage patients/clients with diseases and conditions that impact the integumentary system, including diabetes and vascular insufficiencies. Topics covered include basic science, pathophysiology, and the clinical skills required for the examination and treatment of various wounds and burn injuries. Students select and perform examination of the integumentary and endocrine systems across the lifespan and environments of care. Emphasis is on the evaluation and development of a comprehensive plan of care to improve patient/client health and outcomes. It is expected that the knowledge and skills gained in this course will be applied to patients/clients across the lifespan and continuum of care to include application of the ICF model, history taking, systems review, examination, evaluation, diagnosis, prognosis, treatment and progression, re-evaluation, and discharge. *May be repeated for credit up to 2 times.*

Prerequisite(s): CAHS 7500 >= C and CAHS 7550 >=C and PTHP 7105 >=B and PTHP 7110 >=B; PTHP 7115 >=B and PTHP 7120 >=B and PTHP 7125 = S; PTHP 7200 >=B and PTHP 7205 >=B and PTHP 7210 >=B and PTHP 7215 >=B and PTHP 7220 = S and PTHP 7300 >=B and PTHP 7305 >= B and

PTHP 73

Additional Course Fee: Physical Therapy Lab Fee - \$250 Flat Fee

PTHP 8010 - Motor Control and Movement Analysis (3 Credit Hours)

Provides students with the opportunity to learn the theoretical constructs and principles of motor learning, motor control, and motor planning involved in the interactions of body systems that contribute to human movement. Typical and atypical nervous system development and reflex integration are emphasized as a fundamental precursor to normal movement development. The course provides clinical application via analysis of postures and movement across the lifespan and diagnoses involving movement systems of the human body. *May be repeated for credit up to 2 times.*

Prerequisite(s): CAHS 7500 >= C and CAHS 7550 >=C and PTHP 7105 >=B and PTHP 7110 >=B; PTHP 7115 >=B and PTHP 7120 >=B and PTHP 7125 = S; PTHP 7200 >=B and PTHP 7205 >=B and PTHP 7210 >=B and PTHP 7215 >=B and PTHP 7220 = S and PTHP 7300 >=B and PTHP 7305 >= B and PTHP 73

PTHP 8015 - Evidence-Based Practice II (1 Credit Hour)

Introduction to developing critical literature review skills. Students learn and apply strategies on how to critically review multiple types of research studies and published articles. By the end of this course, students systematically review a peer-reviewed article and make clinical decisions regarding application of the findings in physical therapy practice. *May be repeated for credit up to 2 times.*

Prerequisite(s): CAHS 7500 >= C and CAHS 7550 >=C and PTHP 7105 >=B and PTHP 7110 >=B; PTHP 7115 >=B and PTHP 7120 >=B and PTHP 7125 = S and PTHP 7200 >=B and PTHP 7205 >=B and PTHP 7210 >=B and PTHP 7215 >=B and PTHP 7220 = S and PTHP 7300 >=B and PTHP 7305 >= B and PTHP

PTHP 8020 - Leading in Physical Therapy (1 Credit Hour)

Provides students with the opportunity to develop the skills, knowledge, and competency related to professional leadership and development. This course is structured to introduce the student to advocacy for the profession and the healthcare needs of society. Students explore contemporary issues that impact professional practice as well as patient/client rights and appropriate supervision/delegation of components of a patient/client's plan of care based on jurisdictional law, practice guidelines, and practitioner competence. It is expected that the knowledge and skills gained in this course will be applied to all healthcare practice settings. *May be repeated for credit up to 2 times.*

Prerequisite(s): CAHS 7500 >= C and CAHS 7550 >=C and PTHP 7105 >=B and PTHP 7110 >=B; PTHP 7115 >=B and PTHP 7120 >=B and PTHP 7125 = S and PTHP 7200 >=B and PTHP 7205 >=B and PTHP 7210 >=B and PTHP 7215 >=B and PTHP 7220 = S and PTHP 7300 >=B and PTHP 7305 >= B and PTHP

PTHP 8025 - Physical Therapy Clinical Experience I (8 Credit Hours)

The first full-time clinical experience in the clinical education coursework. Focuses on the care of patients/clients with orthopedic problems. Students are assigned to outpatient clinical facilities. Under the direct supervision of a licensed physical therapist, students are expected to use the knowledge and skills gained in didactic coursework to examine, evaluate, diagnose, develop a prognosis, outline expected outcomes, and design and implement an intervention plan for patients/clients with orthopedic dysfunction. *May be repeated for credit up to 2 times.*

Prerequisite(s): CAHS 7500 >= C and CAHS 7550 >=C and PTHP 7105 >=B and PTHP 7110 >=B; PTHP 7115 >=B and PTHP 7120 >=B and PTHP 7125 = S and PTHP 7200 >=B and PTHP 7205 >=B and PTHP 7210 >=B and PTHP 7215 >=B and PTHP 7220 = S and PTHP 7300 >=B and PTHP 7305 >= B and PTHP

PTHP 8030 - Physical Therapy Seminar IV (0 Credit Hours)

The fourth course in the physical therapy seminar sequence. Provide students with opportunities involving academic advisement, service-learning, clinical education preparation and debriefing, programmatic assessment, annual compliance training, and college-specific requirements. *May be repeated for credit up to 2 times.*

Prerequisite(s): CAHS 7500 >= C and CAHS 7550 >=C and PTHP 7105 >=B and PTHP 7110 >=B;PTHP 7115 >=B and PTHP 7120 >=B and PTHP 7125 = S and PTHP 7200 >=B and PTHP 7205 >=B and PTHP 7210 >=B and PTHP 7215 >=B and PTHP 7220 = S and PTHP 7300 >=B and PTHP 7305 >= B and PTHP

PTHP 8105 - The Nervous Movement System I (6 Credit Hours)

This is the first course in the nervous movement system sequence. It provides students with the opportunity to develop the skills, knowledge, and competency necessary to manage patients/ clients with neurologic dysfunction. Emphasis is placed on adults with acquired brain injuries, spinal cord injuries, and stable neurologic conditions across the continuum of care. It is expected that the knowledge and skills gained in this course will be applied to effectively and efficiently manage patients/ clients with common neurologic problems across the continuum of care to include application of the ICF model, history taking, systems review, examination, evaluation, diagnosis, prognosis, treatment and progression, re-evaluation, and discharge. *May be repeated for credit up to 2 times.*

Prerequisite(s): CAHS 7500 >= C and CAHS 7550 >=C and PTHP 7105 >=B and PTHP 7110 >=B and PTHP 7115 >=B and PTHP 7120 >=B and PTHP 7125 = S and PTHP 7200 >=B and PTHP 7205 >=B and PTHP 7210 >=B and PTHP 7215 >=B and PTHP 7220 = S and PTHP 7300 >=B and PTHP 7305 >= B and PTHP 7310 >=B and PTHP 7315 >=B and PTHP 7320 = S and PTHP 8005 >=B and PTHP 8010 >=B and PTHP 8015 >= B and PTHP 8020 >=B and PTHP 8025 >=B and PTHP 8030 = S

PTHP 8110 - Movement System Case Application III (1 Credit Hour)

Provides students with the opportunity to develop the skills, knowledge, and competency necessary to manage patients/clients using clinical scenarios. Helps students integrate didactic and clinical concepts using course specific case analysis, Integrated Clinical Experiences, and other activities in the classroom and in various clinical environments locally. The clinical scenarios focus on neurologic impairments, complex multi-system diagnoses, and the geriatric population. It is expected that the knowledge and skills gained in this course will be applied to patients/clients across the lifespan and continuum of care to include application of the ICF model, history taking, systems review, examination, evaluation, diagnosis, prognosis, treatment and progression, re-evaluation, and discharge *May be repeated for credit up to 2 times.*

Prerequisite(s): CAHS 7500 >= C and CAHS 7550 >=C and PTHP 7105 >=B and PTHP 7110 >=B;PTHP 7115 >=B and PTHP 7120 >=B and PTHP 7125 = S and PTHP 7200 >=B and PTHP 7205 >=B and PTHP 7210 >=B and PTHP 7215 >=B and PTHP 7220 = S and PTHP 7300 >=B and PTHP 7305 >= B and PTHP

PTHP 8115 - Interactions of Multiple Body Movement Systems (3 Credit Hours)

Provides students with the opportunity to develop the skills, knowledge, and competencies necessary to manage patients/clients with multiple system involvement. The dysfunctional states or disorders considered may include primary disease or comorbidities in the gastrointestinal, genitourinary, hepatic, renal, lymphatic and immune systems. Students learn to address multiple disease pathologies and comorbidities as they compound to produce medically complex situations in patients/clients. It is expected that the knowledge and skills gained in this course will be applied to patients/clients across the lifespan and continuum of care to include application of the ICF model, history taking, systems review, examination, evaluation, diagnosis, prognosis, treatment and progression, re-evaluation and discharge. *May be repeated for credit up to 2 times.*

Prerequisite(s): CAHS 7500 >= C and CAHS 7550 >=C and PTHP 7105 >=B and PTHP 7110 >=B;PTHP 7115 >=B and PTHP 7120 >=B and PTHP 7125 = S and PTHP 7200 >=B and PTHP 7205 >=B and PTHP 7210 >=B and PTHP 7215 >=B and PTHP 7220 = S and PTHP 7300 >=B and PTHP 7305 >= B and PTHP

PTHP 8120 - The Musculoskeletal Movement System III (2 Credit Hours)

The third and final course in the musculoskeletal movement system sequence. Provides students with the opportunity to develop the skills, knowledge, and competency necessary to manage patients/clients with amputations including determining prosthetic candidacy, the team approach to prosthetic prescription, prosthetic components, recognizing and managing prosthetic gait deviations, and prosthetic training. It is

expected that the knowledge and skills gained in this course will be applied to effectively and efficiently manage patients/ clients that require the use of prostheses and/or orthoses across the lifespan and continuum of care to include application of the ICF model, history taking, systems review, examination, evaluation, diagnosis, prognosis, treatment and progression, re-evaluation, and discharge. *May be repeated for credit up to 2 times.*

Prerequisite(s): CAHS 7500 >= C and CAHS 7550 >=C and PTHP 7105 >=B and PTHP 7110 >=B;PTHP 7115 >=B and PTHP 7120 >=B and PTHP 7125 = S and PTHP 7200 >=B and PTHP 7205 >=B and PTHP 7210 >=B and PTHP 7215 >=B and PTHP 7220 = S and PTHP 7300 >=B and PTHP 7305 >= B and PTHP

PTHP 8125 - Geriatric Considerations in Patient Management (2 Credit Hours)

A comprehensive, evidence-based overview of physical therapy management of older adults. Students learn to manage the unique needs of an aging adult population across all healthcare settings. Explores the myths of aging while providing evidence to enable older adults to not only survive but thrive. It is expected that the knowledge and skills regarding the aging process gained in this course will be applied to geriatric patients/ clients across all healthcare settings and diagnoses. *May be repeated for credit up to 2 times.*

Prerequisite(s): CAHS 7500 >= C and CAHS 7550 >=C and PTHP 7105 >=B and PTHP 7110 >=B;PTHP 7115 >=B and PTHP 7120 >=B and PTHP 7125 = S and PTHP 7200 >=B and PTHP 7205 >=B and PTHP 7210 >=B and PTHP 7215 >=B and PTHP 7220 = S and PTHP 7300 >=B and PTHP 7305 >= B and PTHP

PTHP 8132 - Orthopaedics II (3 Credit Hours)

Student groups work through problems and case studies related to spinal pathology, impairments, functional limitations, and disabilities. Emphasis is placed on examination, evaluation, intervention, and physical therapy diagnosis related to the spine and axial skeleton. Content includes 1) all previously learned examination skills such as assessment of sensation, range of motion, and strength; 2) previously learned interventions such as thermal modalities, electro therapeutics, therapeutic exercise, and home programs; and 3) new examination, evaluation, intervention, and physical therapy diagnosis skills related to the spine and axial skeleton. Basic science principles are integrated with examination and intervention.

PTHP 8191 - Clinical Experience I (8 Credit Hours)

An 8-week, full-time clinical experience focusing on the care of patients with orthopedic problems. Students are assigned to outpatient clinical facilities. Under the direct supervision of a physical therapist, students use the knowledge and skills gained in didactic coursework to examine, evaluate, diagnose, develop prognoses and expected outcomes, and intervention plans and implement those plans for patients with orthopedic dysfunction. Students document their work using proper format, research information about problems with which they are unfamiliar, and perform other duties pertinent to functioning as a member of the healthcare team.

PTHP 8204 - Research IV (1 Credit Hour)

Contents include data collection and seminar.

Prerequisite(s): Successful completion of previous DPT coursework.

PTHP 8214 - Professional Practical Expectations IV (1 Credit Hour)

Further facilitates the development of each student as a professional. Groups of students are involved in advocacy roles in the community and profession. Provides an opportunity for students to research, present, and facilitate a peer discussion on a current issue affecting the delivery of physical therapy services.

Prerequisite(s): Successful completion of previous DPT coursework

PTHP 8230 - Evidence-Based Practice III (1 Credit Hour)

Introduction to research designs. Students become familiar with multiple research designs used to answer clinical questions pertinent to physical therapy practice. Students also learn the ethics of conducting research and how to gain informed consent. By the end of the course, students will have the

requisite tools to develop a research design to answer a clinical question. *May be repeated for credit up to 2 times.*

Prerequisite(s): CAHS 7500 >= C and CAHS 7550 >=C and PTHP 7105 >=B and PTHP 7110 >=B;PTHP 7115 >=B and PTHP 7120 >=B and PTHP 7125 = S and PTHP 7200 >=B and PTHP 7205 >=B and PTHP 7210 >=B and PTHP 7215 >=B and PTHP 7220 = S and PTHP 7300 >=B and PTHP 7305 >= B and PTHP

PTHP 8235 - Physical Therapy Seminar 5 (0 Credit Hours)

The first course in the physical therapy seminar sequence. Provides students with opportunities involving academic advisement, service-learning, clinical education preparation and debriefing, programmatic assessment, annual compliance training, and college-specific requirements. *May be repeated for credit up to 2 times.*

Prerequisite(s): CAHS 7500 >= C and CAHS 7550 >=C and PTHP 7105 >=B and PTHP 7110 >=B;PTHP 7115 >=B and PTHP 7120 >=B and PTHP 7125 = S and PTHP 7200 >=B and PTHP 7205 >=B and PTHP 7210 >=B and PTHP 7215 >=B and PTHP 7220 = S and PTHP 7300 >=B and PTHP 7305 >= B and PTHP

PTHP 8242 - Medical Conditions II (4 Credit Hours)

Provides students with the knowledge and skills necessary to provide appropriate PT interventions based on the examination, evaluation, diagnosis and prognosis of patients with peripheral vascular disease, wounds, burns, and infectious diseases. Course content is presented in modified problem/case-based format and includes small group study, interactive labs, resource and lecture sessions.

PTHP 8243 - Medical Conditions III (5 Credit Hours)

Provides students with the knowledge and skills necessary to provide appropriate PT interventions based on the examination, diagnosis and prognosis of patients with complex medical and surgical problems. Special emphasis is placed on the patient with multiple medical problems in the critical care unit, the post-surgical patient with amputations, patients with obstetrical and gynecological disorders and patients with cancer. End of life issues are discussed. Course content is presented in modified problem/case-based format and includes small group study, interactive labs, resources and lecture sessions.

Prerequisite(s): Successful completion of previous DPT coursework

PTHP 8245 - Geriatrics (1 Credit Hour)

A comprehensive, evidence-based overview of physical therapy for older adults, integrating physical therapy concepts, evaluations, interventions and clinical decision making. Students learn to manage the special needs of the elderly in all health care settings with clinical application of knowledge in caring for the older adult population. Incorporates aspects of fitness and wellness into the rehabilitative model of care with and without pathological conditions.

PTHP 8300 - The Nervous Movement System II (2 Credit Hours)

This is the second course in the nervous movement system sequence. It provides students with the opportunity to develop the skills, knowledge, and competency necessary to manage patients/clients with neurologic injury and illness. Emphasis is placed on assessing and addressing the specific needs of individuals with progressive neurologic diseases. The course also emphasizes the special considerations of ongoing health promotion and wellness of individuals with chronic stable and progressive neurologic disorders across the lifespan. It is expected that the knowledge and skills gained in this course will be applied to effectively and efficiently manage patients/ clients with common neurologic problems across the continuum of care to include application of the ICF model, history taking, systems review, examination, evaluation, diagnosis, prognosis, treatment and progression, re-evaluation, and discharge. *May be repeated for credit up to 2 times.*

Prerequisite(s): CAHS 7500 >= C and CAHS 7550 >=C and PTHP 7105 >=B and PTHP 7110 >=B and PTHP 7115 >=B and PTHP 7120 >=B and PTHP 7125 = S and PTHP 7200 >=B and PTHP 7205 >=B and PTHP 7210 >=B and PTHP 7215 >=B and PTHP 7220 = S and PTHP 7300 >=B and PTHP 7305 >= B and PTHP

PTHP 8305 - Research V (1 Credit Hour)

Contents include data collection, analyses, and seminar.

Prerequisite(s): Successful completion of previous DPT coursework.

PTHP 8310 - Movement System Case Application IV (1 Credit Hour)

Provides students with the opportunity to develop the skills, knowledge, and competency necessary to manage patients/clients using clinical scenarios. Helps students integrate didactic and clinical concepts using course specific case analysis, Integrated Clinical Experiences, and other activities in the classroom and in various clinical environments locally. The clinical scenarios in this course focus on neurologic impairments, complex multi-system diagnoses, and the pediatric population. It is expected that the knowledge and skills gained in this course will be applied to patients/clients across the lifespan and continuum of care to include application of the ICF model, history taking, systems review, examination, evaluation, diagnosis, prognosis, treatment and progression, re-evaluation, and discharge.

May be repeated for credit up to 2 times.

Prerequisite(s): CAHS 7500 >= C and CAHS 7550 >=C and PTHP 7105 >=B and PTHP 7110 >=B; PTHP 7115 >=B and PTHP 7120 >=B and PTHP 7125 = S and PTHP 7200 >=B and PTHP 7205 >=B and PTHP 7210 >=B and PTHP 7215 >=B and PTHP 7220 = S and PTHP 7300 >=B and PTHP 7305 >= B and PTHP

PTHP 8315 - Professional Practice Expectations 5 (1 Credit Hour)

Provides students with the ethical principles, laws and rules that regulate and guide the practice of physical therapy nationally and in Georgia. Students demonstrate application and integration of these guidelines via case studies based on ethical and legal situations frequently encountered in the clinical settings.

Prerequisite(s): Successful completion of previous DPT coursework

PTHP 8320 - Integrated Patient Management of Individuals with Acute and Critical Illness (3 Credit Hours)

Focuses on the management of individuals with complex, acute and/or chronic illness, disease, or surgical intervention due to life-threatening health conditions in the intensive care unit, acute care hospital, and across the care continuum during recovery. Provides students with the opportunity to apply their knowledge and skills to develop clinical reasoning and practice professional communication in more intense, complex patient care situations. Emphasizes how physical therapy management must include advanced clinical practice across the care continuum for optimal patient outcomes for individuals with acute, critical illness and disease. *May be repeated for credit up to 2 times.*

Prerequisite(s): CAHS 7500 >= C and CAHS 7550 >=C and PTHP 7105 >=B and PTHP 7110 >=B; PTHP 7115 >=B and PTHP 7120 >=B and PTHP 7125 = S and PTHP 7200 >=B and PTHP 7205 >=B and PTHP 7210 >=B and PTHP 7215 >=B and PTHP 7220 = S and PTHP 7300 >=B and PTHP 7305 >= B and PTHP

PTHP 8330 - Pediatric Considerations in Patient Management (3 Credit Hours)

A comprehensive, evidence-based overview of physical therapy management of pediatric patients/clients. Explores developmental milestones, the unique psychosocial needs of the patient/ client and family, handling skills, and communication considerations within the care of this population. It is expected that the knowledge and skills gained in this course will be applied to pediatric patients/ clients across all healthcare settings and diagnoses. *May be repeated for credit up to 2 times.*

Prerequisite(s): CAHS 7500 >= C and CAHS 7550 >=C and PTHP 7105 >=B and PTHP 7110 >=B; PTHP 7115 >=B and PTHP 7120 >=B and PTHP 7125 = S and PTHP 7200 >=B and PTHP 7205 >=B and PTHP 7210 >=B and PTHP 7215 >=B and PTHP 7220 = S and PTHP 7300 >=B and PTHP 7305 >= B and PTHP

PTHP 8335 - Physical Therapy Practice Management (4 Credit Hours)

Provides students with the opportunity to develop the skills, knowledge, and competency necessary for safe and effective practice management across settings. This course is structured to discuss human

resource management, organizational structure, business planning, communication, fiscal responsibilities, productivity, reimbursement, professional development, policies and procedures, quality and risk management, marketing, legal and ethical issues, and health information technology and informatics. It is expected that the knowledge and skills gained in this course will be applied to all healthcare practice settings. *May be repeated for credit up to 2 times.*

Prerequisite(s): CAHS 7500 >= C and CAHS 7550 >=C and PTHP 7105 >=B and PTHP 7110 >=B;PTHP 7115 >=B and PTHP 7120 >=B and PTHP 7125 = S and PTHP 7200 >=B and PTHP 7205 >=B and PTHP 7210 >=B and PTHP 7215 >=B and PTHP 7220 = S and PTHP 7300 >=B and PTHP 7305 >= B and PTHP

PTHP 8340 - Physical Therapy Seminar VI (0 Credit Hours)

The sixth course in the physical therapy seminar sequence. Provides students with opportunities involving academic advisement, service-learning, clinical education preparation and debriefing, programmatic assessment, annual compliance training, and college-specific requirements. *May be repeated for credit up to 2 times.*

Prerequisite(s): CAHS 7500 >= C and CAHS 7550 >=C and PTHP 7105 >=B and PTHP 7110 >=B;PTHP 7115 >=B and PTHP 7120 >=B and PTHP 7125 = S and PTHP 7200 >=B and PTHP 7205 >=B and PTHP 7210 >=B and PTHP 7215 >=B and PTHP 7220 = S and PTHP 7300 >=B and PTHP 7305 >= B and PTHP

PTHP 8351 - Integration for Practice: Neuromuscular (8 Credit Hours)

Through a series of problems, cases and skills labs, this course addresses the integration of pathology and pathophysiology of the nervous system with physical therapy examination, evaluation, diagnosis, prognosis and intervention for patients with neurological disorders. Students are expected to use this information to develop a plan for interventions to meet patient-centered goals. There is a variety of learning experiences available for each student, including the tutorial group process for problems and interaction with persons with neurological disease or injury. There is computer patient stimulations, as well as hands-on lab activities with students and/or faculty simulating patients in which students practice techniques for examination and interventions for physical therapy problems.

Prerequisite(s): Successful completion of previous DPT coursework.

PTHP 8361 - Management (4 Credit Hours)

Assists students in the development of managerial skills pertinent to the healthcare environment. Students apply knowledge of marketing, reimbursement, legislation/regulation, risk management, and quality control to the design and operation of a physical therapy practice. The functions and characteristics of an effective manager are discussed and practiced.

Prerequisite(s): Successful completion of previous DPT coursework.

PTHP 9000 - Physical Therapy Leadership Synthesis (1 Credit Hour)

Provides students with the opportunity to develop the skills, knowledge, and competency necessary for their role in becoming an autonomous practitioner. Structured to promote lifelong learning and career planning as well as collaborative and critical thinking skills necessary for clinical and community leadership including the clinical instruction of students. It is expected that the knowledge and skills gained in this course will be applied to all healthcare practice settings. *May be repeated for credit up to 2 times.*

Prerequisite(s): CAHS 7500 >= C and CAHS 7550 >=C and PTHP 7105 >=B and PTHP 7110 >=B;PTHP 7115 >=B and PTHP 7120 >=B and PTHP 7125 = S and PTHP 7200 >=B and PTHP 7205 >=B and PTHP 7210 >=B and PTHP 7215 >=B and PTHP 7220 = S and PTHP 7300 >=B and PTHP 7305 >= B and PTHP

PTHP 9005 - Physical Therapy Seminar VII (0 Credit Hours)

The seventh course in the physical therapy seminar sequence. Provide students with opportunities involving academic advisement, service-learning, clinical education preparation and debriefing, programmatic assessment, annual compliance training, and college-specific requirements *May be repeated for credit up to 2 times.*

Prerequisite(s): CAHS 7500 >= C and CAHS 7550 >=C and PTHP 7105 >=B and PTHP 7110 >=B;PTHP 7115 >=B and PTHP 7120 >=B and PTHP 7125 = S and PTHP 7200 >=B and PTHP 7205 >=B and PTHP 7210 >=B and PTHP 7215 >=B and PTHP 7220 = S and PTHP 7300 >=B and PTHP 7305 >= B and PTHP

PTHP 9010 - Movement System Case Application V (1 Credit Hour)

Provides students with the opportunity to develop the skills, knowledge, and competency necessary to manage patients/clients using clinical scenarios. Help students integrate didactic and clinical concepts using course specific case analysis and other activities in the classroom and in various clinical environments locally. The clinical scenarios in this course integrate complex patient management specific to any human body and/or movement system. It is expected that the knowledge and skills gained in this course will be applied to patients/clients across the lifespan and continuum of care to include application of the ICF model, history taking, systems review, examination, evaluation, diagnosis, prognosis, treatment and progression, re-evaluation, and discharge. *May be repeated for credit up to 2 times.*

Prerequisite(s): CAHS 7500 >= C and CAHS 7550 >=C and PTHP 7105 >=B and PTHP 7110 >=B;PTHP 7115 >=B and PTHP 7120 >=B and PTHP 7125 = S and PTHP 7200 >=B and PTHP 7205 >=B and PTHP 7210 >=B and PTHP 7215 >=B and PTHP 7220 = S and PTHP 7300 >=B and PTHP 7305 >= B and PTHP

PTHP 9015 - Physical Therapy Clinical Experience II (12 Credit Hours)

The second full-time clinical experience in the clinical education coursework. Focuses on the care of patients/clients in various physical therapy settings. The experience is 12 weeks in length for a minimum of 480 clinical hours. Practice settings may include inpatient, outpatient, subacute, rehabilitation, skilled nursing facilities, school systems, home health, and others in which physical therapy is commonly practiced. Under the direct supervision of a physical therapist, it is expected that the students will use the knowledge and skills gained in didactic coursework to examine, evaluate, diagnose, develop a prognosis, outline expected outcomes, and design and implement an intervention plan for patients/ clients across the life span with problems encompassing any of the body systems and at any phase of care or rehabilitation.

May be repeated for credit up to 2 times.

Prerequisite(s): CAHS 7500 >= C and CAHS 7550 >=C and PTHP 7105 >=B and PTHP 7110 >=B;PTHP 7115 >=B and PTHP 7120 >=B and PTHP 7125 = S and PTHP 7200 >=B and PTHP 7205 >=B and PTHP 7210 >=B and PTHP 7215 >=B and PTHP 7220 = S and PTHP 7300 >=B and PTHP 7305 >= B and PTHP

PTHP 9100 - Physical Therapy Clinical Experience III (12 Credit Hours)

The third full-time clinical experience in the clinical education courses. Focuses on the care of patients/ clients in various physical therapy settings. The experience is 12 weeks in length for a minimum of 480 clinical hours. focuses on the care of patients/clients with a wide variety of diagnoses in settings encompassing the health care continuum. The experiences vary with the student's previous clinical experiences and areas of interest serving as a guide for selection and assignment. Under the direct supervision of a physical therapist, it is expected that the students will use the knowledge and skills gained in didactic coursework to examine, evaluate, diagnose, develop a prognosis, outline expected outcomes, and design and implement an intervention plan for patients/client with a wide variety of medical diagnoses. *May be repeated for credit up to 2 times.*

Prerequisite(s): CAHS 7500 >= C and CAHS 7550 >=C and PTHP 7105 >=B and PTHP 7110 >=B;PTHP 7115 >=B and PTHP 7120 >=B and PTHP 7125 = S and PTHP 7200 >=B and PTHP 7205 >=B and PTHP 7210 >=B and PTHP 7215 >=B and PTHP 7220 = S and PTHP 7300 >=B and PTHP 7305 >= B and PTHP

PTHP 9105 - Physical Therapy Leadership Actualization (1 Credit Hour)

Provides students with the opportunities to self-assess the skills, knowledge, attributes, and competencies required for entry-level clinical practice. This course culminates in a final reflective product that emphasizes the core values of the profession, skills developed in terminal clinical experiences, lifelong learning, and preparation for professional licensure. *May be repeated for credit up to 2 times.*

Prerequisite(s): CAHS 7500 >= C and CAHS 7550 >=C and PTHP 7105 >=B and PTHP 7110 >=B;PTHP

7115 >=B and PTHP 7120 >=B and PTHP 7125 = S and PTHP 7200 >=B and PTHP 7205 >=B and PTHP 7210 >=B and PTHP 7215 >=B and PTHP 7220 = S and PTHP 7300 >=B and PTHP 7305 >= B and PTHP

PTHP 9106 - Research VI (1 Credit Hour)

Contents include finishing up data collection, analyses, final written report and slide presentation.
Prerequisite(s): Successful completion of previous DPT coursework., Satisfactory/Unsatisfactory

PTHP 9116 - Professional Practice Expectations VI (1 Credit Hour)

The capstone of the teaching-learning threads throughout the curriculum. Students design their four week Elective experience during this course, as well as prepare for the fall Clinical Education experiences. Students also critically explore the role of Clinical Instructor (CI) and revisit the assessment and organizational skills necessary for successful practice.
Prerequisite(s): Successful completion of previous DPT coursework.

PTHP 9144 - Medical Conditions 4 (1 Credit Hour)

Student groups work through problems and case studies related to patients with lower and upper limb amputations. Students address the pathology, impairments, functional limitations, and disabilities associated with amputation. Emphasis will be placed on examination, evaluation, intervention and physical therapy diagnosis related to patients with amputations. Content includes: 1) all previously learned examination skills such as assessment of sensation, range of motion and strength; 2) previously learned interventions such as wound care, post-operative care, therapeutic exercise, and home programs; 3) new examinations, evaluation, intervention and physical therapy diagnosis skills related to the patient with an amputation; and 4) new information related to prosthetic prescription and prosthetic training. Basic science principles are integrated with examination, evaluation and intervention.
Prerequisite(s): Successful completion of previous DPT coursework.

PTHP 9152 - Pediatrics (4 Credit Hours)

Provides students with the study of human development with emphasis on children under five. The primary emphasis is on the assessment, evaluation, diagnosis, prognosis and intervention in children with neuromusculoskeletal disorders. Students are expected to use this information to develop interventions to meet patient-centered goals. There is a variety of learning experiences used in this course.
Prerequisite(s): Successful completion of previous DPT coursework.

PTHP 9171 - Integrated Patient Management (3 Credit Hours)

Provides physical therapy students with the opportunity to integrate all aspects of the patient management model across complex patients. Information presented in the course is designed to build on basic skills and expand intervention options as available for the management of patients with musculoskeletal, neuromuscular, cardiopulmonary and integumentary dysfunction. Emphasis is placed on clinical decision-making related to various pathologies. Content is presented using a variety of instructional strategies to include lecture/discussion, small group activities and lab participation. The emphasis of the course is a "hands-on" approach whenever possible. The course culminates in a comprehensive exam.
Prerequisite(s): Successful completion of previous DPT coursework.

PTHP 9292 - Clinical Experience II (16 Credit Hours)

A 16-week full-time clinical experience focusing on the care of patients with neurological and/or complex medical problems. Students are assigned to inpatient acute care, inpatient rehabilitation, skilled nursing or outpatient facilities. This experience may be scheduled either as 16 weeks in one facility with opportunity for participation in multiple patient care areas, or as two 8-week periods in different facilities. Under the direct supervision of a physical therapist, students use the knowledge and skills gained in didactic coursework to examine, evaluate, diagnose, develop a prognosis and expected outcomes and intervention plan and implement that plan for patients with orthopaedic dysfunction. Students document their work using proper format, research information about problems with which they are unfamiliar, and perform other duties pertinent to functioning as a member of the healthcare team. *May be repeated for*

credit up to 2 times.

Prerequisite(s): Successful completion of previous DPT coursework.

PTHP 9393 - Clinical Experience III (12 Credit Hours)

Prerequisites: Successful completion of previous DPT coursework. This is a 12-week full-time clinical experience focusing on the care of patients with a wide variety of diagnoses. The experiences will vary with the student's previous clinical experiences and areas of interest serving as a guide for selection. Under the direct supervision of a physical therapist, students use the knowledge and skills gained in didactic coursework to examine, evaluate, diagnose, develop a prognosis and expected outcomes and intervention plan and implement that plan for patients with a wide variety of medical diagnoses. Students document their work using proper format, research information about problems with which they are unfamiliar, and perform other duties pertinent to functioning as a member of the healthcare team.

PTHP 9394 - Elective (4 Credit Hours)

Students gain knowledge and skills in a physical therapy special interest area by individually defining personal learning objectives and developing learning activities to achieve those objectives. Self assessment, expert opinion and/or peer assessments are utilized to evaluate outcomes of the experience. Study may be in areas related practice, administration, education or research.

Prerequisite(s): Successful completion of previous DPT coursework.

PTHP 9500 - DPT Clinical Experience (0 Credit Hours)

A "zero credit hour course" for tracking clinical year students while they are out on clinical rotations and there are no other remaining required PT courses to register for during a particular semester.

PTHP 9999 - Independent Study (1 to 12 Credit Hours)

Individualized to student's learning needs, either extraordinary or remedial. *May be repeated for credit.*

PHYSICAL THERAPY – POST-PROFESSIONAL (PTPP)

PTPP 9901 - Foundations of Physical Therapy Residency Practice (3 Credit Hours)

Residency participants will learn foundational knowledge to improve their practice they develop as advanced physical therapy practitioners. Course content includes topics related to professional competencies, evidence-based practice, clinical reasoning and examination planning, medical screening, pharmacology, post-operative rehabilitation, management of patients with chronic pain, principles of exercise prescription, and management of select patient populations that span multiple practice settings.

PTPP 9902 - Physical Therapy Residency Practicum I (1 Credit Hour)

Residency participants engage in multiple learning activities and projects designed facilitate their development as professionals, incorporate principles of education, teaching and learning, and mentoring as both the learner and the teacher, integrate information from and participate in interprofessional educational opportunities, and design a quality improvement project to improve patient outcomes.

PTPP 9903 - Orthopaedic Physical Therapy Practice I (3 Credit Hours)

Residency participants will improve their practice as they develop into advanced physical therapy practitioners. Course content includes topics related to examination, evaluation, prognosis, and treatments of orthopaedic conditions of the lower quarter. Content is guided by current evidence and best practice standards to prepare participants for advanced orthopaedic practice and clinical reasoning.

PTPP 9904 - Physical Therapy Residency Practicum II (1 Credit Hour)

Residency participants engage in multiple learning activities and projects designed facilitate their development as professionals, incorporate principles of education, teaching and learning, and mentoring as both the learner and the teacher, integrate information from and participate in interprofessional educational opportunities, identify and plan a patient case report, and implement a quality improvement

project to improve patient outcomes.

PTPP 9905 - Orthopaedic Physical Therapy Practice I (3 Credit Hours)

Residency participants will improve their practice as they develop into advanced physical therapy practitioners. Course content includes topics related to examination, evaluation, prognosis, and treatments of orthopaedic conditions of the upper quarter. Content is guided by current evidence and best practice standards to prepare participants for advanced orthopaedic practice and clinical reasoning.

PTPP 9906 - Physical Therapy Residency Practicum III (1 Credit Hour)

Residency participants engage in multiple learning activities and projects designed facilitate their development as professionals, incorporate principles of education, teaching and learning, and mentoring as both the learner and the teacher, integrate information from and participate in interprofessional educational opportunities, and complete and present a quality improvement project to improve patient outcomes, and complete and present a patient case report.

PATIENT SERVICES (PTSR)

PTSR 5702 - Patient Services (0 to 1 Credit Hour)

PTSR 5703 - Patient Services (1 Credit Hour)

MANAGEMENT SCIENCE (QUAN)

QUAN 3600 - Fundamental Analytics for Business Decision-Making (3 Credit Hours)

Students will learn to apply analytics to solve business problems using computer-based tools. This course focuses on the fundamentals of business analytics and decision-making using approaches that would be applicable in a variety of business contexts and using popular business analytics software packages. Topics include analytical methods, tools, and applications related to making best decisions (optimization), making predictions (forecasting) and developing causal models (regression) in business. Additional data reduction techniques such as cluster analysis and factor analysis are also discussed.

Prerequisite(s): MATH 1401 $\geq$ C and MINF2650 $\geq$ C

QUAN 4620 - Spreadsheet Modeling and Decision Analysis (3 Credit Hours)

Will use visual techniques to understand, document and communicate business models, and then apply information technology to the modeling process for business decisions in accounting, management, operations, finance, and marketing.

Prerequisite(s): MATH 2210 $\geq$ C or MAT221 $\geq$ C and MINF2201 $\geq$ C or MIS210 $\geq$ C

QUAN 4630 - Business Analytics (3 Credit Hours)

Business analytics is concerned with models for describing, predicting, and improving business processes. A wide-variety of tools (e.g., optimization, regression, forecasting, queueing) are applied to problems in management, supply chain, marketing, and finance.

Prerequisite(s): QUAN 3600 $\geq$ C or MATH 3210 $\geq$ C

QUAN 4640 - Operations Management (3 Credit Hours)

Explores the processes (e.g., purchase, manufacture, store, distribute, sell) that are used in managing (i.e., planning and controlling) the operations of organizations that produce goods and provide services. Topics include: process understanding and improvement, managing quality, managing capacity, logistics, demand forecasting, inventory management, material requirements planning, just-in-time/lean production systems and operations scheduling.

Prerequisite(s): (MATH 2210 >= C or MATH 1401 >= C or MATH 1401H >= C) and MGMT3500 >= C

QUAN 4650 - Supplier Relationship Management (3 Credit Hours)

Focuses on managing a firm's upstream supply chain (i.e., its key suppliers of raw materials and parts). An introductory understanding of supply management is provided through an emphasis on supplier relationship management and strategic supply management. Supplier relationship management entails on-going activities including supplier selection, cost management, supplier development, and conflict resolution. Strategic supply management principles include the basic tenets of SCM, the differences between traditional purchasing and contemporary supply management philosophies, and the development of supply management strategy that is linked to business and corporate strategy.

Prerequisite(s): QUAN 4640 >= C (A, B, C, D, F)

QUAN 4660 - Healthcare Operations and Process Improvement (3 Credit Hours)

This course provides a basic framework for understanding and using concepts, practices and tools of operations management in the healthcare industry. Topics include: healthcare operating systems; clinical process management and design; strategy and execution; process improvement and quality; problem solving and decision making; lean process improvement and statistical tools; patient flow; scheduling, forecasting and capacity management; supply chain; operational excellence; and principle-based system design.

Prerequisite(s): MGMT2106 >= C

QUAN 4670 - Logistics (3 Credit Hours)

A solid foundation in the principles and practices of modern logistics. Key topics such as inventory management, transportation planning, warehousing, strategic sourcing and procurement, demand forecasting, information coordination, revenue management, innovation, and sustainability are explored. Through a combination of theoretical concepts and real-world case studies, students develop the skills necessary to optimize the flow of goods and information within a supply chain, reduce operational costs, and enhance overall efficiency.

Prerequisite(s): QUAN 4640 >=C

QUAN 4680 - Quality Management (3 Credit Hours)

A solid foundation in the principles and practices of quality management. Key topics such as the voice of the customer, statistical process control, Six Sigma and Lean, and quality management systems are explored. Through a combination of theoretical concepts and real-world case studies, students develop the skills necessary to improve products, processes, and services.

Prerequisite(s): QUAN 3600 >=C

QUAN 4690 - Supply Chain Management (3 Credit Hours)

The design, planning, control, and improvement of supply chains for competing effectively in the context of global operations. Topics include: supply chain structure and configuration, approaches to intra-organizational and inter-firm integration, and complexities of material, information, and cash flows across international borders. Students explore key topics such as supply chain design and integration, inventory management and demand forecasting, the value of information, network planning, transportation and distribution, contracts, alliances and sourcing, and sustainability management. Students develop a mix of managerial knowledge and quantitative skills to support managerial decision-making through an exposure to conceptual theory and real-world applications and training in quantitative methods.

Prerequisite(s): QUAN 4640 >= C

QUAN 4950 - Selected Topics in Management Science (3 Credit Hours)

A course or directed study in management science. Content to be decided based upon instructor expertise and student interest.

QUAN 6600 - Business Analytics for Managers (3 Credit Hours)

This course will help students sharpen critical thinking skills by applying scientific methods to help them

make informed business decisions. Topics include research design; sampling; data collection, analysis and interpretation; report preparation; and ethics of business research. To be taken early in the program.

QUAN 6610 - Designing, Managing, and Improving Operations (3 Credit Hours)

This course provides students with quantitative tools to solve business problems. They will learn how to use the best available data to generate optimum solutions. Optimization, experiment design, and statistical quality control are covered.

QUAN 6650 - Healthcare Operations Management (3 Credit Hours)

This course provides a framework for understanding and using concepts, practices, and tools of operations management, to support decision-making in the healthcare industry. The course uses a combination of technical concepts and case discussions to approach operational situations from an analytical and a managerial approach. Topics include: operations strategy and healthcare operating systems; quality management, lean process improvement, and statistical process control; clinical process analysis and design; patient flow; capacity management, scheduling, and forecasting; supply chain management; change management and health information technology.

QUAN 6950 - Current Issues in Management Science (3 Credit Hours)

A variable content course individually designed to meet the needs, interests, and professional objectives in business administration. *May be repeated for credit.*

DENTAL RADIOLOGY (RADD)

RADD 5602 - Dental Radiologic Interpretation (2 Credit Hours)

MEDICINE RADIOLOGY (RADM)

RADM 5001 - Radiology Externship (4 to 8 Credit Hours)

This four-week elective provides a basic overview of clinical radiology. Students rotate through most of the major areas of radiology, participating in the clinical diagnostic process. In addition to clinical rotations, lectures and case conferences are scheduled throughout the rotation. The primary goal of the elective is to help students develop a better understanding of the functions of radiology as a contributor to primary care of the patient. Students learn to recognize certain basic radiographic signs and patterns; however, it is not intended that students will be able to "read" a radiograph at the end of the elective.

RADM 5003 - Pediatric Radiology Externship (4 to 8 Credit Hours)

This clerkship is designed for students who have an interest in either Diagnostic Radiology, Pediatrics, or Family Medicine. The four-week rotation will include exposure to radiography, fluoroscopy, CT, ultrasound, and MRI of the pediatric patient. In addition to didactic lectures, students attend film reading sessions with faculty and resident(s).

RADM 5004 - Advanced Diagnostic Radiology Externship (4 to 8 Credit Hours)

The goals of this course include understanding the modalities to image pathology, and determining an efficient approach to the radiologic evaluation of the patient for those students desiring additional exposure to diagnostic radiology.

RADM 5005 - Radiology Off-Campus Externship (4 to 8 Credit Hours)

This elective is designed for students who are considering pursuit of a radiology residency and would like to obtain additional and varied experiences in the field. *May be repeated for credit up to 3 times.*

RADM 5007 - Vascular/Interventional Radiology Externship (4 to 8 Credit Hours)

Prerequisite: Phase III. The student and the attending set specific goals and plan learning activities that

will lead to attainment of the student's objectives.

RADM 5013 - Radiology Research Elective (4 to 8 Credit Hours)

Goals: The goal of this elective is to provide the student with an opportunity to learn fundamental methods and experimental design in radiology research. The research activities shall have direct relevance to the clinical interests of the student; Objectives: To guide the student in the fundamental process of basic science/clinical research including the development of a short research proposal, implementation of experimental methods and critical exchange of ideas with other researchers; Activities: The student will participate in writing a short research proposal relevant to a project in the PI's lab. The student will gain knowledge of the literature of the field, will obtain training and experience in appropriate laboratory methods, analysis and critical interpretation of experimental data; will participate/attend journal clubs, lab meetings and departmental seminars as deemed appropriate by the PI; Assessment: The student will submit a well written, 2-3 page summary of the research describing the hypothesis tested, relevant literature, methods used and data obtained as well as a comprehensive, yet succinct discussion of how the findings obtained add to the body of knowledge being investigated.

RADM 5015 - Introduction to Clinical Ultrasound (4 to 8 Credit Hours)

This course is designed to promote ultrasound technology as a clinical skills tool to enhance the educational experience of MCG medical students with basic science content and to transform basic knowledge and experience of MCG medical students with ultrasound technology to enable readiness to incorporate this skills set into clinical practice.

RADM 5020 - Process Improvement in Healthcare (3 Credit Hours)

During the course, students learn quality and process improvement tools, the LEAN methodology, and the use of data visualization tools. The 7-month course (September – March) begins with a one-hour introduction lecture, which includes goals objectives, and the procedures for developing a process improvement project. Each month consists of a two-hour lecture and discussion, totaling 14 hours of lecture with additional time required for process improvement project planning. The project requires independent data collection. Required readings are provided. Students work one-on-one with a faculty member to develop a process improvement project. Students must spend scheduled time with faculty during each month and present a successful design of a process improvement project by the end of the course. Students should complete six months of clinical rotations before enrolling in the course. The course will accept 20 students per year.

RADM 5085 - Phase I Elective: Introduction to Radiology (1 Credit Hour)

Examine the process of radiologic diagnosis through assigned readings, clinical activities, and discussions with faculty. A daily log of activities and impressions will be kept and turned in to the course coordinator at the end of the course.

RADIATION THERAPY (RADT)

RADT 2312 - Medical Terminology (3 Credit Hours)

The knowledge of medical terminology is fundamental for health professionals. This course is offered as part of the core curriculum so that it may be used as a tool in other advanced coursework. The degree of competency required will be related to the main objectives of the course: spelling, use of correct word forms in context (English as well as medical terms), and using resource materials with ease when unfamiliar terms are encountered.

RADT 3100 - Introduction to Patient Care (2 Credit Hours)

Presentation of fundamental patient care skills and medical terminology needed for entry level biomedical and radiologic science professionals. Content includes essential patient care concepts including medical assessment, physical assessment, physical assistance, infection control and aseptic technique, physiologic monitoring, venipuncture, drug administration, patient special needs, psychosocial considerations and medical emergencies. Prerequisite(s): Admission to the RADT program or

permission of instructor.

RADT 3105 - Introduction to Patient Care Lab (1 Credit Hour)

Laboratories include fundamental patient care skills needed for entry level biomedical and radiologic science professionals. Included are medical assessment, physical assessment, physical assistance, infection control and aseptic technique, physiologic monitoring, venipuncture, drug administration, patient special needs, psychosocial considerations, and medical emergencies.

Corequisite(s): RADT 3100 or permission of instructor

RADT 3210 - Radiation Protection and Biology (3 Credit Hours)

Regulations, principles and practices of radiation protection, and information particular to each radiologic specialty and/or modality. Medical aspects of radiobiology including cellular, systemic and total body responses. Prerequisite(s):

Admission to the RADT program or permission of instructor with College Algebra or Pre-Calculus.

Prerequisite(s): (MATH 1111 $\geq$ C or MATH 1113 $\geq$ C)

RADT 3601 - Principles of Radiation Oncology (4 Credit Hours)

An overview of radiation therapy to include pathology, radiobiology, radiation safety and protection, medical imaging, simulation and therapeutic equipment, treatment procedures, electronic charting, quality improvement, operational issues, as well as the rationale of radiation therapy and related subject matters.

RADT 3641 - Radiation Oncology Clinical Internship I (4 Credit Hours)

Prerequisite: Admission to the program or permission of instructor.

Students work with the clinical personnel in a team approach to radiation therapy treatment, planning and patient care.

Additional Course Fee: Radiation Therapy Lab Fee - \$120 Flat Fee

RADT 3642 - Radiation Oncology Clinical Internship II (4 Credit Hours)

Prerequisite: Admission to the program or permission of instructor.

Students work with the clinical personnel in a team approach to radiation therapy treatment, planning and patient care.

RADT 3643 - Radiation Oncology Clinical Internship III (6 Credit Hours)

Students work with the clinical personnel in a team approach to radiation therapy treatment, planning and patient care.

RADT 4120 - Principles and Instrumentation of CT (3 Credit Hours)

Principles of the production of x-ray including x-ray tubes and generators. Concepts of CT physics and instrumentation. CT scanner equipment fundamentals from first generation to multi-slice, spiral and cine CT.

Prerequisite(s): Admission to the RADT program or permission of instructor.

RADT 4160 - Pathology for Radiologic Sciences (2 Credit Hours)

The course is designed as an overview of pathological disease processes with a focus on specific diseases radiologic students are likely to encounter in the practice of their profession. Emphasis is on relatively common pathologies, their epidemiology, symptomology, diagnosis, and treatment. Each pathological entity is examined in the context of its impact upon the patient, typical course, and distinguishing diagnostic characteristics.

Prerequisite(s): Admission to the RADT program or permission of instructor.

RADT 4300 - Professional Issues and Ethics (1 Credit Hour)

Introduction to current critical issues impacting allied health science; the role of the allied health professional within the healthcare system and its relationship to other healthcare disciplines.

Prerequisite(s): Admission to the RADT program or permission of instructor.

RADT 4400 - Sectional Anatomy (2 Credit Hours)

The course is designed to provide students in radiologic and imaging sciences a supplement to the student's knowledge of anatomy through presentation of longitudinal, sagittal, coronal, and oblique sections of the human body. Correlation with computed tomography, magnetic resonance, sonographic, and SPECT images is made. Students should be able to use the material presented as a foundation for further study in any of the modalities.

Prerequisite(s): Admission to the RADT program or permission of instructor.

RADT 4501 - Seminar in Radiation Oncology Evidence-based Practice (2 Credit Hours)

This course examines how to perform a literature evaluation of current research in the profession. The resources needed to conduct a scholarly investigation are studied including the examination of finding and the significance for practice.

RADT 4600 - Applied Research (1 to 4 Credit Hours)

Pursuit of a topic or course of study, or investigation of a problem, of interest to student and approved by instructor.

RADT 4614 - Radiation Oncology Procedures (2 Credit Hours)

General principles of patient simulation including familiarization with equipment, patient positioning, and the rationale for simulation of radiation therapy portals.

RADT 4615 - Radiation Oncology Seminar (3 Credit Hours)

Prerequisite: Senior standing or permission of instructor.

Review of radiation therapy literature through research, discussions and student or guest presentation.

RADT 4621 - Cancer Management in Radiology Oncology (3 Credit Hours)

The student is provided with an introduction to the specific malignant disease entities by site occurrence. Disease processes and the treatment planning philosophy are discussed, as well as the relationship of these concepts to clinical simulation and treatment planning procedures.

RADT 4640 - Radiation Oncology Clinical Internship IV (4 Credit Hours)

Students work with the clinical personnel in a team approach to radiation therapy treatment, planning and patient care.

RADT 4641 - Radiation Oncology Clinical Internship (3 Credit Hours)

Prerequisite: Admission to the program. Students work with the clinical personnel in a team approach to radiation therapy treatment, planning and patient care.

RADT 4642 - Radiation Oncology Clinical Internship V (4 Credit Hours)

Students work with the clinical personnel in a team approach to radiation therapy treatment, planning and patient care.

RADT 4648 - Applied Project (3 Credit Hours)

Directed project in which the student works independently on a project related to radiation oncology or medical dosimetry

Grade Mode: Normal (A, B, C, D, F)

RADT 4800 - Physics of Radiation Oncology (3 Credit Hours)

Basic principles of radiation such as radioactive decay, production of x-rays, radiation quality, radiation

interaction with matter, radiation detection and measurement, and radiation safety. Design and principles of operation of radiation therapy equipment are included.

Prerequisite(s): Admission to the RADT program or permission of instructor with College Algebra or Pre-Calculus.

Prerequisite(s): (MATH 1111 $\geq$ C or MATH 1113 $\geq$ C)

RADT 4820 - Radiation Oncology Dosimetry (3 Credit Hours)

Application of physics learned in RADT 4800 to radiation oncology. Concepts of dose distribution in tissue patient treatment approaches and planning techniques. Calculation systems for photon, electron, and brachytherapy treatments included and all modification factors for treatment devices, patient geometry and machine parameters considered in-depth. Course designed to augment the student's clinical knowledge from rotations in radiation therapy and medical dosimetry.

Prerequisite(s): RADT 4800, admission to the RADT program or permission of instructor

Prerequisite(s): RADT4800 $\geq$ C

RADT 4825 - Radiation Oncology Dosimetry Lab (1 Credit Hour)

Labs include concepts of radiation detection/measurement, central axis dose distribution, calibration of megavoltage photon beams, calculation of open/shaped fields, dose distributions in two/three dimensions, electron beam dosimetry, and quality assurance.

Corequisite: RADT 4820

Prerequisite: RADT 4800, admission to the RADT program, or permission of the instructor

Prerequisite(s): RADT4800 $\geq$ C; Corequisite(s): RADT4820

ANESTHESIOLOGY (RANE)

RANE 5000 - Anesthesiology (27 Credit Hours)

RANE 5001 - Anesthesiology Pain Management (27 Credit Hours)

CARDIOLOGY (RCAR)

RCAR 5000 - Cardiology (27 Credit Hours)

RCAR 5001 - Clinical Cardiac Electrophysiology (27 Credit Hours)

Clinical Cardiac Electrophysiology

RCAR 5002 - Interventional Cardiology (12 Credit Hours)

This program provides comprehensive subspecialty training to physicians who have completed both a residency and fellowship in Cardiovascular Disease. The focus of our program is training, as follows, to include formal instruction, weekly lectures, clinical experience and competence in prevention, evaluation and management of both inpatients and outpatients with disorders including but not limited to chronic ischemic heart disease, acute ischemic syndrome, valvular and structural heart disease, and bleeding disorders or complications associated with percutaneous intervention of drugs.

DERMATOLOGY (RDER)

RDER 5000 - Dermatology (27 Credit Hours)

EMERGENCY MEDICINE (REMD)

REMD 5000 - Emergency Medicine (27 Credit Hours)

RESTORATIVE DENTISTRY (REST)

REST 5601 - Fixed Prosthodontic Seminar (1 Credit Hour)

REST 5701 - Restorative Clinic (2 to 10 Credit Hours)

FAMILY PRACTICE (RFAP)

RFAP 5000 - Family Practice (27 Credit Hours)

GASTROENTEROLOGY (RGAS)

RGAS 5000 - Gastroenterology/Hepatology (27 Credit Hours)

HEMATOLOGY/ONCOLOGY (RHON)

RHON 5000 - Hematology/Oncology (27 Credit Hours)

INFECTIOUS DISEASE (RINF)

RINF 5000 - Infectious Disease (27 Credit Hours)

ALLERGY IMMUNOLOGY (RMAI)

RMAI 5000 - Medicine Subspecialty Allergy Immunology (27 Credit Hours)

MEDICINE (RMED)

RMED 5000 - Medicine (27 Credit Hours)

METABOLIC ENDOCRINE DISEASE (RMEN)

RMEN 5000 - Metabolic Endocrine Disease (27 Credit Hours)

NEPHROLOGY (RNEP)

RNEP 5000 - Nephrology (27 Credit Hours)

NEUROLOGY (RNEU)

RNEU 5000 - Neurology (27 Credit Hours)

RNEU 5001 - Child Neurology (27 Credit Hours)

RNEU 5002 - Electroencephalogram Neurology (27 Credit Hours)

RNEU 5003 - Electromyography Neurology (27 Credit Hours)

RNEU 5004 - Clinical Neurophysiology (27 Credit Hours)

RNEU 5005 - Neurology Movement Disorder (27 Credit Hours)
Neurology Movement Disorder

OBSTETRICS AND GYNECOLOGY (ROBG)

ROBG 5000 - Obstetrics and Gynecology (27 Credit Hours)

RADIATION ONCOLOGY (RONC)

RONC 5006 - Radiation Therapy Externship (4 to 8 Credit Hours)

Students gain experience in the workup and general management of the cancer patient in the areas of curative therapy, palliation, and supportive care.

RONC 5008 - Radiation Therapy Off-Campus Externship (4 to 8 Credit Hours)

This elective designed for the student who is considering pursuit of a radiation oncology residency and who would like to obtain additional and varied experiences in the field. *May be repeated for credit up to 3 times.*

OPHTHALMOLOGY (ROPH)

ROPH 5000 - Ophthalmology (27 Credit Hours)

PATHOLOGY (RPAT)

RPAT 5000 - Pathology (27 Credit Hours)

RPAT 5001 - Pathology Blood Banking (27 Credit Hours)

PEDIATRIC MEDICINE (RPED)

RPED 5000 - Pediatrics Allergy (27 Credit Hours)

RPED 5001 - Pediatrics Cardiology (27 Credit Hours)

RPED 5002 - Pediatrics General (27 Credit Hours)

RPED 5003 - Pediatrics Neonatology (27 Credit Hours)

RPED 5004 - Pediatrics Critical Care (27 Credit Hours)

PSYCHIATRY (RPSY)

RPSY 5000 - Psychiatry (27 Credit Hours)

RPSY 5001 - Child Psychiatry (27 Credit Hours)

PULMONARY DISEASE (RPUL)

RPUL 5000 - Pulmonary and Critical Care (27 Credit Hours)

RADIOLOGY (RRAD)

RRAD 5000 - Radiology Diagnostic (27 Credit Hours)

RRAD 5001 - Radiology Neuroradiology (27 Credit Hours)

RRAD 5002 - Therapeutic (27 Credit Hours)

RHEUMATOLOGY (RRHE)

RRHE 5000 - Rheumatology (27 Credit Hours)

RESTORATIVE SCIENCES – BIOCLINICAL (RSBC)

RSBC 5605 - Bioclinical Seminar V (2 Credit Hours)

Clinical case histories and reports appropriate to the biomedical and clinical science courses currently or previously taught, and correlated to the students' level of clinical expertise, will be provided to the class. One group will present a case study to the rest of the class, followed by a class discussion session. Faculty moderators will be present for the entire seminar. *May be repeated for credit up to 2 times.*

RESTORATIVE SCIENCES - CARIOLOGY (RSCA)

RSCA 5101 - Cariology (1 Credit Hour)

This foundational course in Cariology is designed to introduce first-semester dental students to the essential concepts and principles of dental caries, including its etiology, diagnosis, prevention, and management. The course provides a comprehensive understanding of the biological, behavioral, and environmental factors that contribute to the development of dental caries.

RESTORATIVE SCIENCES - COMPLETE DENTURE (RSCD)

RSCD 5311 - Preclinical Complete Denture (8 Credit Hours)

The course includes a didactic part and supervised clinical and laboratory sessions on the philosophy and techniques in the fabrication of complete dentures. Material includes oral examinations, preliminary and final impressions, maxillo-mandibular records, denture tooth selection, factors and philosophies of denture occlusion, setting teeth in a balanced lingualized occlusion, verifying maxillo-mandibular records, denture processing, correction of processing errors, completion and insertion of complete dentures. *May be repeated for credit up to 2 times.*

RESTORATIVE SCIENCES - DENTAL MATERIALS (RSDM)

RSDM 5511 - Dental Materials (4 Credit Hours)

This course takes a pragmatic approach to the study of dental materials and their underlying scientific principles as they relate to clinical dentistry. Materials science theory is coupled with material property knowledge of the three basic restorative components (polymers, ceramics, and metals). These fundamentals provide the student with a sound understanding of properties required of a material in a given clinical situation and the ability to analyze manufacturer claims of a product for suitability in a specific application. The course also helps the students troubleshoot potential clinical problems by differentiating possible technique-related problems from those arising from material selection or composition. The course consists of three parts: seminars, hands-on lab sessions, and small group student presentations. Seminars are 1.5-hour long, and cover one specific topic or area. There are five 2.5-hour hands-on lab sessions, each consisting of five different "experiences" in which students have the opportunity to manipulate materials, discover their unique properties, and understand how these materials are used clinically. There will be five small group student presentations, simulating a flipped classroom environment. Topics for these presentations will come from contemporary issues of clinical interest identified by students, as well as by faculty. *May be repeated for credit up to 2 times.*

RESTORATIVE SCIENCES - DENTAL SCIENCES (RSDS)

RSDS 5211 - Introduction to Dental Sciences (4 Credit Hours)

This course introduces the student to basic dental terminology, instruments and laboratory equipment, and the risks associated with their use. It familiarizes the student with different types of dental stones and impression materials, and their use in the fabrication of diverse types of casts. The course presents basic information on the microbiological aspects of dentistry; dental infection control procedures; instrument sterilization; state dental board rules; four-handed dentistry; and interpersonal skills to enable freshman dental students to safely assist and observe upperclassmen in clinics. *May be repeated for credit up to 2 times.*

RSDS 5391 - Introduction to Clinical Dentistry (3 Credit Hours)

The purpose of this clinical course during the sophomore year is to provide the student with the opportunity to gain clinical experience and skill while demonstrating clinical knowledge and independent technical abilities for oral medicine, diagnosis, radiology, periodontics, and operative dentistry. Students will rotate to different clinics. *May be repeated for credit up to 2 times.*

RSDS 5492 - Introduction to Clinical Dentistry II (3 Credit Hours)

The purpose of this clinical course during the sophomore year is to provide the student with the opportunity to gain clinical experience and skill while demonstrating clinical knowledge and independent technical abilities for oral medicine, diagnosis, radiology, periodontics, and operative dentistry. Students will rotate to different clinics. *May be repeated for credit up to 2 times.*

RESTORATIVE SCIENCE – ESTHETIC DENTISTRY (RSED)

RSED 5511 - Esthetic Restorative Dentistry (4 Credit Hours)

The goal of this course is to provide an exposure of the special didactic and clinical requirements of esthetic restorations such as; porcelain and composite veneers, direct placement layered composites, shade selection, and vital bleaching procedures. In addition, students will learn to evaluate and document the esthetic needs of patients through the use of a smile analysis and intra-oral photography. Treatment rationale and restoration longevity are presented so that the student can successfully develop a comprehensive esthetic treatment plan. *May be repeated for credit up to 2 times.*

RESTORATIVE SCIENCES - FIXED (RSFX)

RSFX 5311 - Fixed Prosthodontics I (5 Credit Hours)

Students are introduced to principles and techniques encountered in the preparation of teeth and subsequent fabrication and delivery of a gold crown, including various provisional restorations, pin-retained foundations, PVS impressions, and articulation of casts for posterior single-tooth gold crowns. *May be repeated for credit up to 2 times.*

RSFX 5412 - Fixed Prosthodontics II (7 Credit Hours)

Lecture and laboratory segments discussing fundamentals of abutment preparation, retainer and pontic design and clinical procedures for fabrication of fixed partial prostheses and single units in all metal and ceramic veneers on vital and endodontically treated teeth. *May be repeated for credit up to 2 times.*

RESTORATIVE SCIENCES – GERIATRIC DENTISTRY (RSGD)

RSGD 5701 - Dental Challenges in Treating Older Adults (1 Credit Hour)

An in-depth exploration of the unique dental challenges faced when treating older adults. As the population ages, dental professionals must be equipped with specialized knowledge and skills to address the complex needs of geriatric patients. Students gain insights into the physiological, pharmacological, and psychological aspects of aging that impact dental care. Topics range from managing medically compromised patients to understanding the links between oral and systemic health, and from prosthodontic challenges to effective communication strategies with older adults. Students are prepared to deliver comprehensive, compassionate, and effective dental care to the elderly population.

RESTORATIVE SCIENCES – INTRODUCTION DENTISTRY (RSID)

RSID 5211 - Introduction to Dental Sciences (4 Credit Hours)

This course introduces the student to basic dental terminology, instruments and laboratory equipment, and the risks associated with their use. It familiarizes the student with different types of dental stones and impression materials, and their use in the fabrication of diverse types of casts. The course presents basic information on the microbiological aspects of dentistry; dental infection control procedures; instrument sterilization; state dental board rules; four-handed dentistry; and interpersonal skills to enable freshman dental students to safely assist and observe upperclassmen in clinics. *May be repeated for credit up to 2 times.*

RESTORATIVE SCIENCES - OCCLUSION (RSOC)

RSOC 5111 - Dental Anatomy and Occlusion (8 Credit Hours)

This course includes material from two very closely related topics: dental anatomy and occlusion of the natural dentition. The dental anatomy component introduces the student to the morphology of the primary and permanent dentition. Throughout the course, tooth arch traits, type traits, specific developmental and eruption features, as well as anomalies, will be stressed for both primary and permanent dentitions. In addition, a preliminary overview to gross structures of the masticatory system, periodontal anatomy, internal root anatomy is presented. Knowledge from didactic learning of arch traits and type traits is then applied to waxing selected teeth in the permanent dentition on the dentoform. The course also introduces the student to the basic concepts of occlusion. The main emphasis is on the occlusion of the natural dentition, but certain aspects also apply to the occlusion of the artificial dentition. The purposes are to familiarize the student with 1) necessary terminology, 2) condylar movement characteristics and the resulting interactions of teeth, 3) basic knowledge of optimal occlusion and acceptable variations, and 4) the psychomotor skills related to restorative and prosthetic dentistry. The occlusal waxing phase of the course is concerned with the form-function interrelationships of the opposing surfaces of natural and artificial teeth. The rationale for current concepts of occlusion based on mechanical and known biological principles will be presented. The student will be expected to integrate manual skills and didactic knowledge by forming the coronal surfaces of teeth in wax while utilizing a dentoform and pre-formed dies. This course begins to impart to students the knowledge and skills necessary to restore missing parts or complete crowns of teeth to anatomical form that is in intra-arch and inter-arch harmony both in centric and eccentric mandibular positions. *May be repeated for credit up to 2 times.*

RSOC 5311 - Occlusal Analysis (2 Credit Hours)

This course consists of lectures, laboratory exercises and clinical procedures involved in determining the functional status of the natural dentition with a clinical occlusal examination; in making alginate impressions, generating stone casts and mounting the diagnostic casts in a semi-adjustable and hinge articulator; and in performing a complete or limited occlusal adjustment on the natural dentition. *May be repeated for credit up to 2 times.*

RESTORATIVE SCIENCES - OPERATIVE (RSOP)

RSOP 5111 - Operative Dentistry I (4 Credit Hours)

RSOP 5111 teaches the evidence-based principles and techniques of conservative cavity preparation and the restoration of teeth with direct restorative materials. Topics include but are not limited to the caries diagnosis; appropriate restorative plan, field isolation, preparation design, and the clinical application of restorative materials and ergonomics. Laboratory treatment of simulated permanent teeth and extracted human teeth is utilized to teach basic restorative concepts. Larger preparations and restorations are also performed to simulate real clinical situations. *May be repeated for credit up to 2 times.*

RSOP 5212 - Operative Dentistry II (4 Credit Hours)

RSOP 5212 teaches the evidence-based principles and techniques of conservative cavity preparation and the restoration of teeth with silver amalgam and tooth-colored restorative materials. Topics include but are not limited to the diagnosis of dental caries; preparation design including the use of auxiliary retention and dentin bonding; field isolation; the clinical application of restorative materials and ergonomics. Laboratory treatment of simulated permanent teeth and extracted human teeth is utilized to teach basic restorative concepts. Larger preparations and restorations are also performed to simulate real clinical situations. *May be repeated for credit up to 2 times.*

RESTORATIVE SCIENCES - PROSTHODONTICS (RSPR)

RSPR 5411 - Removable Partial Dentures (7 Credit Hours)

This laboratory technique course stresses the fundamentals of proper RPD design and fabrication. Emphasis is on examination, diagnosis, sequential treatment planning and mouth preparation including occlusal modification to assure optimal stability and occlusal harmony of the RPD(s) in function, including the use of endosseous implants. Diagnosis and treatment planning of the partially dentate patient, including provisional techniques, sequencing of treatment and preparation for complete edentulism will also be introduced. *May be repeated for credit up to 2 times.*

RSPR 5591 - Prosthodontics Clinic I (3 Credit Hours)

In this junior level prosthodontics clinic, the student will examine patients requiring removable prosthodontic care and then design, construct and insert four units of removable prosthodontics, under faculty supervision, by the end of the 8th semester. In addition the student will complete at least one treatment planning board (TPB) competency, one laboratory prescription/work authorization competency, six clinical competency examinations (CE's) and one occlusion procedure (D9940-Splint, D9951 Limited Occlusal Adjustment, D9952 Complete Occlusal Adjustment). *May be repeated for credit up to 2 times.*

RSPR 5692 - Prosthodontics Clinic II (4 Credit Hours)

Students examine patients requiring fixed and removable prosthodontic care, insertion of four indirect fixed restorations, design, fabricate and insertion two sets of dentures, either CULD or Max CD/Class 1 or 2 RPD, under faculty supervision, by the end of their third year. D3 students must demonstrate competence in completing either a Fixed or a Removable Work Authorization, complete some aspect of occlusal therapy (D9951, D9952, D9944) and have begun/completed some other type of Removable Prosthodontic treatment (e.g., Immediate CD, RPD, Interim). Students' second set of complete dentures will be completed with minimal faculty intervention to demonstrate competence in six procedures. Students are expected to create portfolios documenting their planning, sequencing, and treatments, and be prepared to present any of these portfolios. One practice 123 Sequencing Board must be completed by the end of the semester. This supports the competency assessment of a 123 Sequencing Board during the Spring semester. The third year is completed with the successful passing of the D3 OSCE Assessment. Students are also expected to manage their patient populations ethically and effectively, ensuring that graduation expectations will be met in a timely manner. *May be repeated for credit up to 2 times.*

RESTORATIVE SCIENCES – RESTORATIVE CLINIC (RSRC)

RSRC 5591 - Restorative Clinic I (4 Credit Hours)

The purpose of this clinical course during the junior year is to provide the student with the opportunity to gain clinical experience and skill while demonstrating clinical knowledge and technical abilities for a variety of indirect and direct restorative procedures. *May be repeated for credit up to 2 times.*

RSRC 5692 - Restorative Clinic II (4 Credit Hours)

The purpose of this clinical course during the junior year is to provide the student with the opportunity to gain clinical experience and skill while demonstrating clinical knowledge and technical abilities for a variety of indirect and direct restorative procedures. *May be repeated for credit up to 2 times.*

RESTORATIVE SCIENCES – TREATMENT PLANNING (RSTP)

RSTP 5201 - Diagnosis and Treatment Planning I (3 Credit Hours)

This course continues the teaching of oral diagnosis begun in DSOM 5301, but focuses on the dentition, primarily identifying and charting existing dental restorations, conditions, and dental pathosis, including caries, in the school's Electronic Dental Record (axiUm). Incorporating medical history evaluation into the

dental examination and axiUm documentation will be expanded and reinforced, as well as an introduction to writing chart notes in correct format. Key disease risk assessments will be incorporated. All didactic topics will be explored using a case-based format. *May be repeated for credit up to 2 times.*

RSTP 5502 - Diagnosis and Treatment Planning II (1 Credit Hour)

This course follows DXTP 5001 and TXPL 5001 (Treatment Planning I) expanding on concepts, principles and treatment philosophy associated with the diagnostic process and subsequent clinical treatment. The intent of this course is to present, review and amplify these concepts with emphasis on data analysis/correlation, diagnosis, prognosis and appropriately phased/prioritized problem based dental/orofacial treatment planning. *May be repeated for credit up to 2 times.*

RSTP 5591 - Diagnosis and Treatment Planning Clinic I (2 Credit Hours)

This course continues the student's training in clinical techniques of oral physical examination, collection of diagnostic data, treatment planning, and patient management. *May be repeated for credit up to 2 times.*

RSTP 5692 - Diagnosis and Treatment Planning Clinic II (1 Credit Hour)

This course continues the student's training in clinical techniques of oral physical examination, collection of diagnostic data, treatment planning, and patient management. *May be repeated for credit up to 2 times.*

SURGERY - RESIDENT (RSUR)

RSUR 5000 - Surgery (27 Credit Hours)

RSUR 5001 - Neurosurgery (27 Credit Hours)

RSUR 5002 - Otolaryngology (27 Credit Hours)

RSUR 5003 - Orthopedics (27 Credit Hours)

RSUR 5004 - Plastic/Reconstructive Surgery (27 Credit Hours)

RSUR 5005 - Thoracic/Cardiac Surgery (27 Credit Hours)

RSUR 5006 - Oral Surgery Internship (27 Credit Hours)

RSUR 5007 - Neurosurgery Spine Fellow non ACGME (27 Credit Hours)

RESPIRATORY THERAPY (RTHP)

RTHP 3100 - Foundations of Respiratory Care (3 Credit Hours)

This course covers introductory topics required for the study of respiratory care. Medical terminology, basic principles of pharmacology, applied anatomy, physiology, and function of the reparatory and closely related systems included.

RTHP 3204 - Fundamentals of Respiratory Care Practice I (3 Credit Hours)

An integrated approach to principles and applications of cardiopulmonary physiology, physical assessment, and basic respiratory care equipment and techniques.

Corequisite(s): RTHP 3208 or permission of instructor

RTHP 3208 - Fundamentals of Respiratory Care Practice Lab I (2 Credit Hours)

The companion lab for RTHP 3204, providing students an integrated approach to patient assessment, basic respiratory care equipment, and patient care.

Corequisite(s): RTHP 3204 or permission of instructor

Additional Course Fee: Respiratory Therapy Lab Fee - \$150 Flat Fee

RTHP 3211 - Introduction to Problem Based Learning (3 Credit Hours)

An introduction to the process of problem-based learning using small groups to discuss patient problems pertaining to cardiopulmonary disease. Development of communication, critical thinking, and peer teaching skills are emphasized. Orientation to and assessment of the effective use of electronic resources to research learning topics is included.

RTHP 3304 - Fundamentals of Respiratory Care Practice II (3 Credit Hours)

A continuation of an integrative approach to the study and application of concepts in cardiopulmonary physiology, physical assessment, and respiratory care equipment technology.

Prerequisites: Successful completion of previous RTHP courses and concurrent enrollment in RTHP 3308, or permission of the instructor.

RTHP 3308 - Fundamentals of Respiratory Care Practice Lab II (1 Credit Hour)

The companion lab for RTHP 3304, providing students an integrated approach to patient assessment, basic respiratory care equipment and patient care techniques.

Prerequisites: Successful completion of previous RTHP courses and concurrent enrollment in RTHP 3304, or permission of the instructor.

RTHP 3317 - Advanced Respiratory Care Techniques Lab (1 Credit Hour)

The companion lab for RTHP 3314. This course covers clinical applications of material presented in RTHP 3314 as well as relevant cardiopulmonary anatomy.

Prerequisites: Successful completion of previous RTHP courses and concurrent enrollment in RTHP 3314, or permission of the instructor.

RTHP 3322 - Clinical Aspects of Cardiopulmonary Disease for the Respiratory Therapist I (3 Credit Hours)

Successful completion of all previous RTHP courses is required. This course covers the pathophysiological mechanism, clinical presentation, and management of common cardiopulmonary diseases with emphasis on the role of the respiratory care professional.

RTHP 3525 - Clinic I (3 Credit Hours)

Students perform respiratory care procedures in acute care areas and alternate sites with emphasis placed on patient assessment and basic care techniques.

Prerequisites: Successful completion of previous RTHP courses or permission of the instructor.

RTHP 3560 - Diagnostic Testing in Respiratory Care (3 Credit Hours)

Successful completion of all previous RTHP courses or admission to the RSRT Completion Program is required. This course addresses principles of operation and application of diagnostic procedures used, interpreted and/or performed by the respiratory care practitioner.

RTHP 3601 - Community and Public Health Respiratory Therapy (3 Credit Hours)

Successful completion of all previous RTHP courses or admission to the RSRT Completion Program is required. This course provides an overview of the role of the respiratory therapist across the continuum of care to include geriatric care, pulmonary rehabilitation, case management, public health, home health, U.S. health care delivery system and patient/family education.

RTHP 3707 - Directed Individual Study: Quality Management (1 to 3 Credit Hours)

The study and/or application of quality management processes as related to an area of Respiratory Therapy.

Prerequisites: Permission of the instructor. *May be repeated for credit.*

RTHP 4114 - Introduction to Ventilator-Patient Management (3 Credit Hours)

A study of intensive respiratory care ventilator-patient management. Course emphasizes ventilator function, waveform analysis, and patient assessment.

Prerequisites: Successful completion of previous RTHP courses and concurrent enrollment in RTHP 4117, or permission of the instructor.

RTHP 4117 - Introduction to Ventilator-Patient Management Lab (1 Credit Hour)

A study of intensive respiratory care ventilator-patient management. Lab emphasizes ventilator function, waveform analysis, and patient assessment.

Prerequisites: Successful completion of previous RTHP courses and concurrent enrollment in RTHP 4114, or permission of the instructor.

RTHP 4124 - Neonatal and Pediatric Respiratory Care (3 Credit Hours)

Comprehensive study of neonatal and pediatric respiratory care with the emphasis on fetal development, labor and delivery, patient assessment, resuscitation techniques, cardiopulmonary diseases, and techniques of conventional and non-conventional mechanical ventilation.

Prerequisites: Satisfactory completion of all previous RTHP courses and concurrent enrollment in RTHP 4127 or permission of instructor.

RTHP 4127 - Neonatal and Pediatric Respiratory Care Lab (2 Credit Hours)

Hands on experience with equipment and techniques used in neonatal and pediatric respiratory care.

Prerequisites: Successful completion of semester RTHP courses and concurrent enrollment in RTHP 4124, or permission of the instructor.

RTHP 4303 - Independent Study (1 to 5 Credit Hours)

An opportunity to study a topic of particular interest in a non-resident or independent setting.

Prerequisite: Permission of the instructor. *May be repeated for credit.*

RTHP 4304 - Directed Individual Study: Marketing Respiratory Care (1 to 3 Credit Hours)

The study of general marketing theory with emphasis on the development and delivery of a plan for the marketing of the respiratory care profession.

Prerequisites: Permission of the instructor. *May be repeated for credit.*

RTHP 4305 - Directed Individual Study: Current Topics in Respiratory Care Research (1 to 3 Credit Hours)

The study and/or application of basic research principles in a current topic of respiratory care.

Prerequisites: Permission of the instructor. *May be repeated for credit.*

RTHP 4306 - Directed Individual Study: Improvements in Mechanical Ventilation (1 to 3 Credit Hours)

Study and evaluation of new modes and methods of mechanical ventilation to include pulmonary diagnostics using waveform analysis.

Prerequisites: Permission of the instructor. *May be repeated for credit.*

RTHP 4307 - Directed Individual Study: Current Topics in Pediatric Respiratory Care (1 to 3 Credit Hours)

Study of current topics impacting neonatal and/or pediatric respiratory care.

Prerequisites: Permission of the instructor. *May be repeated for credit.*

RTHP 4308 - Techniques of Clinical Instruction (1 to 3 Credit Hours)

Introduction to theory and practice of clinical education in respiratory care.

RTHP 4414 - Hemodynamic Monitoring (1 Credit Hour)

An in-depth course on the various concepts and principles of hemodynamic monitoring for respiratory care. The course includes a study of the basic principles of normal cardiovascular function, pathophysiology, and techniques for monitoring cardiovascular function.

RTHP 4415 - Hemodynamics (2 Credit Hours)

An in-depth course on the various concepts and principles of hemodynamic monitoring for respiratory care. The course includes a study of the basic principles of normal cardiovascular function, pathophysiology, and techniques for monitoring cardiovascular function.

RTHP 4422 - Clinical Aspects of Cardiopulmonary Disease for the Respiratory Therapist II (3 Credit Hours)

Successful completion of all previous RTHP courses or admission to the RSRT Completion Program is required. This course covers identification and treatment of problems associated with diseases seen in the critical care setting. Emphasis is placed on evidence-based treatment methodologies and the role of the respiratory care practitioner in the critical care setting.

RTHP 4426 - Clinic II (3 Credit Hours)

Students perform respiratory care procedures in acute care areas or alternate sites with emphasis placed on basic patient care techniques. Prerequisites: Satisfactory completion of all previous RTHP courses or permission of instructor.

RTHP 4501 - Individual Clinical Prac 1 (1 to 3 Credit Hours)

Clinical training in specialty areas of respiratory care such as critical care, pulmonary rehabilitation, or sleep diagnostics. *May be repeated for credit.*

RTHP 4502 - Individual Clinical Prac 2 (1 to 3 Credit Hours)

Clinical training in specialty areas of respiratory care such as critical care, pulmonary rehabilitation, or sleep diagnostics. *May be repeated for credit.*

RTHP 4514 - Advanced Ventilator-Patient Management Techniques (3 Credit Hours)

A continuation of RTHP 4114 emphasizing advanced waveform analysis, and pulmonary function testing procedures.

Prerequisites: Successful completion of previous RTHP courses and concurrent enrollment in RTHP 4517, or permission of the instructor.

RTHP 4517 - Advanced Ventilator-Patient Management Lab (1 Credit Hour)

Laboratory for RTHP 4514 emphasizing advanced waveform analysis, and pulmonary function testing procedures.

Prerequisites: Successful completion of previous RTHP courses and concurrent enrollment in RTHP 4514, or permission of the instructor.

RTHP 4525 - Advanced Clinic I (4 Credit Hours)

Successful completion of all previous RTHP courses is required. Students perform respiratory care procedures in intensive care areas or alternative sites with emphasis placed on patient assessment and advanced patient care techniques.

RTHP 4526 - Advanced Clinic II (3 Credit Hours)

Successful completion of all previous RTHP courses is required. Students continue to refine advanced procedures and previously learned skills in the critical care setting in preparation for going on to externship.

RTHP 4527 - Advanced Clinic III - Externship (11 Credit Hours)

Successful completion of all previous RTHP courses is required. Students will travel to external clinical affiliates where they will receive extensive experience in the practice of respiratory care.

RTHP 4540 - Research in Health Care (3 Credit Hours)

Introduction to the fundamentals of research and basic statistical analyses applied to literature related to the practice of respiratory care. Emphasis is placed on critical review of medical literature and its integration into clinical practice through the use of lectures and student presentations.

Prerequisites: Successful completion of previous RTHP courses or permission of the instructor.

RTHP 4541 - Investigation of a problem (1 Credit Hour)

The student works with individual faculty members to investigate a specific research problem and provides an introduction to the scientific method in action.

Prerequisites: Successful completion of all previous RTHP courses.

RTHP 4542 - Capstone Project (3 Credit Hours)

Students will finish data collection as needed, analyze/discuss the data and disseminate the results through an abstract, poster, and oral presentation of the project.

Prerequisites: Successful completion of all previous RTHP courses.

RTHP 4601 - Professional and Ethical Issues in Respiratory Therapy (3 Credit Hours)

This course will provide an overview of basic ethical principles with an emphasis on the role of the respiratory therapist. The course will address professional issues in the field of respiratory therapy and prepare the student for transitioning to the work force. The role of the respiratory therapist as a leader in the health care arena will be addressed.

RTHP 4701 - Cardiopulmonary Pathophysiology Case Study in Pediatric Asthma (2 Credit Hours)

A case study of clinical signs, symptoms, diagnosis, treatment, and management of pediatric asthma emphasizing the role of the respiratory care professional.

RTHP 4702 - Cardiopulmonary Pathophysiology, CS in Trauma (2 Credit Hours)

A case study of clinical signs, symptoms, diagnosis, treatment and management of trauma emphasizing the role of the respiratory care professional.

RTHP 4703 - Cardiopulmonary Pathophysiology, CS in COPD (2 Credit Hours)

A case study of clinical signs, symptoms, diagnosis, treatment, and management of COPD emphasizing the role of the respiratory care professional.

RTHP 4704 - Cardiopulmonary Pathophysiology, CS in Heart Failure (2 Credit Hours)

A case study of clinical signs, symptoms, diagnosis, treatment, and management of heart failure emphasizing the role of the respiratory care professional.

RTHP 4705 - Cardiopulmonary Pathophysiology, CS in Obstructive Sleep Apnea (2 Credit Hours)

A case study of clinical signs, symptoms, diagnosis, treatment, and management of obstructive sleep

apnea emphasizing the role of the respiratory care professional.

RTHP 4706 - Cardiopulmonary Pathophysiology, Case Study in Burns (2 Credit Hours)

A case study of clinical signs, symptoms, diagnosis, treatment, and management of burns emphasizing the role of the respiratory care professional.

RTHP 4800 - Critical Thinking (1 Credit Hour)

This course is designed to give the student a better understanding and appreciation of techniques associated with critical thinking and problem solving as they relate to respiratory therapy. Emphasis will be placed on problem solving, logical reasoning, identifying and applying the best available evidence to clinical practice.

Prerequisites: Acceptance in on-line AS-to-BS program and successful completion (grade of C or better) of all previous RTHP courses.

RTHP 4801 - Advanced Applied Physiology for Respiratory Therapists (2 Credit Hours)

This course is designed to give the student a better understanding and appreciation of normal cardiopulmonary physiology. Consequently, the student will be able to understand how changes in normal physiology can affect the cardiopulmonary status of patients and allow the student to better modify therapeutic interventions and monitor the patient response to interventions.

Prerequisite(s): Acceptance in the on-line AS-to-BS Completion program and successful completion (grade of C or better) of all previous RTHP courses

RTHP 4802 - Professional Presentations (3 Credit Hours)

Students will develop and present a 45-50 minute seminar on a current topic in respiratory care suitable for presentation to a professional audience.

RTHP 4803 - Management of the Mechanically Ventilated Patient (2 Credit Hours)

A study of intensive respiratory care ventilator-patient management. Course emphasizes ventilator function and patient assessment.

RTHP 4804 - Mechanical Ventilation Waveforms I (2 Credit Hours)

A companion course to RTHP 4803 emphasizing advanced waveform analysis and pulmonary function testing procedures.

RTHP 4805 - Mechanical Ventilation Waveforms II (2 Credit Hours)

A continuation of RTHP 4804 emphasizing advanced waveform analysis and pulmonary function testing procedures.

RTHP 4807 - Newborn Respiratory Care (2 Credit Hours)

Comprehensive study of neonatal respiratory care with the emphasis on fetal development, labor and delivery, patient assessment, resuscitation techniques, cardiopulmonary disease and techniques of conventional and non-conventional mechanical ventilation.

RTHP 4808 - Pediatric Respiratory Care (2 Credit Hours)

Comprehensive study of pediatric respiratory care with the emphasis on patient assessment, resuscitation techniques, cardiopulmonary disease and techniques of conventional and non-conventional mechanical ventilation.

RTHP 4809 - X-ray Interpretation (1 Credit Hour)

An introduction to radiologic imaging techniques with emphasis on routine evaluation of chest

radiographs.

RTHP 4810 - ECG Interpretation (1 Credit Hour)

Basic analysis and evaluation of the ECG emphasizing dysrhythmia identification, patient evaluation, and treatment.

RTHP 4811 - Advanced Concepts in Critical Care (2 Credit Hours)

Students will explore advanced respiratory care procedures and patient assessment techniques with emphasis placed on cardiopulmonary anatomy and physiology.

RTHP 4812 - Advanced Cardiopulmonary Pathophysiology (3 Credit Hours)

Clinical signs, symptoms, diagnosis and management of selected cardiopulmonary diseases emphasizing the role of respiratory care professionals.

UROLOGY (RURO)

RURO 5000 - Urology (27 Credit Hours)

STUDIES ABROAD (SABR)

SABR 2930 - Studies Abroad (1 to 4 Credit Hours)

Lower level study abroad course denoting sophomore level work. Prerequisite: Varies with discipline and subject. *May be repeated for credit.*

SABR 3930 - Studies Abroad (1 to 3 Credit Hours)

Intermediate level study abroad course denoting junior level work. Prerequisite: Varies with discipline and subject. *May be repeated for credit.*

SABR 4930 - Studies Abroad (1 to 12 Credit Hours)

Upper level study abroad course denoting senior level work. Prerequisite: Varies with discipline and subject. *May be repeated for credit.*

SABR 6930 - Study Abroad (1 to 3 Credit Hours)

Graduate level study abroad course. Prerequisite: Varies with discipline and subject *May be repeated for credit.*

STUDY ABROAD SYSTEM (SABS)

SABS 2930 - Study Abroad System (1 to 3 Credit Hours)

May be repeated for credit.

SABS 3930 - Study Abroad System (0 to 3 Credit Hours)

May be repeated for credit.

SABS 4930 - Study Abroad System (1 to 12 Credit Hours)

May be repeated for credit.

ALLIED HEALTH SCIENCE (SAHS)

SAHS 6532 - Research Investigation (2 Credit Hours)

Prerequisites: Graduate admission to the MHS in OT degree program; permission of Chair or instructor
Successful completion of fourth semester coursework.

SAHS 7533 - Research Thesis (3 Credit Hours)

Completion of research assignment and presentation of results to professionals and peers. Publication guidelines are examined.

SAHS 7541 - Data/Outcome Analysis (1 Credit Hour)

Methods and resources to analyze and interpret data are included. Implications of results are identified and prepared.

SENIOR COMPREHENSIVE CASE PORTFOLIO (SCCP)

SCCP 5601 - Senior Comprehensive Case Portfolio Series (1 Credit Hour)

Senior students will present comprehensive care patients they have completed.

SECONDARY EDUCATION (SCED)

SCED 3102 - Secondary School Context and Curriculum (3 Credit Hours)

Using language bases derived from educational research, from state, national, and local curriculum standards, and from secondary school effective practices, students will examine the secondary school curriculum in terms of the connections that exist among the subject area disciplines and in terms of the strategies that secondary school teachers and learners use (including models of teaching, critical thinking techniques, and approaches to content area reading). Students will examine the secondary school in its historical and political context as well as in relation to pertinent philosophical issues. Students will examine multiple models of classroom management and their relationship to the learning environment of the classroom.

SCED 3201 - Secondary Social Studies Content Pedagogy I (3 Credit Hours)

Students will examine the implications of the structural features of social sciences and history for developing curriculum, instruction, and assessment for secondary social studies and history. They will critically consider national and state content standards in light of their knowledge of the disciplines and secondary students.

SCED 3401 - Secondary Science Education Methods (3 Credit Hours)

The focus of the course is on integrating science concepts, disciplinary core ideas, and inquiry processes into the teaching of science in high school. Emphasis will be placed on the process-oriented inquiry method of teaching science, designing and planning instruction, and implementing and evaluating student learning in science. Prospective teachers are expected to integrate knowledge of science, learning, and pedagogy and apply that knowledge to science teaching. Course content and presentation is guided by the Science Georgia Standards of Excellence (SGES), the Next Generation Science Standards (NGSS), and NSTA's Preservice Science Standards (PSS). Credit Hours: 3

SCED 4101 - The Secondary School Student (3 Credit Hours)

Using knowledge bases derived from educational research and learning theory relevant to adolescents, students will study the characteristics of secondary school learners and the principles of educational psychology that inform our understanding of these learners. The course will examine that population in terms of multiculturalism and special needs; it will explore the implications of these learner characteristics

for curriculum, instruction, and assessment.

SCED 4102 - Secondary School Context and Curriculum (3 Credit Hours)

Using language bases derived from educational research, from state, national, and local curriculum standards, and from secondary school effective practices, students will examine the secondary school curriculum in terms of the connections that exist among the subject area disciplines and in terms of the strategies that secondary school teachers and learners use (including models of teaching, critical thinking techniques, and approaches to content area reading). Students will examine the secondary school in its historical and political context as well as in relation to pertinent philosophical issues. Students will examine multiple models of classroom management and their relationship to the learning environment of the classroom.

SCED 4201 - Secondary Social Studies Content Pedagogy I (3 Credit Hours)

Students will examine the implications of the structural features of social sciences and history for developing curriculum, instruction, and assessment for secondary social studies and history. They will critically consider national and state content standards in light of their knowledge of the disciplines and secondary students.

SCED 4301 - Secondary Mathematics Pedagogy I (3 Credit Hours)

The focus will be on skills in problem-solving, measurement, computation, hypothesis posing and hypothesis testing, and on algebraic and geometric analyses. Teaching and learning strategies will be examined in light of effective school practices and in light of national, regional, and local curriculum standards.

SCED 4401 - Science Pedagogy I (3 Credit Hours)

Students will examine varied approaches to instruction of secondary science curriculum including: inquiry, field and laboratory based learning, concept attainment and formation, hypothesis testing, discovery and simulation. Students will develop instructional planning skills.

SCED 4501 - Secondary English Pedagogy I (3 Credit Hours)

Through this course students will demonstrate the abilities to analyze and apply models of instructional approaches, and learning assessment in the areas of literature, reading skills, writing skills, and language development. Students will develop skills necessary to plan instructional units and lessons that accommodate diverse learners.

SCED 4901 - Secondary Culminating Residency (11 Credit Hours)

Students are placed with selected master teachers for an entire semester during which time they are teaching in the curriculum areas for which they are seeking certification. During the semester, the apprentice teacher, under the supervision of the master teacher, assumes the responsibilities of professional teaching practice. Students reflect on and synthesize the conceptual and theoretical constructs of pedagogy with the complexity of practice. Successful completion of teacher education coursework and all requirements for the subject area major are required prior to Culminating Residency.

Prerequisite(s): EDTD 3200 >=B and SCED 3102 >=B and SPED 3002 >=B

Corequisite(s): EDTD 4940

Additional Course Fee: Student Teaching Fee - \$200 Flat Fee

SECURITY STUDIES (SECR)

SECR 6168 - Cross-Cultural Security and Psychology (3 Credit Hours)

Theoretical foundations and practical skills for a set of core psychological principles and practices which relate to cyber. The course material will focus on three areas of psychological sciences that relate to cyber. First, the course material examines our capabilities to profile cyber criminals and/or cyberterrorists. While traditional profiling techniques are of value, new techniques are surveyed to appraise our profiling capabilities within the cyber domain. Second, the course material reviews the effects of culture on

cognition and behavior. In addition, the course material reviews our current state of knowledge regarding psychological factors associated with the development of extremist beliefs and group membership. The course focuses on the individuals behind the computer, related to cybercrime, cyberterrorists and cyber professionals working for the nation-state. It is well-suited in the sub-field of intelligence and security studies known as political psychology.

SECR 6351 - Homeland Security (3 Credit Hours)

Introduces students to the essential ideas in the emerging discipline of homeland security. Includes basic instruction on the strategy-making process, fear management, crisis communication, conventional and unconventional threats, civil liberties and security, the role of technology, and intelligence and information collection.

SECR 6411 - Introduction to Intelligence Studies (3 Credit Hours)

This course introduces students to a broad overview of the U.S. Intelligence Community (USIC), to include its purpose, development, organization and role in meeting the objectives of U.S. national security. Students will be introduced to the five major disciplines of intelligence (human, signals, geospatial, measurement and signature, and open source), as well as the roles of policy makers and Congress in directing and overseeing the USIC.

SECR 6412 - Intelligence Collection (3 Credit Hours)

This course gives students an in-depth understanding of the five disciplines of intelligence collection: Open-source (OSINT), Signals (SIGINT), Human (HMINT), Geospatial (GEOINT), and Measurement and Signature (MASINT). Students will also gain a broad understanding of how these intelligence disciplines have been used in past intelligence operations, as well as how they support the executive branch of the U.S. government in formulating and directing national security policy.

Prerequisite(s): SECR6411 >= C

SECR 6413 - Open Source Intelligence (3 Credit Hours)

An introduction to Open Source Intelligence (OSINT), to include its historical development, applications for the U.S. intelligence community and private sector, and underlying techniques, methods, and tools. The course covers several historical and contemporary examples of how the United States, its strategic competitors, and non-state actors use OSINT in global competition and conflict, information warfare, social influence and persuasion, and criminal investigations. Students acquire the foundational policy and practical knowledge on which to build expertise in OSINT production, as well as the skills to analyze and communicate OSINT's application to a variety of national security challenges and private-sector trends.

SECR 6414 - Public Health and Medical Intelligence: Security and Civilian Principles and Applications (3 Credit Hours)

Students will examine the different historical and current definitions of public health and medical intelligence. They will also become acquainted with different theories and principles, and they will also understand the proper use and role of both security and public health/epidemiological applications. Case studies will review military and civilian examples and utilization in guiding strategic and operational decisions. The course is designed to illustrate the role intelligence collection plays within public health and international security.

SECR 6415 - Intelligence Analysis (3 Credit Hours)

This 3-hour course introduces students to the tradecraft of intelligence analysis, including the basics of critical thinking, recognizing and avoiding cognitive biases, and using structured analytic techniques, such as analysis of competing hypotheses. Students will also gain experience writing analytical products that highlight specific threats to national security operations, including political-military, terrorism, medical, criminal, and counterintelligence. Additionally, students will gain knowledge of the role analysis has played in prior intelligence failures.

Prerequisite(s): SECR6411 >= C

SECR 6600 - Research Design and Writing for Intelligence and Security Studies (3 Credit Hours)

Introduces students to the basic writing style and technical writing format used in intelligence and security studies. This includes the scientific principles of research design, collecting and analyzing intelligence and security-related literature, and producing appropriate analytic reports. Topics include but are not limited to: the foundational elements of research design (e.g., developing a research question, theory, hypothesis testing, data collection, data analysis and discussion), how to conduct research properly, types of qualitative and quantitative research, and how to approach writing a thesis/capstone project.

SECR 6601 - Data Analytics for Intelligence Analysis (3 Credit Hours)

Introduces methods for analyzing and visualizing data to answer questions of intelligence studies. Topics include: essential notions of probability theory and statistics, followed by techniques in modern data analysis: ordinary least squares regression, maximum likelihood estimation, multi-level modeling, and data visualization. Also discussed is how to deal with different types of variables and data generating process. These concepts are illustrated with applications drawn from frontier research. Finally, instruction is provided on the use of R language and opportunities for students to perform hands-on, self-directed empirical analysis.

SECR 6602 - Introduction to Machine Learning for Intelligence Analysis (3 Credit Hours)

Introduces various machine learning models, gives an overview of many concepts, techniques, and algorithms, as well as demonstrates how these models can be applied to social science research and particularly intelligence studies. Basic concepts of machine learning including classification, regression, overfitting, boosting, clustering, and more are discussed. Supervised learning algorithms that are commonly used in academia and industries such as decision trees, random forest, K-nearest neighbor, support vector machines, and neural networks are further investigated. A few unsupervised learning algorithms, including the K-means clustering algorithm and dimensionality-reduction algorithms are introduced. Finally, instructions are provided on the use of Python language and opportunities for students to perform hands-on, self-directed machine learning projects.

SECR 6603 - Intro to Intelligence: Theory and Practice (3 Credit Hours)

Introduction to the theory and practice of intelligence. Students are introduced to the history of U.S. intelligence, the five collection disciplines, analytic methods and problems of analytical bias, ethical issues in intelligence, as well as an overview of foreign intelligence entities (FIEs). Case studies are heavily relied upon, especially regarding the use of analytic methods and the challenges of intelligence collection, as well as the operations of both U.S. and foreign intelligence agencies. Additionally, given this is a course focusing on the "practice" of intelligence, students are asked to produce several intelligence assessments in memorandum format, as well as an in-depth research paper on a relevant topic related to the U.S. Intelligence Community.

SECR 6604 - Intelligence Analysis: Theory and Practice (3 Credit Hours)

Introduces students to the theory and practice of intelligence analysis. During this course, students rely heavily on analytical case studies to highlight the various structured analytic techniques used by most intelligence analysts to identify biases, challenge assumptions, develop alternative explanations, and learn to examine evidentiary evidence more closely. Also examined are the ways in which common cognitive biases can skew analysis and focus on ways analysts can overcome them. Students also learn the various types of information available to intelligence analysts, as well as the best strategies to build an analytical assessment/argument. Additionally, given this is a course focusing on the "practice" of intelligence analysis, students are asked to produce several intelligence assessments in memorandum format, as well as an in-depth research paper on an intelligence-related topic.

SECR 6605 - Intelligence Collection: Theory and Practice (3 Credit Hours)

An introduction to a broad overview of the five disciplines of intelligence collection. Students gain an understanding of the history, development, and policy considerations of open-source intelligence

(OSINT), human intelligence (HUMINT), signals intelligence (SIGINT), measurement and signature intelligence (MASINT), and geospatial intelligence (GEOINT). Students also become familiar with the various types of platforms, imaging systems, and sensors used in intelligence collection operations. Moreover, the course uses case studies based on previously released classified information to assist students in thinking about how to plan for collection operations in complex environments. Finally, students are introduced to ideas regarding the ongoing development of surveillance technologies and how they may be utilized to gather intelligence information in the future.

SECR 6606 - Counterintelligence: Theory and Practice (3 Credit Hours)

Introduction to the theory and practice of Counterintelligence. Students become familiar with the major tenets of both offensive and defensive counterintelligence operations, as well as an overview of CI operational planning. Case studies are heavily relied upon to highlight the successes and failures of past CI operations, most of which were derived from released classified material. Additionally, given this is a course focusing on the "practice" of intelligence, students are asked to produce several counterintelligence assessments in memorandum format, as well as prepare an in-depth research paper on a given topic associated with a past CI operation. Finally, students become familiar with the most common ethical dilemmas associated with the conduct of both offensive and defensive CI operations.

SECR 6607 - Open-Source Intelligence: Theory and Practice (3 Credit Hours)

Introduction the theory and practice of Open-Source Intelligence (OSINT). Students learn many key terms and the historical role OSINT has played in the Intelligence Community and how it has evolved into one of the most important disciplines of intelligence collection. The course highlights the various types of openly available information that form the basis of OSINT, and examples of how this data/information have been used in prior intelligence operations. Also covered are the major advantages and disadvantages of OSINT, as well as the need to understand the inherent biases associated with it. Moreover, students are introduced to the concept of "circular reporting" and how to recognize it in OSINT. Finally, students are taught the likely trajectory of future OSINT capabilities and the implications their development may have on privacy rights.

SECR 6611 - Social Media Network Analysis (3 Credit Hours)

An introduction to the theory and methods employed in social network analysis with a focus on the application on social media. Starting from basic concepts and components of network analysis, and moving to more complex network models, with examples provided from frontier research in the field of political science, international relations, and security studies. Topics include: network theory, data collection from social media, describing, measuring, and visualizing networks, nodes and edges, graph-level indices, exponential random graph models, network regression, network autocorrelation models, temporal models of social networks, and more. Both descriptive and inferential approaches are covered with an emphasis on the use of network methods for theory testing and social media analysis. Also introduced is the R statistical computing system for network analysis and Rstudio, with opportunities to carry out hands-on, self-directed data manipulation and network analysis within the R environment.

SECR 6612 - Social Media Text Analysis (3 Credit Hours)

Introduces various text analysis concepts and methods for social media studies. This field includes a collection of research from the natural language processing, data mining, and machine learning communities. Topics include: various social media data collection methods such as the use of API and web scraping, data manipulation, text data preprocessing, text analysis algorithms, text classification, clustering, topic modeling, sentimental analysis, and text visualization. Also examined are various methods and tools for handling text data in different languages. Further, frontier research on social media studies for students to better understand the application of text analysis is explored. Lastly, instructions on the use of Python language and opportunities for students to perform hands-on, self-directed text analysis projects are provided.

SECR 6650 - National Security and Public Policy (3 Credit Hours)

US national security is pursued within the bounds of a public policy process. This 3-hour course introduces students to the theory and practice of public policy and its application to US national security

policy and management. First, the course will examine theories of public policy, including their intellectual development over time, as well as models of the current policy process. Second, the course will examine national security management by looking at the roles of pertinent institutions from the president, military establishment, and intelligence agencies to Congress and the courts. Finally, the course will examine national security decision-making theories and review significant legislation such as the National Security Act of 1947, War Powers Resolution of 1973, and USA Patriot Act of 2001.

SECR 6809 - Ethnic Conflict and Political Violence (3 Credit Hours)

This course focuses on the causes, prevention and consequences of conflict and political violence based on identity, nationalism, and ethnicity. It also covers civil wars and terrorism as they relate to these issues, with particular focus placed upon ethno-religious identity. Importance is also placed on how ethnic conflict affects US policy and US intervention. Areas of focus may include Afghanistan, Bosnia, Burma/Myanmar, Chechnya, Darfur, Israel, Iran, Iraq, Kosovo, Northern Ireland, Rwanda, and Syria.

SECR 6810 - The Politics of Islam and International Security (3 Credit Hours)

This 3-hour course introduces students to the role of Islam in international politics and security. First, the course will introduce students to the basic belief structure in Islam. Second, the course will focus on the history and expansion of the Islamic empires. The third part of the course will consider the impact that Western colonialism had on the development of modern states in the Muslim world paying particular focus on areas of historic and continuing security concerns. Finally, the course will explore Islam's connections to concepts like terrorism, and democracy, through the lens of international Muslims' public opinion.

SECR 6813 - Environmental Issues in International Security (3 Credit Hours)

This 3-hour course introduces students to the study of how environmental factors can affect domestic and international security. The first part of the course will focus on how natural resource competition and resource availability (e.g., water, energy) can affect conflict and security. The second part of the course will examine how natural disasters (e.g., floods, droughts, and hurricanes) can affect security. The third part of the course will analyze how climate change can impact migration patterns due to natural disasters, environmental changes, and subsequent domestic and international security. The last part of the course will examine the strategies to provide for stability and security, internationally and domestically, based on the challenges presented by environmental factors.

SECR 6814 - Space and International Security (3 Credit Hours)

This 3-hour course introduces students to the study of how the militarization of space and space-related policies affect security. The first part of the course will focus on how the militarization of space affects security in general terms. The second part of the course will investigate the "Space Race" from a historical perspective and will consider its implications for security studies. The third part of the course will examine the strategies/actions each of the major power states (United States, China, and Russia) are taking in space. The fourth part of the course will analyze the actions developed/non-major power states and developing states are taking in space. The final part of the course will examine the implications of the current space race on international and domestic security and will consider future scenarios regarding space and security.

SECR 6815 - Weapons of Mass Destruction and International Security (3 Credit Hours)

This 3-hour course introduces students to the topic of Weapons of Mass Destruction (WMDs). The course will focus on multiple aspects of WMDs within the field of security studies. First, the course will examine the different definitions of WMDs. Second, the course will focus on the various types of WMDs, and the production processes related to their development (i.e., how nation-states attempt to develop WMDs). The third part of the course will consider various strategies regarding limiting the proliferation of WMDs – especially as it pertains to rogue states, the implications WMD development has for international/national security, and strategies to defend against WMD threats.

SECR 6906 - Terrorism Studies (3 Credit Hours)

This course is designed to help students understand the phenomenon of international terrorism. The course is designed to introduce students to different perspectives on terrorism and the readings will give students a conceptual framework to systematically analyze terrorism while encouraging them to sharpen their analytical skills through exploration of case studies.

SECR 6910 - International Relations Theory (3 Credit Hours)

This 3-hour course introduces students to the most important theoretical approaches to the study of international relations (IR), providing a gateway to subfields intelligence and security studies. The first part of the course focuses on the history of the discipline. Secondly, the course investigates the mainstream IR theoretical approaches including, realism, institutionalism, world-systems, and constructivism. Thirdly, this course turns to the critical approaches including, but not limited to, post-modernism, feminism, other critical theories. This course concludes with the prospect for dialogue and synthesis among the diverging theories, and, into the relevance of theory to policy and military operations. This course serves as the foundational course for more advanced course-work along with Introduction to Security Studies. The purposes of this course are fully theoretical, and do not delve into case-illustrations or specific nation-state studies.

SECR 6911 - Introduction to Security Studies (3 Credit Hours)

This is the introductory course for the MA in Intelligence and Security Studies (MAISS). It familiarizes students with basic approaches to security studies, emerging trends in security studies, current global threats to US national security, and policy responses to such threats. It examines security from both the macro and micro levels, covering systemic security theories as well as focusing on emerging threats to US security, non-traditional threats, and an introduction to US security strategy.

SECR 6912 - Counterterrorism Studies (3 Credit Hours)

This course examines macro and micro level approaches to combating domestic and international terrorism. It analyzes the various challenges nations encounter as they attempt to combat terrorism. It examines counterterrorism through a broad multi-regional approach as well as through unique case study analyses. Specific topics may include, but are not limited to: deterrence, military and law enforcement responses to terrorist attacks, homeland security, counterinsurgency tactics, and media relations.

SECR 6913 - Critical Security Studies (3 Credit Hours)

Examines new theoretical approaches to security studies and emerging trends, focusing specifically on post-modern ideas of security and the role of human rights and human security. Topics include: gender and security, environmental security, and health and security. Also focuses on U.S. policy implications from a critical security studies perspective.

SECR 6914 - Future Wars (3 Credit Hours)

This course is designed to introduce students to emerging trends in conflict within the field of security studies. The course will focus on potential future conflicts as a result of geopolitics and shifting power dynamics internationally. The course will also examine past, current, and future trends pertaining to conflict and violence more generally. Lastly, the course will analyze the role artificial intelligence, cybertechnology, environmental factors, and the militarization of space will play in influencing conflict in the near and distant future. The overall aim of the course is to provide students with a better understanding of the factors that will shape of security studies in the coming decades.

SECR 6915 - The Economics of International Security (3 Credit Hours)

Security and economics still exist to a substantial degree as separate worlds in both academia and government. Yet more and more scholars and practitioners have come to realize that economic constraints and opportunities greatly affect the pursuit of security objectives and the kinds of policies that states implement to cope with security challenges in a deeply interconnected world. This course analyzes the economic underpinnings of military power and international security. It also examines the economic aspects of non-traditional (which tend to be transnational) security threats whose spread and impact have

been amplified by the process of globalization. In essence, this course takes issue with the outdated distinction between "high politics" (security affairs) and "low politics" (economics) and explores ways to foster engagement and bridge the gap between security studies and international political economy.

SECR 6916 - The Causes and Prevention of War (3 Credit Hours)

This course familiarizes students with theoretical approaches to understanding what causes war. It also examines American Grand Strategy and policy. It highlights the differences between the cold-war era international security conditions for war and the pre-and post-9/11 conditions. This course focuses on the meta- or grand theories of war. It offers case studies of US wars, including the War on Terror, focusing specifically on Iraq and Afghanistan. It also introduces students to theories of conflict prevention and conflict maintenance.

Prerequisite(s): SECR6911 >= C

SECR 6917 - Democracy and Conflict (3 Credit Hours)

This course is designed to introduce students to the study of regime type and conflict. The course will focus on the democratization process and how different types of government (i.e., democratic, authoritarian, and mixed regime) influence conflict. The first half of the course will focus on factors that affect democratic transitions and democratic consolidations within states. The second half of the course will focus on how regime type influences various forms of conflict including: interstate conflict, intrastate conflict, and terrorism. By the end of the course students will have a better understanding of the factors that influence the democratization process as well as how regime type affects conflict.

SECR 6918 - Stability and Peacekeeping Operations (3 Credit Hours)

This 3-hour course provides a broad overview of humanitarian relief, peace keeping, and other types of regional "interventions" generally referred to as "stability operations". Stability operations are designed to prevent, contain, and/or resolve regional conflicts. As such, this course examines the concepts of nation building, stabilization, reconstruction, and transition across the spectrum of peace operations. It also analyzes the role of various actors, to include governmental and non-governmental organizations, inter-governmental organizations, and private military companies, and how they interact in the stabilization mission and environment.

SECR 6919 - The Psychology of Terrorism (3 Credit Hours)

This course is designed to introduce students to the study of the psychology of terrorism. The course will focus on the underlying psychological/sociological/political factors that influence terrorism. The course will examine both the micro and macro level psychological/sociological/political factors that influence terrorist activity carried out by individuals and groups. Specific questions the course will address are: what factors and/or circumstances influence terrorist activity; what macro level factors (i.e., societal, economic, political) affect terrorism; what actions and/or policies can be constructed to help mitigate terrorist activity from a political/sociological/psychological perspective? The overall aim of the course is to better understand the myriad of psychological/sociological/political factors that contribute to terrorist activity.

SECR 6920 - Weaponizing Information: The History and Theory of Propaganda (3 Credit Hours)

Examines the different historical and current definitions of propaganda. Students become acquainted with different theories of persuasion that underpin the work of propagandists, and they also understand the proper use and role of propaganda in a free society as well as the legal regulation of speech/actions that could be classified as propaganda. Additionally, students understand the roles of communication professionals who create propaganda and those who expose it. Cases will focus on information campaigns against the United States; how the U.S. has used propaganda against its strategic adversaries; and how propaganda and information campaigns have been updated and implemented within the social media battlespace.

SECR 6950 - Selected Topics in Intelligence and Security Studies (3 Credit Hours)

This is the SELECTED TOPICS CLASS for the MA in Intelligence and Security Studies (MAISS). Subject and course content will vary. *May be repeated for credit.*

SECR 6980 - Introduction to Cyber Intelligence and Cybersecurity Policy (3 Credit Hours)

Introduction to the fascinating world of strategic cybersecurity and covers topics as diverse as cyber war, hacktivism, big data, cyber-crime, and threats to critical infrastructure. Also explores common vulnerabilities of the internet, as well as the legal and ethical concerns relating to issues of privacy and government surveillance of the internet.

SECR 6981 - Cyber Conflict: History and Theory of Cyber War (3 Credit Hours)

This course introduces students to some of the major cyber conflicts and attacks that have transpired since the dawn of the "internet age," to include a discussion of the geo-political developments leading up to each. We will also discuss various theoretical problems with defining "cyber warfare" and how various strategic theorists approach the topic. Finally, we will discuss the possible future developmental trajectories of cyber capabilities as they relate to the conduct of warfare, as well as an overview of the problems with cyber deterrence.

SECR 6982 - Information Warfare (3 Credit Hours)

This 3-hour course is a broad overview of information warfare. The course will cover the historical evolution of information warfare and highlight several historical and contemporary examples of information operations in conflict. The course will also highlight several foundational topics relevant to the study of information warfare, to include: social influence and persuasion, propaganda, and the information approaches used by our strategic adversaries

SECR 6983 - Hybrid Warfare (3 Credit Hours)

This 3-hour course introduces students to the topic of hybrid warfare. The course will focus on multiple aspects of hybrid warfare. The first part of the course will focus on defining and conceptualizing hybrid warfare. The second part of the course will focus on offensive and defensive cyber operations. The third part of the course will focus on offensive and defensive kinetic operations. The fourth part of the course will examine real-world and theoretical examples of hybrid warfare. The last part of the course will focus on the security implications of hybrid warfare and how to provide appropriate defenses given the nature of hybrid warfare.

SECR 6997 - Capstone (0 to 6 Credit Hours)

This course allows students to complete a director-approved major project or culminating experience in which they reflect on and apply their previous studies to advance their understanding of intelligence or security studies. *May be repeated for credit up to 1 time.*

SECR 6998 - Thesis I (3 Credit Hours)

This course is required for MAISS students who elect to complete a thesis. It provides students an opportunity to work with a mentor to develop an original project through research and to assemble those findings in a prospectus that demonstrates the project's merit for fuller exploration.

This course requires individual effort that is overseen by the course instructor, your research mentor. Weekly or bi-weekly meetings, either in person or online, will be held to discuss progress and review submitted documents. Once the preliminary research and analysis are completed, the prospectus will be written iteratively until it is ready to be submitted for a defense. Successful completion of this course requires successful completion of the defense. *May be repeated for credit up to 1 time.*

SECR 6999 - Thesis II (3 Credit Hours)

This course is required for MAISS students who elect to complete a thesis. It provides students an opportunity to conduct research to develop an approved prospectus into a substantive paper that demonstrates insightful analysis of existing or original data in order to advance the current understanding

of an intelligence or security studies issue. This course requires individual effort that is overseen by the course instructor, your research mentor. Weekly or bi-weekly meetings, either in person or online, will be held to discuss progress and review submitted documents. Once the research and necessary analysis and results compilation are completed, individual thesis sections will be written and revised iteratively until we both agree that the document is ready for submission to the thesis committee. If the committee agrees, then a defense of the thesis will be held. Upon successful completion of the defense, the manuscript will be revised a final time and once approved, officially submitted for final processing. *May be repeated for credit up to 1 time.*

Prerequisite(s): SECR6998 >= S

SECR 7000 - Directed Readings in Intelligence and Security Studies (0 to 6 Credit Hours)

This is the DIRECTED READINGS COURSE for the MA in Intelligence and Security Studies (MAISS). It is meant as an independent study course or research course for students. *May be repeated for credit up to 6 times.*

SECR 7101 - U.S. Grand Strategy and Foreign Policy (3 Credit Hours)

Examines the U.S.'s overall grand strategy and foreign policy within the context of international relations and security studies. The first part of the course focuses on defining grand strategy and foreign policy. The second part of the course considers how states develop their grand strategies and foreign policies. The third part of the course analyzes the U.S.'s grand strategy and foreign policy and how they have evolved over time. The fourth part of the course focuses on the historical, political, economic, and social factors that have shaped the U.S.'s grand strategy and foreign policy. The last part of the course considers the national and international security implications of the U.S.'s grand strategy and foreign policy.

SECR 7102 - Homeland Defense and Security (3 Credit Hours)

Examines the foundational elements of homeland defense and security. The first part of the course focuses on defining homeland defense. The second part of the course examines the government bureaucracy involved in providing for homeland defense. Here, the course analyzes how the U.S. system of federalism affects homeland defense. In addition, this section examines the nature and functions of different state, local, and federal agencies as it relates to homeland defense. The next part of the course analyzes specific threats (foreign and domestic) to homeland defense. Lastly, the course examines strategies to protect against threats to homeland defense.

SECR 7103 - International Terrorism (3 Credit Hours)

An overview of why some political movements decide to use terrorism as a strategy. It covers the causes, the conduct, as well as the consequences of terrorism in different parts of the world. In the process, the course addresses the theories used to study terrorism as well as the measures used to counter terrorism. The objective of the course is for students to acquire the tools and techniques needed to engage in a critical analysis of the conflicts which seed terrorism.

SECR 7104 - Domestic Terrorism (3 Credit Hours)

Examines the factors associated with domestic terrorism and strategies to counter domestic terrorism. The first part of the course focuses on defining domestic terrorism. The second part of the course analyzes the political, economic, social, and technological factors associated with domestic terrorism. The third part of the course focuses on strategies to combat domestic terrorism.

SECR 7105 - Advanced Counterterrorism Strategies (3 Credit Hours)

Examines strategies to counter domestic and transnational terrorism. The first part of the course focuses on defining terrorism and counterterrorism. The second part of the course examines the different types of terrorism and motivating factors for terrorist attacks. The third part of the course analyzes the strategies to counter the different types of terrorism. Finally, this course applies counterterrorism strategies to the United States' national security to see what strategies work best in different contexts and scenarios.

SECR 7106 - International Conflict and Security (3 Credit Hours)

Analyzes the main theories that are used to explain the causes of international conflict. The course focuses on the classical manuscripts in the literature, and then demonstrates how the field has developed. Specifically, this course focuses on realism, with some emphasis on liberalism and constructivism. Additionally, students learn some game-theoretic models of warfare and get exposure to the most explanatory concepts for international conflict, including offense-defense balance, the security dilemma, deterrence, first-strike advantage, and windows of opportunity and vulnerability, arms control, and deterrence. Students are also introduced to how intelligence techniques work during international conflict, as well as an overview of the information and cyber domains. Finally, students are expected to integrate these theories into U.S. national security policy and doctrine.

SECR 7107 - Nationalism and Ethnic Conflict (3 Credit Hours)

Introduction to the role played by nationalism and ethnic identity in international security. The course examines theories, analyzes case studies, and provides an overview of why these two forces are at the heart of some of the most intractable conflicts in the world. The course also examines the consequences of nationalist ideology and ethnic violence on states and the measures used by governments to offset the threat. The objective of the course is for students to acquire the tools and techniques needed to engage in a critical analysis of nationalism and ethnic identity in order to understand the part they play in generating conflict on the global stage.

SECR 7108 - Technology, Artificial Intelligence, and International Security (3 Credit Hours)

Examines how evolving technologies, including artificial intelligence, affect domestic and international security. The first part of the course focuses on defining and conceptualizing evolving technologies and artificial intelligence. The second part of the course analyzes how evolving technologies and artificial intelligence can affect domestic stability and security. The third part of the course examines how evolving technologies and artificial intelligence are being incorporated in the areas of defense and information warfare. The fourth part of the course focuses on how evolving technology and artificial intelligence affect the international balance of power between states and global security. The last part of the course considers future directions regarding the effects evolving technology and artificial intelligence can have on stability, international competition, and domestic and global security.

SECR 7200 - U.S. Intelligence Theory and Practice (3 Credit Hours)

Examines the U.S. Intelligence Community and its role in national security. It analyzes the intelligence cycle and critiques to the U.S. cycle. Students are introduced to intelligence theory and practice overall, and how the U.S. utilizes intelligence within its national security apparatus. Furthermore, there is comparative analysis with other nation-state intelligence systems. It also compares the organization and activities of foreign intelligence agencies with the U.S. model. The course provides students with an overview of the United States Intelligence Community (IC), its significant role within the U.S. government, and how intelligence informs and shapes U.S. policy. Students are also expected to understand the role of the analyst in the policy-making process. Importantly, students are exposed to intelligence theory within the academic literature.

SECR 7150 - Current Topics in Security Studies (3 Credit Hours)

This is a special topic subject for the PhD program where a professor may teach a specific, time-sensitive subject for a course that is not regularly offered or on record. The subject, topics, and readings differ depending on the professor, issue, and semester taught. An example would be: The 2025 Gaza-Israeli War. *May be repeated for credit one time for a maximum of 6 credit hours.*

SECR 7201 - Intelligence Analysis (3 Credit Hours)

This course in advanced intelligence analysis is designed to deepen students' understanding and application of advanced intelligence analysis techniques. Utilizing structured analytic techniques, this course guides students through the complex landscape of intelligence analysis, blending theoretical

knowledge with practical case studies. The course begins with an exploration of the foundational concepts of intelligence analysis, including its history, purpose, and the role it plays in national security and decision-making processes. Students then delve into a variety of structured analytical techniques, learning how to apply these methods to enhance the accuracy and reliability of their analyses.

SECR 7202 - Advanced Intelligence Analysis (3 Credit Hours)

This is the second course in intelligence analysis designed to deepen students' understanding and application of advanced intelligence analysis techniques. Utilizing structured analytic techniques, this course deepens students' knowledge and understanding of intelligence analysis, blending theoretical knowledge with practical case studies. The course teaches and utilizes more advanced structured analytic techniques (SATs), and the student is expected to demonstrate mastery over SATs by the end. The course deepens students' expertise in intelligence analysis, emphasizing strategic applications and critical thinking. It continues to explore complex intelligence challenges, focusing on sophisticated analytical techniques, strategic-level analysis, and foresight. Students engage in scenario planning and learn to anticipate future threats and opportunities. Through rigorous case studies and collaborative projects, the course hones their skills in independent thinking, problem solving, and decision making, preparing them for senior roles in intelligence, policy analysis, and national security.

Prerequisite(s): SECR 7201

SECR 7203 - Advanced Intelligence - Theory and Policy (3 Credit Hours)

An advanced research-based exploration of the theory and policy associated with the development of the U.S. Intelligence Community, intelligence collection, operations, intelligence analysis, and other important policy considerations within the context of global security challenges. Students engage with complex case studies, current methodologies in intelligence analysis, and the evolving landscape of intelligence operations in the digital era. The course also examines ethical considerations, legal frameworks, and the role of intelligence in democratic societies. Through a blend of lectures and online exercises, students gain comprehensive insights into the higher-level functioning of intelligence agencies and their role in national and international security.

SECR 7205 - Social Media Intelligence (3 Credit Hours)

The course explains the role social media intelligence (SOCMINT) plays within the Intelligence Community. It is not a technical course, though there will be some introductory materials towards technical intelligence collection. It is meant to explore how SOCMINT is used as a part of open-source intelligence collection. The course also examines the role SOCMINT plays within the different intelligence components of the United States Intelligence Community (USIC). The influx of technology, especially artificial intelligence, is also explained in relationship to social media analysis. Finally, privacy concerns, ethnics, norms, and national laws are explored in relation to SOCMINT.

SECR 7206 - Counterintelligence: Theory and Practice (3 Credit Hours)

This course delves into the intricate world of counterintelligence, offering a balanced mix of theoretical foundations and practical applications. Designed for advanced students who are keen on exploring the depths of counterintelligence strategies and operations, this course is a journey through the multifaceted challenges and ethical considerations inherent in the field. Some of the topics to be explored include the fundamentals and challenges of counterintelligence, counterintelligence theory and planning, and offensive and defensive counterintelligence operations.

SECR 7208 - Strategic Intelligence (3 Credit Hours)

This course explores the importance of strategic intelligence, offering students an in-depth understanding of its principles, methodologies, and real-world applications. Aimed at those interested in the fields of intelligence and national security, global policy, and international affairs, the course explores the crucial role of strategic intelligence in gaining decision advantage and shaping government policies (e.g., economic, military, foreign policy) on a global scale. A significant focus is on the pivotal role of strategic intelligence in strategic decision making, emphasizing how it guides leaders in navigating complex geopolitical landscapes and making critical decisions with long-term implications.

SECR 7300 - Theories of Cyberwar (3 Credit Hours)

Explains the different theories about cyberwar, including the debate on whether such a concept should even exist. Thus, the first part of this course discusses in detail the conceptualization of cyberwar. The course then pursues several schools of thought on the causes and consequences of cyberwar, including the cybersecurity dilemma, the cyber offense-defense balance, and democratic peace theory and cyberconflict, and cyber-deterrence. Additionally, students are exposed how theory differs from practice in the cyber domain. In other words, how does military doctrine differentiate theories of cyberwar from academic disciplines? Throughout the course, students are also exposed to technical papers, cyberwar through information operations, as well as cyber intelligence and policy.

SECR 7301 - U.S. Cyber Strategy and Policy (3 Credit Hours)

This course is the primary policy course for strategic cybersecurity studies. It is designed to analyze the U.S. cyber strategies of different agencies and departments. Specifically, it analyzes The National Security Strategy as it pertains to cyber and influence operations; The Department of Defense cyber strategy; The Department of Homeland Security cyber strategy and several other major defense related departments. Additionally, the Armed Services military doctrines on cyber policy are illustrated, including the relevant US doctrine on information warfare. Finally, academic analysis covering the doctrines of defend forward, persistent engagement, and the U.S.' approach to influence operations are discussed.

SECR 7302 - Comparative Cyber Policy: NATO (3 Credit Hours)

An in-depth exploration of cyber policy across NATO member countries, examining the similarities, differences, and collaborative efforts in their cyber strategies, legislations, and defense mechanisms. Students analyze how these nations address cyber threats, protect critical infrastructure, and cooperate within the NATO framework. The course also delves into the geopolitical implications of cyber policies, their impact on international relations, and the future of collective digital defense strategies in the context of NATO.

SECR 7303 - Comparative Cyber Policy: U.S. Adversaries (3 Credit Hours)

A comprehensive exploration of the cyber policies and strategies of key strategic adversaries of the United States: Russia, China, Iran, North Korea, and various non-state terrorist and criminal actors. Designed for advanced students specializing in intelligence, international relations, and national security, this course delves into the complex and nuanced world of global cyber conflict and competition. Throughout the course, students critically examine and compare the cyber strategies of these adversaries. They explore the unique historical, cultural, and political contexts that shape each actor's approach to cyber operations. The course covers a range of topics, including state-sponsored cyber espionage, cyber warfare tactics, information warfare, and the use of cyber capabilities by non-state actors for terrorism and criminal activities.

SECR 7304 - Cyber Intelligence: Policy and Theory (3 Credit Hours)

A comprehensive and in-depth exploration of cyber intelligence, focusing on the identification and analysis of threat actors, the strategies and complexities of cyber deterrence, and the challenges of cyber attribution. Designed for advanced students who are aiming to become experts in the field of cybersecurity and intelligence, this course equips them with the policy and theoretical knowledge and skills necessary to navigate the sophisticated landscape of contemporary cyber threats. The course analyzes the international order concerning cyber intelligence, and places the global realm within the context of U.S. national security.

SECR 7305 - Information Operations and Warfare (3 Credit Hours)

This course analyzes information warfare and information operations from theory to practice. It starts with an introduction to information warfare (IW) and then moves directly into influence operations. Close attention is paid to all aspects of IW, but especially social media operations, cyber-enabled influence operations, command and control operations, and electronic warfare. Special emphasis is placed upon how IW fits within kinetic conflict, the connection between intelligence and influence operations, and IW's connection to cyber operations. Finally, this course examines U.S. policy and doctrine according to the literature and juxtaposed to U.S. adversaries, especially China and Russia.

SECR 7308 - The Psychology of Cyberspace (3 Credit Hours)

Cyber-psychology studies the way people interact with technology and how technological tools effect the way people feel, think, and behave both online and offline. This course introduces theories of psychology and particularly cyber-psychology to help students gain a comprehensive understanding of the dynamics between human cognition and cyberspace. Topics include: political persuasion, associative learning, social engineering, social media, cybersecurity, political activism, and more. Also discussed are how human perception, learning, emotion, motivation, and belief systems are prone to online manipulation and what the implications are when it comes to social-political behaviors. Lastly, the course explores how state actors and non-state actors may take advantages of cyberspace to manipulate cognition, shape perceptions, and direct behaviors of their targeted audience.

SECR 7309 - Social Media Psychology and Propaganda Operations (3 Credit Hours)

Introduction to the theory and practice of propaganda operations with an emphasis on the role of new technology such as social media and the internet in propaganda and persuasion. The course examines propaganda operations on social media through different theoretical perspectives, including political psychology, political communication, political persuasion, and political behavior. Students are acquainted with both classic and frontier research on how propaganda interacts with information technology, war, political violence, and political campaign. Further discussed is how social media may influence individual behavior through the lens of social-political psychology. Additionally, cases on propaganda operations on social media include American presidential election campaign; information campaign between the United States and Russia; propaganda as a tool to manipulate public opinion in China, Russia, the United States, and other countries; terrorist group and other non-state actors' use of propaganda, and more.

SECR 7601 - Introduction to Statistical Analysis for Security Studies (3 Credit Hours)

Introduction to the foundational statistical analysis techniques for security studies. The first part of the course focuses on the importance and relevance of statistical analysis techniques for security studies. The second part of the course examines descriptive statistical analysis techniques. The next part of the course covers hypothesis testing and correlation and regression analysis. Then the course examines maximum likelihood estimation techniques. The last part of the course focuses on applying statistical analysis techniques to security studies data.

SECR 7602 - Introduction to Qualitative Methods: Process-Tracing and Case-Study Analysis (3 Credit Hours)

This course offers a graduate-level exploration of qualitative research methods in security studies, focusing on case studies and process tracing. Students engage in theoretical and practical applications of these methods, learning to design related research, analyze related data, and apply their findings to real-world security scenarios. Specifically, it focuses on case studies – in-depth examinations of single instances or events and their contexts – and process tracing – investigations of causal mechanisms behind sequences of events or actions that lead to a particular outcome in a specific case. Both methods are particularly valuable for understanding complex security issues and strategic outcomes. The course explores theoretical underpinnings, methodological approaches, and practical applications of these methods. Students learn when and how to effectively use case studies and process tracing, addressing issues of designing research, collecting and analyzing data, and reporting findings. The course focuses on theoretical knowledge as well as hands-on experience, enabling students to apply these methods to real-world security scenarios.

SECR 7603 - Advanced Statistical Analysis for Security Studies (3 Credit Hours)

Introduction to advanced statistical analysis for security studies. The course equips students with competence and practical expertise in advanced statistical analysis, specifically tailored for applications in security studies. The course is structured into two primary parts: the first focuses on advanced

multivariate regression techniques, while the second examines a range of complementary statistical methods frequently employed in high-level quantitative analysis.

Prerequisite(s): SECR 7601

SECR 7604 - Machine Learning and Security Analysis (3 Credit Hours)

Introduction to various machine learning models, providing an overview of many concepts, techniques, and algorithms, as well as demonstrating how these models can be applied to social science research and particularly security studies. This course starts with introducing important machine learning concepts such as classification, regression, overfitting, boosting, clustering, and more. Then the course investigates supervised learning algorithms that are commonly used in academia and industries such as decision trees, random forest, K-nearest neighbor, support vector machines, and neural networks. Next the course focuses on unsupervised learning algorithms, including the K-means clustering algorithm, feature selection and transformation algorithms, and dimensionality-reduction algorithms. In addition, the course provides instructions on the use of Python language and opportunities for students to perform hands-on, self-directed machine learning projects. Finally, information theory and reinforcement learning are briefly discussed.

Prerequisite(s): SECR 7601 and SECR 7605 and SECR 7606

SECR 7605 - Introduction to Data Analytics and Data Science (3 Credit Hours)

An introduction to data analytics and builds upon the introduction to statistics course. This course provides students with an understanding of some concepts that underline data analysis and familiarize students with some more advanced statistical techniques and math skills for social scientists. The course starts with essential notions of probability theory and statistics such as descriptive statistics, probability distributions, Bayes' Rule, and sampling distributions. It then introduces advanced concepts of quantitative analysis such as point estimation, confidence intervals, hypothesis testing, causal inference, statistical significance, and data mining. Next, the course covers techniques in modern data analysis focusing on bivariate and multivariate ordinary least squares regressions and data visualization. Also discussed is how to deal with different types of variables and data generating process. These concepts are illustrated with applications drawn from frontier research. Additionally, predictive methods and forecasting are covered. Finally, instructions are provided on the use of R language and opportunities for students to perform hands-on, self-directed empirical analysis.

Prerequisite(s): SECR 7601 and SECR 7603

SECR 7606 - Advanced Data Science (3 Credit Hours)

Introduces some advanced topics in statistical modeling and data science. The course covers a broad range of topics, starting from diagnostics and variations of the ordinary least-squares regressions such as non-normality, nonlinearity, nonconstant error variance, collinearity, and more. The course then proceeds to maximum likelihood estimations and related models such as the Logit regression and Probit regression. It further investigates time-series-cross-sectional data, multilevel models with random effects and fixed effects, and event-history modeling techniques. Finally, causal inference methods such as A/B testing, Difference-in-Difference estimation, and matching are discussed.

Prerequisite(s): SECR 7605

SECR 7700 - Introduction to GIS for Security Studies (3 Credit Hours)

An introduction to Geographic Information Systems (GIS) and the application of GIS techniques in security studies. The course first introduces the basic GIS concepts and components, such as geographic coordinate systems, spatial features (location, size, and shape) and attributes, geocoding, georeferencing, and more. Then the course moves on to common spatial data models and basic data analysis, including vector data analysis and raster data analysis. Further, it examines map projections, spatial data manipulations, and data visualization. Also discussed is the application of GIS methods in frontier research in security studies and political science in general. This course also introduces software and necessary skills and techniques for students to conduct hands-on GIS analysis including ArcGIS and R. Students learn through both theories and skills-based GIS exercise.

Prerequisite(s): SECR 7601

SECR 7701 - Advanced GIS for Security Studies (3 Credit Hours)

An intermediate-level course of Geographic Information Systems (GIS) and spatial analysis, with a focus on the application in the field of intelligence and defense studies. The course examines spatial regressions and the implementation of spatial regressions in R. First discussed is spatial data transformation and spatial autocorrelation, as well as the general use of spatial econometrics in political science. Then spatial autoregression and explore spatial interdependence. Finally, the course incorporates time into the analysis and discuss spatial-temporal autoregressive models. The course also provides hands-on opportunities for students to carry out self-directed spatial analysis projects in R. Prerequisite(s): SECR 7603 and SECR 7700

SECR 7702 - Social Media Analysis (3 Credit Hours)

Introduction to various text analysis methods for students to research social media content. Both theoretical and applied realms of text analysis with a focus on the application of text analysis in frontier research in social media studies are discussed. The course first introduces various social media collection methods, such as the use of API and web scraping algorithms. Then it proceeds to the pre-processing and manipulation of social media data. Following are introduced various methods and algorithms for analyzing social media data, including text classification, clustering, topic modeling, sentimental analysis, and more. The course also discusses various tools for handling text data in different languages. Further, frontier social media research for students to better understand the application of text analysis in social sciences are explored. Instructions on the use of Python language and opportunities for students to perform hands-on, self-directed social media analysis projects are provided.

Prerequisite(s): SECR 7605 and SECR 7606

SECR 7990 - Advanced Research in Security Studies (3 Credit Hours)

This course is an independent study course that allows an experienced student to do advanced research in a specific area based on prior class experience with a selected professor who is an expert in the proposed area. The purpose of this course is to help a student prepare, write, and eventually publish a scholarly paper in a selected genre of security studies. This serves as an elective for exceptional researchers. *May be repeated for credit one time for a maximum of 6 credit hours*

SECR 9900 - Integrated Research for Intelligence and Security Studies (3 Credit Hours)

The course serves two main purposes: First, students demonstrate that they have learned the needed information master knowledge in security studies write large through satisfactorily completing comprehensive exams. Second, this purpose is dependent on the student, and is either intelligence, defense, or cybersecurity policy; students are to write extensive literature reviews covering each field for their exam as the first part of this course (because there are two exams, students are expected to take this course twice, once for each exam). This course also serves as the stepping-stone to the dissertation prospectus process. In addition to a literature review of relevant materials, students are expected to produce a significant literature review related to their dissertation topic. Thus, this course integrates the research from the program through the students' dissertation process. After completion of this course, students take their comprehensive exam. The last week of the course serves as the exam period. Students have the option to pass exam outright earning an S in this course, or, if the student is borderline, an oral exam may be needed. If a student then passes the oral exam, an S is awarded. If the student fails, the student gets one more chance to take the course to prepare for the exam to pass, or, the student will be expelled from the program. If a student needs an oral exam, an I will be given until the student receives a final grade. *May be repeated for credit.*

SECR 9901 - Dissertation Prospectus (3 Credit Hours)

This course is an independent study course where students are guided in writing their dissertation prospectus. The prospectus will describe what type of dissertation is being pursued (i.e., traditional dissertation, three publishable papers, or the industry-specific "white paper" route). The course helps guide the student in their research design, data and methods, literature review, and dissertation calendar for when the completed parts of the finalized dissertation must be submitted. At the end of this course, the

student will submit the finalized prospectus to the committee to be voted upon. The course must be completed for a prospectus to be passed and before moving on to PhD candidacy status. *May be repeated for credit.*

SECR 9902 - Dissertation Research (3 Credit Hours)

This course is an independent study course where students are guided in writing their complete dissertation. Students will be exploring the PhD dissertation manuscript requirements of The Graduate School and the PhD - IDCP program. The course will guide the student through the process of dissertation completion dependent upon which of the three specific dissertation options were chosen. This course entails guided research hours. It is understood that drafts are submitted regularly to the dissertation committee, and that there is a constant process of revisions and re-writes. Once the dissertation committee is satisfied with the process made, and after the completion of at least 4 iterations of this course (at least 12 credit hours), the student will submit the finalized dissertation to the committee to be voted upon and evaluated. More than one section of this course can be taken concurrently, and, after at least 12 hours are earned, students can then register for SECR 9903 - Dissertation Defense. *May be repeated for credit.*

Prerequisite(s): SECR 9901

SECR 9903 - Defense Preparation and Presentation (3 Credit Hours)

In this final course in the PhD – IDCP program, students will complete their doctoral Dissertation Manuscript and oral defense. Students will have direct engagement with the dissertation committee during this course to ensure the dissertation is where it needs to be for defense, and students will be guided on how to prepare for defense and the expectations. Students will submit a complete manuscript and conduct a successful oral defense of their research. Students will not be submitted for course completion or be considered for program graduation until all required research hours are complete and dissertation manuscripts are approved for final submission. The deadline for the dissertation defense is three weeks prior to the graduation date. However, five weeks prior to the oral defense, an advisor-approved copy of the final dissertation manuscript must be submitted to the dissertation committee. Students are responsible for checking with The Graduate School to ensure all policies, required documentation, and deadlines are met throughout the dissertation process.

Pre- or Corequisite(s): SECR 9902

SPEECH-LANGUAGE PATHOLOGY (SLPP)

SLPP 2100 - Introduction to Speech Language Pathology (3 credit hours)

An introduction to the study of communication sciences and disorders and the fields of speech-language pathology and audiology. Additionally, the typical speech and language development, anatomy and physiology for speech and hearing science, and etiologies, evaluation procedures, and therapy techniques for various communication disorders is included.

SLPP 2101 - Anatomy and Physiology of the Speech and Hearing Mechanism (3 Credit Hours)

An introduction to the anatomy and physiology of the speech and hearing mechanism with emphasis on the structure and function of the various components involved in speech and hearing. The course focuses on five subdivisions of the human body: neurological, respiratory, laryngeal, pharyngeal, and auditory. Each subsystem is examined with regard to its contribution to speech production, as well as how the subsystems work together to produce speech. The discussion section expands upon course lectures by focusing on instrumentation and methodology used in research and clinical settings to assess the structure and function of the speech mechanism in both normal and disordered populations.

SLPP 2102 - Introduction to Audiology (3 Credit Hours)

The fundamental aspects of hearing, including a study of the physics of sound, the anatomy of physiology of the hearing mechanism, and the etiology of hearing loss and other auditory processing difficulties.

SLPP 2103 - Phonetics (3 Credit Hours)

A study of the International Phonetic Alphabet as applied to the English language with an analysis of the of sound both in isolation and connected speech.

SLPP 2104 - Clinical Observations in Speech-Language Pathology (3 Credit Hours)

Provides a basic understanding of communication and swallowing disorders across the lifespan. Students are required to complete a minimum of 25 hours of guided clinical observations under the supervision of a speech-language pathologist who holds a current Certificate of Clinical Competence in Speech-Language Pathology (CCC-SLP) from the American Speech-Language-Hearing Association (ASHA). Students also gain experience describing speech and language using both oral and written communication.

SLPP 2105 - Speech and Language Development (3 Credit Hours)

Acquaints students with verbal behavior, including assessing verbal behavior in individuals with language development delay and communication disorders, and designing instructional procedures to support individuals through basic and various verbal operants.

SLPP 5101 - Anatomy of the Head and Neck (3 Credit Hours)

This anatomy course is a comprehensive review of head and neck anatomy and physiology using lectures, laboratory dissection, and lab demonstrations. It covers the normal structure and function of head and neck anatomy and related etiologies specific to speech-language communication, voice, hearing, and swallowing production. *May be repeated for credit up to 2 times.*

Corequisite(s): SLPP 5102 and SLPP 5103 and SLPP 5104 and SLPP 5105 and SLPP 5106

Additional Course Fee: Anatomy Lab Fee - \$400 Flat Fee

SLPP 5102 - Cognitive Communication and Language Disorders from Infancy through Adolescence (4 Credit Hours)

This course covers in-depth study of impairments of oral language, reading, written expression, and social skills in school-age children and adolescents. It explores etiology, diagnosis, and treatment of developmental and acquired communication and language delay/disorders from infancy through adolescence. Topics are covered across three broad areas of child language: cultural and linguistic diversity (multicultural issues; ESOL), early intervention (prelinguistic communication), and social communication (pragmatic language deficits across disorders and developmental levels). Assessment and intervention techniques approaches for treating language impairment in children with disabilities, such as specific language impairment, developmental delays, and autism spectrum disorder. *May be repeated for credit up to 2 times.*

Corequisite(s): SLPP 5101 and SLPP 5103 and SLPP 5104 and SLPP 5105 and SLPP 5106

SLPP 5103 - Articulation and Phonological Disorders (3 Credit Hours)

This course covers the knowledge base for developmental norms of speech sound development, evaluation, diagnosis, and treatment of articulation and phonological processes affecting disordered speech sound development. *May be repeated for credit up to 2 times.*

Corequisite(s): SLPP 5101 and SLPP 5102 and SLPP 5104 and SLPP 5105 and SLPP 5106

SLPP 5104 - Pediatric Assessment and Intervention (with Diagnostic Lab) (2 Credit Hours)

This course provides screening, evaluation, and assessment processes for pediatric speech-language-communication disorders. Content encompasses planning, informal, standardized assessment, and interpretation for developing appropriate goals and outcomes. The course introduces students to the process of evaluation and assessment required to identify, define, differentiate, and plan for pediatric individuals presenting with speech-language-communication disorders from birth to adolescence. Students develop prerequisite knowledge for functioning in the capacity of a diagnostician. Learning is facilitated through lectures, observation, discussion, and simulated lab screening/evaluation competencies. *May be repeated for credit up to 2 times.*

Corequisite(s): SLPP 5101 and SLPP 5102 and SLPP 5103 and SLPP 5105 and SLPP 5106

SLPP 5105 - The Role of the Speech-Language Pathologist in Special Education (2 Credit Hours)

Speech-Language Pathologists have modified and expanded their role in the education setting in response to populations in need of their expertise and services in the areas of speech, language, cognitive-communication, voice, fluency, swallowing, and hearing loss. Graduate students in this course learn base knowledge of the integral role of the SLP as a school-based therapist. This course is designed to provide information about the range of service delivery models in schools, considerations for providing these services, and relevant resources. Topics include: meeting the tenets of the Individuals with Disabilities Education Act (IDEA; 2004) by delivering a free and appropriate public education program (FAPE) in the least restrictive environment (LRE). The complexity of caseload scheduling, MTSS (Multi-tiered Student Support) and Response to Intervention (RTI) processes, Individualized Education Plan (IEP) and IEP team participation and decision-making, the re-evaluation process, caseload management, recommending classroom supports/modifications, etc. This course addresses the challenges facing school-based SLPs (i.e., “speech teacher” title, high caseloads, teacher salary pay scale). Topics include: legislative mandates, current issues in education impacting traditional roles of school-based SLPs, SLP Assistants/Aides, service delivery model of diverse populations (e.g., ASD, DHH), AAC in schools, best practices, multi-disciplinary collaborative practice, data collection, and accountability measures. Basic sign language skills are taught during this course. *May be repeated for credit up to 2 times.*

Corequisite(s): SLPP 5101 and SLPP 5102 and SLPP 5103 and SLPP 5104 and SLPP 5106

SLPP 5106 - Processes of Clinical Practicum and Interprofessional Education (2 Credit Hours)

This course covers the fundamentals and soft skills required before entering Clinical Practicums I, II, and III. It reviews the basic aspects of professionalism, time management, practicum expectations, treatment delivery, communication skills, interpersonal skills, behavioral management skills, intervention strategies, data collection, and documentation. In addition, the course provides information about the web-based application Clinical Assessment of Learning Inventory of Performance Streamlined Office Operations (CALIPSO) for documentation of student clinical competencies, supervision, and hours via interactive and customized data dashboards that enable knowledge management between the clinical administrator, supervisor, and student including an overview of the Level One, Two, and Three CALIPSO Clinical Competencies Rating Scales. *May be repeated for credit up to 2 times.*

Corequisite(s): SLPP 5101 and SLPP 5102 and SLPP 5103 and SLPP 5104 and SLPP 5105

SLPP 5201 - Aerodigestive I (with Voice Lab) (3 Credit Hours)

This course is specifically designed for the Master of Health Science in Speech-Language Pathology graduate program. The aerodigestive tract includes the airway (pharynx and larynx), pulmonary tract (trachea, bronchi, and lungs), and upper digestive tract (esophagus). This course complements SLPP 5202 and covers the initial formal education of voice disorders. It covers base knowledge of the etiology, perceptual, acoustic, and endoscopic diagnostic procedures. Emphasis is placed on the fundamental competency skills required to complete and accurately document the diagnostic procedures via instrumental evaluations. Instrumental diagnostic and hands-on experiential learning opportunities are offered using professional grade, videostroboscopy to visualize vocal fold vibration and Visi-Pitch Computerized Speech Lab (CSL) to keep pace with the increase of the medical SLP service delivery needs within the diverse SLP scope of practice. Topics include: intervention approaches for individuals with functional, neurogenic, psychogenic, resonance voice disorders, gender dysphoria, head/neck cancer, laryngectomy, velopharyngeal insufficiency, and tracheostomy and ventilator-dependent interprofessional learning opportunities with on-campus respiratory therapy academic program faculty and students. *May be repeated for credit up to 2 times.*

Corequisite(s): SLPP 5202 and SLPP 5203 and SLPP 5204 and SLPP 5205 and SLPP 5206

SLPP 5202 - Aerodigestive II (with Dysphagia Lab) (3 Credit Hours)

The aerodigestive tract includes the airway (pharynx and larynx), pulmonary tract (trachea, bronchi, and lungs), and upper digestive tract (esophagus). This graduate-level course complements SLPP 5201 and

covers the initial formal education of swallowing and swallowing disorders. Course materials (lectures, readings, simulations, labs, and assignments) cover normal and abnormal anatomy and physiology related to swallowing function across the lifespan and in various patient populations. Emphasis is placed on the fundamental competency skills required to complete and accurately document the diagnostic procedures via instrumental evaluations using professional-grade Fiberoptic Endoscopic Evaluation of Swallowing (FEES) to keep pace with the increased medical SLP service delivery needs. Diagnostic assessment and treatment of swallowing with hands-on experiential learning includes certification completion in the Modified Barium Swallowing Impairment Profile (MBSImp) program to develop a repertoire of best practices in interpreting swallowing function. Common patient populations are highlighted (e.g., neurologic, head and neck cancer, end of life, tracheostomy, and ventilated patients). This introductory level course in dysphagia provides students with the foundations of dysphagia that builds upon clinical externships, fellowships, and professional careers. *May be repeated for credit up to 2 times.*

Corequisite(s): SLPP 5201 and SLPP 5203 and SLPP 5204 and SLPP 5205 and SLPP 5206

SLPP 5203 - Aphasia and Other Neurogenic Disorders (3 Credit Hours)

This course covers acquired cognitive, communication, and language disorders as a result of neurological injury or illness in the adult population. Content focuses on etiology, characteristics, assessment, and intervention in the areas of aphasia, traumatic brain injury, right hemisphere disorder, and dementia. *May be repeated for credit up to 2 times.*

Corequisite(s): SLPP 5201 and SLPP 5202 and SLPP 5204 and SLPP 5205 and SLPP 5206

SLPP 5204 - Medical Aspects of Speech-Language Pathology (2 Credit Hours)

Students learn a base knowledge of the relationships between SLPs, medical disciplines, and allied health disciplines (i.e., respiratory therapy, occupational therapy). The course includes medical terminology in English and Spanish, medical chart review, governing bodies of healthcare organizations, medical ethical dilemmas, report writing for the medical model of treatment, interprofessional roles and responsibilities, and tenets of teamwork. *May be repeated for credit up to 2 times.*

Corequisite(s): SLPP 5201 and SLPP 5202 and SLPP 5203 and SLPP 5205 and SLPP 5206

SLPP 5205 - Clinical Practicum I (1 Credit Hour)

Adhering to the American Speech-Language-Hearing Association (ASHA) standards as dictated by the Council on Academic Accreditation (CAA) in SLP and accordance with The Council for Clinical Certification in SLP (CFCC) standards for professional certification, graduate students are required to obtain a minimum of 400 clock hours (375 supervised clinical practicum) for graduation. During this first clinical practicum, Level One graduate students participate in direct patient/client contact while supervised by an ASHA-certified clinical preceptor(s) across various therapeutic settings. Development and application of appropriate evidence-based evaluation and treatment plans, collaborative supervisory meetings, self-analysis skills, and completion of written documentation via CALIPSO are expected. *May be repeated for credit up to 2 times.*

Corequisite(s): SLPP 5201 and SLPP 5202 and SLPP 5203 and SLPP 5204 and SLPP 5206

SLPP 5206 - Clinical Practicum I Seminar (1 Credit Hour)

In conjunction with Clinical Practicum One, graduate students attend a 50-minute weekly class meeting to guide self-reflection of their supervised clinical training. Self-reflection focuses on self-evaluation as a Level One, novice clinician including evaluation of student therapist-patient communication, plan of care, complete diagnostic assessment and therapeutic intervention tasks, student's ability to plan for the next session, written documentation, time management, and to ensure CALIPSO platform is implemented correctly. Students identify strengths and areas to improve each week based on their knowledge and skills goals for the semester. This weekly class meeting also serves as a supplemental student advising session. *May be repeated for credit up to 2 times.*

Corequisite(s): SLPP 5201 and SLPP 5202 and SLPP 5203 and SLPP 5204 and SLPP 5205

SLPP 5301 - Professionalism, Ethics, and Counseling in Speech-Language Pathology (3 Credit Hours)

This graduate-level course reviews and discusses the following important ASHA documents: SLP Scope of Practice, SLP Code of Ethics, Preferred Practice Patterns, and CFCC guidelines in reference to professionalism, medical/clinical ethics, and basic counseling principles as an entry-level SLP. Topics include: preparation for the Praxis Exam, SLP professional role, credentialing, ethics, legal considerations involved in the delivering SLP services, legislative mandates affecting the profession, service delivery systems, healthcare reimbursement issues, state licensure, national certification, state teacher certification requirements, job opportunities, SLP professional organizations, and professional advocacy. Students have the opportunity to participate in an interprofessional mock job interview to practice their interview skills with potential employers and program faculty from other disciplines. *May be repeated for credit up to 2 times.*

Corequisite(s): SLPP 5302 and SLPP 5303 and SLPP 5304 and SLPP 5305 and SLPP 5306 and SLPP 5307

SLPP 5302 - Head and Neck Cancer (1 Credit Hour)

This course covers head and neck cancer diagnosis, treatment options, side effects of non-surgical and surgical treatments, oral cancer surgeries and reconstruction, laryngeal cancer surgery and reconstruction, total laryngectomy, post laryngectomy, voice rehabilitation, pulmonary rehabilitation, swallowing assessment, and treatment of all head and neck cancer diagnoses across the continuum of care. Instruction includes instruction trachs and speaking valves, patient studies, and product samples to support learning. *May be repeated for credit up to 2 times.*

Corequisite(s): SLPP 5301 and SLPP 5303 and SLPP 5304 and SLPP 5305 and SLPP 5306 and SLPP 5307

SLPP 5303 - Adult Assessment and Intervention (with Diagnostic Lab) (2 Credit Hours)

This graduate-level course complements SLPP 5203 by providing screening, evaluation, and assessment processes related to speech-language-communication disorders. Content encompasses planning, informal, standardized assessment, and interpretation for the development of appropriate goals and outcomes. The purpose of the course is to introduce the student to the process of adult evaluation and assessment required to identify, define, differentiate, and plan for therapeutic intervention. Students develop prerequisite knowledge for functioning in the capacity of a diagnostician. Learning is facilitated through lectures, observation, discussion, and simulated lab screening/evaluation competencies to determine the appropriate screening and evaluation tool(s) to diagnose and treat adults with speech-language, cognitive and/or communication impairments secondary to a new medical onset. *May be repeated for credit up to 2 times.*

Corequisite(s): SLPP 5301 and SLPP 5302 and SLPP 5304 and SLPP 5305 and SLPP 5306 and SLPP 5307

SLPP 5304 - Fluency (1 Credit Hour)

This course provides the master's level student in speech language pathology with understanding of the complex issues which surround the successful treatment of fluency disorders, including familial considerations and counseling. By the conclusion of this course, students should be able to demonstrate knowledge of the nature of stuttering and other fluency disorders, including etiological theories, characteristics of the disorder anatomical and physiological bases and correlates of fluency disorders, developmental features of fluency disorders, psychological correlates of fluency disorder, linguistic factors relating to fluency disorders, and social and cultural considerations in the assessment and treatment of fluency disorders. *May be repeated for credit up to 2 times.*

Corequisite(s): SLPP 5301 and SLPP 5302 and SLPP 5303 and SLPP 5305 and SLPP 5306 and SLPP 5307

SLPP 5305 - SLP Research and Design I (1 Credit Hour)

This course introduces the principles of research culminating in a Capstone research project that will be completed/presented in SLPP 6404. Students learn the essential components of a peer-reviewed empirical research study related to SLP clinical application and evidence-based treatment. *May be repeated for credit up to 2 times.*

Corequisite(s): SLPP 5301 and SLPP 5302 and SLPP 5303 and SLPP 5304 and SLPP 5306 and SLPP 5307

SLPP 5306 - Clinical Practicum II (1 Credit Hour)

During this second clinical practicum, Level Two graduate students participate in direct patient/client contact while supervised by an ASHA-certified clinical preceptor(s) across a variety of therapeutic settings. Development and application of appropriate evidence-based evaluation and treatment plans, collaborative supervisory meetings, self-analysis skills, and completion of written documentation via CALIPSO are expected. Adhering to the American Speech-Language-Hearing Association (ASHA) standards as dictated by the Council on Academic Accreditation (CAA) in SLP and in accordance with The Council for Clinical Certification in SLP (CFCC) standards for professional certification, graduate students are required to obtain a minimum of 400 clock hours (375 supervised clinical practicum) for graduation. *May be repeated for credit up to 2 times.*

Corequisite(s): SLPP 5301 and SLPP 5302 and SLPP 5303 and SLPP 5304 and SLPP 5305 and SLPP 5307

SLPP 5307 - Clinical Practicum II Seminar (1 Credit Hour)

In conjunction with Clinical Practicum II, Level Two graduate students attend a 50-minute weekly class meeting to guide self-reflection of their supervised clinical training. Self-reflection focuses on self-evaluation as a Level 2 clinician, including evaluation of student therapist-patient communication, plan of care, complete diagnostic assessment and therapeutic intervention tasks, student's ability to plan for the next session, written documentation, time management, and to ensure CALIPSO platform is implemented correctly. Students identify strengths and areas to improve each week based on their knowledge and skills goals for the semester. This weekly class meeting also serves as a supplemental student advising session. *May be repeated for credit up to 2 times.*

Corequisite(s): SLPP 5301 and SLPP 5302 and SLPP 5303 and SLPP 5304 and SLPP 5305 and SLPP 5306

SLPP 6401 - Oral Motor, Feeding, and Neurologically Based Pediatric Dysphagia (with Lab) (3 Credit Hours)

Students are trained in assessing and managing feeding and motor speech disorders from infancy to adolescence. This course covers analysis, synthesis, and evaluation of etiologies, characteristics, anatomical/physiological, neurophysiological, acoustic, psychological, developmental, and linguistic/cultural correlates of pediatric feeding, eating, and swallowing. Explore the three phases of swallowing (oral, pharyngeal, esophageal), oral-motor function, reflux, sensory and feeding aversions, and Modified Barium Swallow Studies (MBSS). Topics include: craniofacial anomalies and genetic disorders resulting in swallowing disorders. This course also includes a discussion of the nature, etiology, diagnosis, and management of motor speech disorders with emphasis on differential diagnosis and treatment across all settings. Topics include: executive function, learning, attention, and processing. Learning will be facilitated through lectures, observation, discussion, and hands-on lab clinical competencies. *May be repeated for credit up to 2 times.*

Corequisite(s): SLPP 6402 and SLPP 6403 and SLPP 6404 and SLPP 6405 and SLPP 6406

SLPP 6402 - Augmentative and Alternative Communication (AAC) and Hearing Rehabilitation (2 Credit Hours)

This course covers a base knowledge of AAC from low to high technology utilizing the Student, Environment, Tasks and Tools (SETT) framework. The course provides a comprehensive overview of evidence-based augmentative and alternative communication (AAC) systems, assessment, and intervention to enhance the communication and participation of children and adults with developmental and acquired conditions who have complex communication needs. It also includes the integral role of the SLP with an interprofessional approach of AAC services for individuals with complex communication needs who experience a wide range of disabilities, including autism spectrum disorder, cerebral palsy, Down syndrome, amyotrophic lateral sclerosis (ALS), traumatic brain injury, aphasia, and dementia. Aural rehabilitation topics are covered. *May be repeated for credit up to 2 times.*

Corequisite(s): SLPP 6401 and SLPP 6403 and SLPP 6404 and SLPP 6405 and SLPP 6406

SLPP 6403 - Cultural Responsiveness in Speech-Language Pathology (2 Credit Hours)

This course covers multicultural issues in SLP across all aspects to reflect diversity, equity, and inclusion of the visible and invisible diversity of our ever-evolving global society to meet the speech, language, swallowing needs across our culturally diverse population. Explore DEI initiatives to gain awareness and sensitivity to remove structural and social barriers in the therapeutic setting to optimize evaluation and treatment. Graduate students participate in open discussions regarding issues in the provision of services to multicultural populations including cultural norms, cultural competence, and the SLP scope of practice. Graduate students have the opportunity to participate in service-learning opportunities via AU-related health fair opportunities (i.e., Costa-Layman Outreach Health Fair sponsored by the College of Nursing, Clinica Latina, and Equality Clinic sponsored by the Medical College of Georgia). *May be repeated for credit up to 2 times.*

Corequisite(s): SLPP 6401 and SLPP 6402 and SLPP 6404 and SLPP 6405 and SLPP 6406

SLPP 6404 - SLP Research and Design II (3 Credit Hours)

This graduate-level course is part two of SLPP 5305. Students complete the Capstone project via a literature review on a topic of their choice, focusing on SLP best practices related to a diagnosis, clinical application, and/or evidence-based treatment across the lifespan. Graduate students submit a research proposal for poster submission(s) to the Georgia Speech-Language-Hearing Association (GSHA) and/or American Speech-Language-Hearing Association (ASHA) Convention. *May be repeated for credit up to 2 times.*

Corequisite(s): SLPP 6401 and SLPP 6402 and SLPP 6403 and SLPP 6405 and SLPP 6406

SLPP 6405 - Clinical Practicum III (1 Credit Hour)

During this third and final clinical practicum, Level Two graduate students participate in direct patient/client contact while supervised by an ASHA-certified clinical preceptor(s) across a variety of therapeutic settings. Development and application of appropriate evidence-based evaluation and treatment plans, collaborative supervisory meetings, self-analysis skills, and completion of written documentation via CALIPSO are expected. Adhering to the American Speech-Language-Hearing Association (ASHA) standards as dictated by the Council on Academic Accreditation (CAA) in SLP, and in accordance with The Council for Clinical Certification in SLP (CFCC) standards for professional certification, graduate students are required to obtain a minimum of 400 clock hours (375 supervised clinical practicum) for graduation. *May be repeated for credit up to 2 times.*

Corequisite(s): SLPP 6401 and SLPP 6402 and SLPP 6403 and SLPP 6404 and SLPP 6406

SLPP 6406 - Clinical Practicum III Seminar (1 Credit Hour)

In conjunction with Clinical Practicum III, Level Two graduate students attend a 50-minute weekly class meeting to guide self-reflection of their supervised clinical training. Self-reflection focuses on self-evaluation as a novice clinician, including evaluation of student therapist-patient communication, plan of care, complete diagnostic assessment and therapeutic intervention tasks, student's ability to plan for the next session, written documentation, time management, and to ensure CALIPSO platform is implemented correctly. Students identify strengths and areas to improve each week based on their knowledge and skills goals for the semester. This weekly class meeting also serves as a supplemental student advising session. *May be repeated for credit up to 2 times.*

Corequisite(s): SLPP 6401 and SLPP 6402 and SLPP 6403 and SLPP 6404 and SLPP 6405

SLPP 6501 - Pediatric Externship (11 Credit Hours)

Adhering to the American Speech-Language-Hearing Association (ASHA) standards as dictated by the Council on Academic Accreditation (CAA) in SLP and in accordance with The Council for Clinical Certification in SLP (CFCC) standards for professional certification, graduate students are required to obtain a minimum of 400 clock hours (375 supervised clinical practicum) for graduation. During this pediatric externship, Level Three graduate students participate in direct patient/client contact while supervised by an ASHA-certified clinical preceptor(s) to refine their clinical independence during a full-time clinical experience. Graduate students demonstrate entry-level SLP clinical competency skills by

providing meaningful and efficient patient care management, independently gather and use relevant information including co-morbidities, cultural and social background, and social support to develop and implement a plan of care with other specialties for optimal patient outcomes. *May be repeated for credit up to 2 times.*

Corequisite(s): SLPP 6502

SLPP 6502 - Pediatric Externship Seminar (1 Credit Hour)

In conjunction with the Pediatric Externship, graduate students attend a 50-minute weekly class meeting to guide self-reflection of their supervised clinical training. Self-reflection focuses on self-evaluation as an independent clinician and soon-to-be entry-level SLP, including evaluation of extern-patient communication, plan of care, complete diagnostic assessment and therapeutic intervention tasks, written documentation, time management, and to ensure CALIPSO platform is implemented correctly. Students identify strengths and areas to improve each week based on their knowledge and skills goals for the semester. This weekly class meeting also serves as a supplemental student advising session. *May be repeated for credit up to 2 times.*

Corequisite(s): SLPP 6501

SLPP 6601 - Adult Externship (8 Credit Hours)

Adhering to the American Speech-Language-Hearing Association (ASHA) standards as dictated by the Council on Academic Accreditation (CAA) in SLP and in accordance with The Council for Clinical Certification in SLP (CFCC) standards for professional certification, graduate students are required to obtain a minimum of 400 clock hours (375 supervised clinical practicum) for graduation. During this adult externship, graduate students participate in direct patient/client contact while supervised by an ASHA-certified clinical preceptor(s) to refine their clinical independence during a full-time clinical experience. Graduate students demonstrate entry-level SLP clinical competency skills by providing meaningful and efficient patient care management, independently gather and use relevant information including co-morbidities, cultural and social background, and social support to develop and implement a plan of care with other specialties for optimal patient outcomes. *May be repeated for credit up to 2 times.*

Corequisite(s): SLPP 6602

SLPP 6602 - Adult Externship Seminar (1 Credit Hour)

In conjunction with the Adult Externship, graduate students attend a 50-minute weekly class meeting to guide self-reflection of their supervised clinical training. Self-reflection focuses on self-evaluation as an independent clinician and soon-to-be entry-level SLP including evaluation of extern-patient communication, plan of care, complete diagnostic assessment and therapeutic intervention tasks, written documentation, time management, and to ensure CALIPSO platform is implemented correctly. Students identify strengths and areas to improve each week based on their knowledge and skills goals for the semester. This weekly class meeting also serves as a supplemental student advising session. *May be repeated for credit up to 2 times.*

Corequisite(s): SECR 6601

SOCIOLOGY (SOCI)

SOCI 1101 - Introduction to Sociology (3 Credit Hours)

Introduces students to the major concepts, methods, theories, and findings of sociology—the study of human interaction in groups and organizations as well as the nature of our society and its major social institutions.

SOCI 1101H - Honors: Introduction to Sociology (3 Credit Hours)

Introduces students to the major concepts, methods, theories, and findings of sociology—the study of human interaction in groups and organizations as well as the nature of our society and its major social institutions. This is an Honors Course.

SOCI 1103 - Introduction to Behavioral and Social Science (3 Credit Hours)

An interdisciplinary introduction to methods and concepts in the behavioral and social sciences, including (but not limited to) anthropology, economics, psychology, and sociology. Emphasis will be placed on integrating the perspectives various disciplines contribute to understanding and explaining human behavior and social order.

SOCI 1160 - Social Problems Analysis (3 Credit Hours)

An analytical and critical approach to the study of contemporary social problems.

Prerequisite(s): (SOCI 1101 >= C or SOCI 1101H >= C or SOC101 >= C or SOCI 1103 >= C or PSYC 1103 >= C)

SOCI 2241 - Social and Cultural Diversity (3 Credit Hours)

Introduces students to the social construction of contemporary societies. Focuses on social realities constructed over gender, class, race, national origin, religion, language, and sexuality.

Prerequisite(s): (SOCI 1101 >= C or SOCI 1101H >= C or SOC101 >= C or SOCI 1103 >= C or PSYC 1103 >= C)

SOCI 2950 - Selected Topics (1 to 3 Credit Hours)

A variable content course. Either 1) a faculty-initiated course which allows students the opportunity to enroll in specifically titled courses, or 2) a student-initiated directed study at an introductory level.

Prerequisite(s): permission of instructor; and contractual agreement with department chair. Only one 2950 course may be included in the major. *May be repeated for credit.*

Prerequisite(s): (SOCI 1101 >= C or SOCI 1101H >= C or SOC101 >= C or SOCI 1103 >= C or PSYC 1103 >= C)

SOCI 3000 - Criminology (3 Credit Hours)

The study of criminal behavior and its treatment. The development of criminal behavior and societal reaction in contemporary society are addressed in terms of major social theories of crime and its causation. The treatment and rehabilitation of the offender by probation, imprisonment, and parole are addressed in terms of philosophy and policy.

Prerequisite(s): SOSC 3001 >= C or SOSC 3002 >= C or SOSC 3003 >= C

SOCI 3001 - Methods in Social Research I (3 Credit Hours)

An introduction to the scientific method in social research; logic of scientific inquiry; relationship between theory and research; logic of sampling; modes of observation (experiments, survey research, field research, evaluation research); and ethics in social research.

Prerequisite(s): (MATH 1101 >= D or MATH 1111 >= D or MATH 1001 >= D or MATH 1113 >= D) and (SOCI 1101 >= D or SOCI 1101H >= D or SOCI 1103 >= D) and SOCI 1160 >= D

SOCI 3002 - Methods in Social Research II (3 Credit Hours)

An introduction to the analysis of social data; including the quantification of data for computer application; use of SPSS (statistical package) for analyzing data, logic of statistical inference; statistical techniques for analyzing data, including univariate, bivariate, and multivariate social statistics; and the reporting of research findings.

Prerequisite(s): SOCI3001 >= C or SOCI3381 >= C

SOCI 3003 - Qualitative Research Methods (3 Credit Hours)

An introduction to qualitative research methodologies including formulating viable research questions; various issues related to ethical conduct and validity when conducting fieldwork; data gathering techniques through participant observation, interviews, and focus groups; coding and analysis of data; and writing research findings.

Prerequisite(s): (SOCI 1101 >= C or SOCI 1101H >= C) and SOCI 1160 >= C and SOCI3001 >= C

SOCI 3187 - Sociology of Murder (3 Credit Hours)

The study of homicide from sociological and criminal justice perspectives including the identification of

macro level social processes such as political, economic and cultural forces including gender and race that impact on homicide and how individuals in society view and react to different types of homicide. The consequences of homicide for both individuals and society, and different types of possible intervention strategies based on different theoretical approaches to the socio-scientific study of murder are also studied.

Prerequisite(s): (CRJU1103 >= C or SOCI 1101 >= C or SOCI 1101H >= C)

SOCI 3303 - Sociology of the Family (3 Credit Hours)

Study of the family as an institution in society. Examines why the family takes particular forms in particular societies, and what forces are responsible for changing and shaping it. Attention given to the position of men and women in society, social class, ethnic and racial differences, and historical and comparative materials.

Prerequisite(s): (SOCI 1101 >= D or SOCI 1101H >= D or SOCI 1103 >= D or PSYC 1103 >= D) and SOCI 1160 >= D

SOCI 3317 - Sociology of Health and Illness (3 Credit Hours)

Sociology of Health and Illness In this course, students will become familiar with classic and contemporary sociological theory and research on health and illness (with a focus in the United States), examine social determinants of health (including how health is related to socioeconomic status, gender, age, race, and sexuality), consider research in epidemiology (or the distribution of health conditions), and discuss social stress and health behaviors.

Prerequisite(s): (SOCI 1101 >= D or SOCI 1101H >= D) and SOCI 1160 >= D

SOCI 3320 - Sociology of Aging (3 Credit Hours)

An introduction to the elderly as members of society and the social institutions which impact on their lives and which the elderly helped to shape and currently influence. Covers theoretical perspectives on aging, the individual and the social system, adjustment patterns and changing lifestyles in old age, relevant societal issues, current trends, opportunities, and challenges.

Prerequisite(s): (SOCI 1101 >= C or SOCI 1101H >= C or SOCI 1103 >= D or PSYC 1103 >= D) and SOCI 1160 >= D

SOCI 3323 - Sociology of Popular Culture (3 Credit Hours)

This course examines how popular culture reflects major characteristics of society and individuals at the same time that it influences that society and those individuals. The history and influence of music, humor, sports, movies and graffiti will be included.

Prerequisite(s): (SOCI 1101 >= D or SOCI 1101H >= D or SOCI 1103 >= D or SOCI 1103 >= D) and SOCI 1160 >= D

SOCI 3330 - Social Deviance (3 Credit Hours)

Covers theoretical and empirical issues in the understanding and designations of deviant behavior; addresses the analysis of the social causes and consequences of deviance, conformity, and societal reactions.

Prerequisite(s): (SOCI 1101 >= D or SOCI 1101H >= D or SOCI 1103 >= D or PSYC 1103 >= D) and SOCI 1160 >= D

SOCI 3331 - Youth and Society (3 Credit Hours)

A study of the history of changing conceptions of childhood, the family, and childhood socialization; the invention of adolescence and the various attributions to childhood and adolescence; and a survey of major developmental schemes of adolescence with an emphasis on characteristics of American adolescence as conducive to delinquency.

Prerequisite(s): (SOWK1101 >= C or SOCI 1101 >= C or SOCI 1101H >= C or SOCI 1160 >= C or CRJU1103 >= C)

SOCI 4433 - Juvenile Delinquency and Justice (3 Credit Hours)

This course discusses the philosophy, theory, and history of juvenile delinquency, including its causes, preventions, and measurement from sociological perspectives. It also discusses the historical development of juvenile justice including the establishment of the juvenile court and juvenile corrections in America. Topics include: the philosophical, social, and legal justifications of juvenile justice, contrasts the processing of juveniles with that of adult offenders, and focuses on contemporary issues and problems in juvenile justice.

Prerequisite(s): (SOCI 1101 >= C or SOCI 1101H >= C or CRJU 1103 >= C) and SOCI 1160 >= C; Cross-Listed Course(s): CRJU 4433

SOCI 3336 - Women, Crime and the Criminal Justice System (3 Credit Hours)

A sociological analysis of women as criminal offenders and as workers in criminal justice fields. Examines the socio-historical construction of gender for its influences on criminal law and the practices of criminal justice agencies. Covers historical perspectives on women and crime, the adequacy of contemporary criminological perspectives for explaining female criminality.

Prerequisite(s): (SOCI 1160 >= C or WMST1101 >= C or CRJU1103 >= C)

SOCI 3340 - Social Stratification (3 Credit Hours)

An introduction to social stratification with a primary emphasis on theories of stratification and on an empirical examination of the American class structure. Includes historical-comparative material and addresses other dimensions of inequality such as race, ethnicity, sex, and age as they interact with social class.

Prerequisite(s): (SOCI 1160 >= D) and (SOCI 1101 >= D or SOCI 1101H >= D or SOCI 1103 >= D or PSYC 1103 >= D)

SOCI 3373 - Social Psychology (3 Credit Hours)

Examines social interactions that relate people to each other in everyday life with special focus on symbolic communication. Exploration of how humans create and define experience. This model of symbolic interactionism is compared critically to other approaches for explaining human conduct.

Prerequisite(s): (SOCI 1101 >= D or SOCI 1101H >= D or SOCI 1103 >= D or PSYC 1103 >= D) and SOCI 1160 >= D

SOCI 3375 - Sociology of Death, Grief and Caring (3 Credit Hours)

Examines the phenomenon of death as it relates to the social structure of selected cultures; the patterns of social interaction which surround and give meaning to various aspects of death, loss, grief, and caring; and the plans of action which individuals and societies develop to guide them as they confront death.

Prerequisite(s): (SOCI 1101 >= D or SOCI 1101H >= D or SOCI 1103 >= D or PSYC 1103 >= D) and SOCI 1160 >= D

SOCI 3380 - Sociological Theory (3 Credit Hours)

Critical examination of the modern grounding of sociological theory based on the works of classical theorists and the emergence of contemporary theoretical paradigms.

Prerequisite(s): (SOCI 1101 >= D or SOCI 1101H >= D or SOCI 1103 >= D or PSYC 1103 >= D) and SOCI 1160 >= D

SOCI 3442 - Identity and Social Change (3 Credit Hours)

This course will review the relationship between identity and social change. We will explore the broader interconnectedness between power, privilege, inequality, collective action, and expressions of identity as it relates to social activism.

Prerequisite(s): SOCI 1160 >= C

SOCI 3600 - Victimology and Victimization (3 Credit Hours)

An overview of the sociological approach to victimology and victimization. Topics include: situating victimization within the broader criminological sciences, classic and contemporary theoretical approaches

to victimization, the social construction of victimization and "worthy victims," approaches to victimization within the criminal justice system, and impact of victimization on individuals and communities. The role of social inequalities is examined.

Prerequisite(s): CRJU 1103 >= C; Cross-Listed Course(s): CRJU 3600

SOCI 3950 - Selected Topics (0 to 3 Credit Hours)

A variable content course. Either 1) a faculty-initiated course which allows students the opportunity to enroll in specifically titled courses, or 2) a student-initiated directed study at an introductory level.

Prerequisite(s): Permission of instructor, and contractual agreement with department chair. *May be repeated for credit.*

Prerequisite(s): SOCI 1160 >= D

SOCI 4285 - Sociology of Sport (3 Credit Hours)

This course will examine sport as a social institution and cultural phenomenon. Topics will include sport and socialization, youth sports, deviance in sports, gender, race, and social class in sports, sports and the media, sports and religion, and sport in educational settings. Students will be encouraged to ask questions and think critically about sports as part of social life.

Prerequisite(s): (SOSC3001 >= C or SOSC3002 >= C or SOSC3003 >= C)

SOCI 4317 - Sociology of Health Care (3 Credit Hours)

In this course, students will focus on the provision of health care in the United States and will explore these topics: doctor-patient interactions; research on placebos, nocebos, and the significance of clinical rituals; the meaning and practice of complementary and alternative medicine; the training and work of physicians; the meaning and challenges of evidence-based medicine; the work of nurses, physician assistants, pharmacists, and midwives; health-care settings such as hospitals, assisted living facilities, and nursing homes; the problem of pricing health care and the role of markets; and various aspects of the effort to reform health care and policy in the United States.

Prerequisite(s): (SOSC3001 or SOSC3002 or SOSC3003)

SOCI 4336 - Gender and Victimization (3 Credit Hours)

A sociological analysis of crime victims and victim-service agencies. Traces the historical development of the field of victimology. Examines the influence of gender on victimization experiences and practices of criminal justice and victim-service agencies.

Prerequisite(s): (SOSC3001 >= C or SOSC3002 >= C or SOSC3003 >= C)

SOCI 4385 - Sociology of Religion (3 Credit Hours)

An introduction to the social scientific study of religion as a social institution and of the relationship of religion and people's experiences.

Prerequisite(s): (SOSC3001 >= C or SOSC3002 >= C or SOSC3003 >= C)

SOCI 4413 - Sociology of Education (3 Credit Hours)

This course focuses on the relationship between education and society in the United States, including public and private education in America. Particular emphasis will be placed on application of sociological theories and insights to the advancement of the goal of increased effectiveness of schools, teachers and students.

Prerequisite(s): (SOCI 1101 >= C or SOCI 1101H >= C or SOCI 1103 >= C or PSYC 1103 >= C) and SOCI 1160 >= C and EDUC2110 >= C and EDUC2120 >= C

SOCI 4421 - Gerontology (3 Credit Hours)

Examines the interaction between the social, physical, psychological, and programmatic aspects of aging. Emphasis is on programs, services, interactive techniques, legislation, and advocacy efforts which address the needs and concerns of older Americans, their family members, and service providers.

Prerequisite(s): SOCI 1101 >= C and PSYC 1101 >= C or (SOSC3001 >= C or SOSC3002 >= C or

SOSC3003 >= C)

SOCI 4436 - Obedience and Authority (3 Credit Hours)

An examination of the interactions among social structures, societal conditions and social selves that promote obedience to authority as well of those that build communities of dissent and resistance.

Prerequisite(s): (SOSC3001 >= C or SOSC3002 >= C or SOSC3003 >= C)

SOCI 4441 - Racial and Ethnic Minority Groups (3 Credit Hours)

This course focuses on the relationships between majority and minority groups in the United States. It will examine the historical and present conditions of society and the forces and motivations which have created and perpetuated minority groups status for various racial and ethnic groups and individuals.

Prerequisite(s): (SOSC3001 >= C or SOSC3002 >= C or SOSC3003 >= C)

SOCI 4442 - Gender and Society (3 Credit Hours)

Sociological insights and concepts will be employed in observing, interpreting, and analyzing the social processes creating, reinforcing and changing gender roles and the statuses of women and men in society.

Prerequisite(s): (SOSC3001 >= C or SOSC3002 >= C or SOSC3003 >= C)

SOCI 4443 - Social Movements (3 Credit Hours)

Sociological analysis of historical and contemporary social movements nationally and internationally. Special attention is given to the critical analysis of social movement theory and its application to understanding the diversity of social movements. Emphasis is placed on the etiology of social movements, their causes, consequences, and social implications.

Prerequisite(s): (SOSC3001 >= C or SOSC3002 >= C or SOSC3003 >= C)

SOCI 4451 - Sociology of Work and Occupation (3 Credit Hours)

An analysis of the social dimensions of work, the labor process, occupations and professions. Other topics covered include the social meaning and organization of work, and the relationships between the structuring of work, social mobility, and social stratification.

Prerequisite(s): (SOSC3001 >= C or SOSC3002 >= C or SOSC3003 >= C)

SOCI 4653 - Sociology of Golf (3 Credit Hours)

This course provides a topic of interest for students to explore basic foundational issues in sociology such as social stratification, race, gender, group dynamics, and deviance. Through a fun topic, theoretical concepts and research principles and skills are honed in this 4000 level course. This course also serves as a course in which students may master or polish their skills in critical thinking, computer skills, and communication.

Prerequisite(s): (SOSC3001 >= C or SOSC3002 >= C or SOSC3003 >= C)

SOCI 4723 - Senior Sociology Capstone (3 Credit Hours)

The capstone is designed to be the last course that students take in their major. It is meant to be the culmination of one's undergraduate career, and to prepare students for their transition into the next stages of their educational, civic, and professional life. This course was designed to prepare students to use their sociological knowledge beyond the university.

Prerequisite(s): SOCI3380 and SOCI3001 and (SOCI3002 or SOCI3003)

SOCI 4950 - Selected Topics (0 to 3 Credit Hours)

A variable content course. Either as a faculty initiated course which allows students the opportunity to enroll in specifically titled courses, or as a student initiated directed study. *May be repeated for credit.*

Prerequisite(s): SOCI 1101 >= C and SOCI 1160 >= C

SOCI 4960 - Undergraduate Internship (1 to 3 Credit Hours)

A service-learning experience based in an institution/agency, emphasizing the completion of specific tasks and the acquisition of specific knowledge, skills, and values under the supervision of the university, the

academic supervisor, and the cooperating institution/agency. Prerequisite(s): Permission of instructor.
May be repeated for credit.

SOCI 4990 - Undergraduate Research (3 Credit Hours)

Independent research on a topic of student choice selected in consultation with an instructor. The student must submit a contract proposal for the research project prior to enrolling in the course. Prerequisite(s): Junior or Senior Standing; 12 hours of advanced sociology; and contractual agreement with department chair. *May be repeated for credit up to 98 times.*
 Prerequisite(s): SOCI3002 >= C and SOCI3380 >= C

SOCI 6436 - Intimate Partner Violence (3 Credit Hours)

SOCIAL SCIENCES (SOSC)

SOSC 3001 - Methods in Social Science (3 Credit Hours)

An introduction to the scientific method in social research, logic of scientific inquiry; principles of designing research, relationship between theory and research, logic of sampling, defining and measuring variables, and sampling. Other topics discussed include data collection, modes of observation (experiments, survey research, field research, evaluation research) and ethics in social research.
 Prerequisite(s): (POLS2101 >= C or SOCI 1160 >= C)

SOSC 3002 - Quantitative Analysis in Social Sciences (3 Credit Hours)

An introduction to the analysis of social data, including the quantification of data for computer application, use of SPSS (statistical package) for analyzing data, logic of statistical inference. Additional topics covered include statistical techniques for analyzing data, including univariate, bivariate, and multivariate social statistics, and the reporting of research findings.
 Prerequisite(s): (POLS2101 >= C or SOCI 1160 >= C)

SOSC 3003 - Qualitative Analysis in Social Sciences (3 Credit Hours)

An introduction to qualitative research methodologies including formulating viable research questions; various issues related to ethical conduct and validity when conducting fieldwork; data gathering techniques through participant observation, interviews, and focus groups; coding and analysis of data; and writing research findings.
 Prerequisite(s): (POLS2101 >= C or SOCI 1160 >= C)

SOSC 3950 - Selected Topics in Social Science (Variable Title) (0 to 6 Credit Hours)

A variable content course. Either 1) a faculty initiated course which allows students the opportunity to enroll in specifically titled courses, or 2) a student initiated directed study at an introductory level. *May be repeated for credit.*
 Prerequisite(s): (CRJU1103 >= C or POLS2101 >= C or SOCI 1101 >= C or SOWK1101 >= C)

SOSC 4950 - Selected Topics in Social Sciences (0 to 6 Credit Hours)

A variable content course. Either 1) a faculty initiated course which allows students the opportunity to enroll in specifically titled courses, or 2) a student initiated directed study. *May be repeated for credit.*
 Prerequisite(s): SOSC3001 >= C

SOSC 4960 - Social Science Undergraduate Internship (0 to 12 Credit Hours)

An internship is a form of experiential learning that integrates knowledge and theory learned in the classroom with practical application and skills development in a professional setting under the supervision of the university and the cooperating institution or agency. Prerequisite(s): SOSC 3001 and permission of instructor. Must also be a junior or senior in good standing with the university. Specific agencies may employ their own screening and selection criteria in addition to those listed above. Completion of this

course is dependent upon acceptance by the cooperating institution/agency. *May be repeated for credit.*
Prerequisite(s): SOSC3001 >= C

SOCIAL WORK (SOWK)

SOWK 1101 - Introduction to Social Work Practices (3 Credit Hours)

Introduction to the discipline and professional social work and the programs and policies that social workers interface with regularly. The course examines the knowledge base of the social work profession, typical areas where social workers practice, an introduction to social work theory, and discussion of the programs and policies for social welfare.

SOWK 2100 - Social Welfare History and Philosophy (3 Credit Hours)

This course is designed as an introduction to the field of social welfare and its relationship to the profession of social work.

Prerequisite(s): SOWK1101 >= C

SOWK 2102 - Fundamentals of Social Work Practice (3 Credit Hours)

This course provides students with the fundamental knowledge, skills and values necessary for generalist social work practice. The focus of the course includes both the acquisition of analytical knowledge and the attainment of core interpersonal and problem solving skills. Development of self awareness and self knowledge related to growth in these skills and a beginning identity as a social work professional will also be emphasized.

Prerequisite(s): (SOWK1101 >= B)

SOWK 2950 - Selected Topics (1 to 3 Credit Hours)

A variable content course. Either 1) a faculty-initiated course which allows students the opportunity to enroll in specifically titled courses, or 2) a student-initiated directed study at an introductory level.

Prerequisite(s): permission of instructor and contractual agreement with department chair. Only one 2950 course may be included in the major. *May be repeated for credit.*

Prerequisite(s): SOWK1101 >= D

SOWK 3300 - Human Behavior in the Social Environment I (3 Credit Hours)

A study from a multi-theoretical perspective of the interaction of cultural, biological, psychological, social, spiritual, and environmental influences and how they work to promote or deter the development of individuals from birth through adolescence. Attention is given to the range of social systems in which people live. The impact of social and economic forces, oppression, gender, age, and social class on human adaptation will be examined as they relate to human behavior and social work interventions.

Prerequisite(s): (PSYC 1101 >= D or PSYC 1101H >= D) and (SOCI 1101 >= C or SOCI 1101H >= C) and BIOL1101 >= D and SOWK1101 >= C; Corequisite(s): SOWK3400

SOWK 3301 - Human Behavior in the Social Environment II (3 Credit Hours)

Human Behavior in the Social Environment II is the second semester of a two-part course designed to introduce the student to the theoretical models used by social workers in their understanding of human behavior. The course is taught using a multi-theoretical model, with an eco-systems perspective serving as an organizing framework.

Prerequisite(s): SOWK3300 >= C

SOWK 3331 - Youth and Society (3 Credit Hours)

A study of the history of changing conceptions of childhood, the family, and childhood socialization; the invention of adolescence and the various attributions to childhood and adolescence; and a survey of major developmental schemes of adolescence with an emphasis on characteristics of American adolescence as conducive to delinquency.

Prerequisite(s): SOWK1101 >= C

SOWK 3375 - Sociology of Death, Grief, and Caring (3 Credit Hours)

Examines the phenomenon of death as it relates to the social structure of selected cultures; the patterns of social interaction which surround and give meaning to various aspects of death, loss, grief, and caring; and the plans of action which individuals and societies develop to guide them as they confront death.

Prerequisite(s): (SOCI 1101 >= D or SOCI 1101H >= D or SOC101 >= D) or (SOWK1111 >= D or SOWK1101 >= D or SWK111 >= D) or (SOWK2234 >= D or SWK2234 >= D)

SOWK 3400 - Social Work Practice I (3 Credit Hours)

Drawing on material from the Human Behavior in the Social Environment sequence, this course focuses on the impact of social and economic forces on individuals and social systems, and the ways in which systems promote or deter people in the maintenance or attainment of optimal health and well-being.

Prerequisite(s): (SOWK2102 >= C)

SOWK 3401 - Generalist Practice in Groups (3 Credit Hours)

Expands the theoretical foundation and practice methodology for social work by focusing specifically on knowledge and skills to effect change in small groups.

Prerequisite(s): SOWK3400 >= C

SOWK 3402 - Generalist Practice in Communities (3 Credit Hours)

Social work practice with neighborhoods, communities, and human service agencies; program planning, implementation, and evaluation; advocacy; and grant writing.

Prerequisite(s): SOWK3400 >= C

SOWK 3500 - Social Welfare Policy (3 Credit Hours)

This course will help the BSW student gain the knowledge and skills needed to understand and influence social, economic, and political environments that affect the attainment of the client's goals.

Prerequisite(s): (SOWK2102 >= C)

SOWK 3501 - Child and Family Welfare (3 Credit Hours)

The welfare of both children and families is the focus of this course in which students use policy analysis skills and practice skills gained in prerequisite courses to analyze problems, issues, and policies specific to the area of child and family welfare.

Prerequisite(s): (SOWK3301 >= C and SOWK3401 >= C)

SOWK 3600 - Social Work Research I (3 Credit Hours)

Introduces students to how the research process enhances the knowledge base of social work. Students are introduced to the basic concepts and procedures of social work research and learn the quantitative and qualitative research approaches that are common to social work and the social sciences.

Prerequisite(s): (SOWK2102 >= C)

SOWK 3601 - Social Work Research II (3 Credit Hours)

Builds on the knowledge and skills developed in SOWK 3600, by introducing students to issues of data collection for both quantitative and qualitative research methods. Students will be exposed to data analysis for both research methodologies. Research proposals and the dissemination of research findings through reports and publications are also covered.

Prerequisite(s): (SOWK3600 >= C and SOWK3300 >= C and SOWK3400 >= C)

SOWK 3950 - Selected Topics (3 Credit Hours)

A variable content course. Either 1) a faculty initiated course which allows students the opportunity to enroll in specifically titled courses, or 2) a student initiated directed study at an introductory level.

Prerequisite(s): Permission of instructor; and contractual agreement with department chair. *May be repeated for credit up to 98 times.*

Prerequisite(s): SOCI 1160 >= C

SOWK 4421 - Gerontology (3 Credit Hours)

Examines the interaction between the social, physical, psychological, and programmatic aspects of aging. Emphasis is on programs, services, interactive techniques, legislation, and advocacy efforts which address the needs and concerns of older Americans, their family members, and service providers.

Prerequisite(s): (SOWK1111 >= D or SOWK1101 >= D or SOWK1101H >= D or SWK111 >= D or SOWK2234 >= D or SWK234 >= D or SOCI 1101 >= D or SOC101 >= D)

SOWK 4601 - Integrated Seminar I (3 Credit Hours)

This course is the first of two integrative seminars that students take in congruence with the field experience courses. The Integrative Seminar I focuses primarily on the value dimension of professional social work practice. Corequisite(s): SOWK 4701.

Prerequisite(s): (SOWK3301 >= C and SOWK3401 >= C and SOWK3601 >= C)

SOWK 4602 - Integrative Seminar II (3 Credit Hours)

This course is the second of two integrative seminars that students take in congruence with the field experience courses. Integrative Seminar II focuses primarily on the application and integration of the systems perspective, with a focus on the agency setting in which the student is placed in the field experience. Corequisite(s): SOWK 4702.

Prerequisite(s): (SOWK4601 >= C and SOWK4701 >= S)

SOWK 4701 - Field Placement I (6 Credit Hours)

The first of a two part internship designed to provide students opportunities to apply social work knowledge, values, and skills in a service delivery area, and supervised by a social worker. Students must complete 200 hours of field work for this course, which is arranged and monitored by the field coordinator.

Prerequisite(s): Twelve or more upper level hours in SOWK; SOWK 3301 >= C and SOWK 3401 >= C and SOWK 3601 >= C

Additional Course Fee: BSW Student Liability Insurance Fee - \$13.50 Flat Fee

SOWK 4702 - Field Placement II (6 Credit Hours)

The second field placement is designed to provide an advanced field experience. Students will be required to work 200 hours in the field, supervised by a social worker and monitored by the field coordinator. Students are expected to demonstrate competency in a variety of roles expected of a generalist social worker.

Prerequisite(s): SOWK4701 >= S

SOWK 4950 - Selected Topics (0 to 3 Credit Hours)

A variable content course. Either as 1) a faculty initiated course which allows students the opportunity to enroll in specifically titled courses, or 2) a student initiated directed study. Prerequisite(s): Junior or senior standing; 6 hours of advanced sociology or social work; permission of instructor; and contractual agreement with department chair. *May be repeated for credit.*

SOWK 4960 - Undergraduate Internship (3 Credit Hours)

A service-learning experience based in an institution/agency, emphasizing the completion of specific tasks and the acquisition of specific knowledge, skills, and values under the supervision of the university, the academic supervisor, and the cooperating institution/agency. *May be repeated for credit.*

SOWK 4990 - Undergraduate Research (1 to 3 Credit Hours)

Independent research on a topic of student choice selected in consultation with an instructor, who will supervise the research. The student must submit a contract proposal for the research project prior to enrolling in the course. Prerequisite(s): Junior or Senior standing; 12 hours of advanced social work courses; and permission of faculty sponsor. *May be repeated for credit up to 98 times.*

SPANISH (SPAN)

SPAN 1001 - Elementary Spanish I (3 Credit Hours)

Fundamentals of listening, speaking, reading, and writing Spanish in a proficiency-based classroom. Introduction to Spanish-speaking cultures. Designed for students who have never studied Spanish. Not open to native speakers. Heritage speakers and students who had Spanish in high school should take the placement exam. Students must earn a C or better in order to take SPAN 1002.

SPAN 1002 - Elementary Spanish II (3 Credit Hours)

A continuation of SPAN 1001. Not open to native speakers. Heritage speakers and students who had Spanish in high school should take the placement exam. Students must earn a C or better in order to take SPAN 2001.

Prerequisite(s): SPAN 1001 >= C

SPAN 2001 - Intermediate Spanish I (3 Credit Hours)

This proficiency-centered course is designed to build on high school Spanish or on SPAN 1002. More emphasis will be placed on listening, speaking, and reading skills in practical situations. Students will learn how to "get around" in places where Spanish is spoken natively. Not open to native speakers. Heritage speakers should take the placement exam.

Prerequisite(s): SPAN 1002 >= C

SPAN 2002 - Intermediate Spanish II (3 Credit Hours)

This proficiency-centered course includes a grammar review and more intensive work in listening comprehension, speaking, and reading, with more emphasis on writing than in SPAN 2001. Spanish-speaking cultures will be studied through music, art, film, literary and cultural readings, including current events. At the end of this course, students should have a basic competence in Spanish. Students who wish to take upper-division courses in Spanish will need to demonstrate sufficient proficiency as determined by the world language faculty before enrolling in major/minor courses. Not open to native speakers. Heritage speakers should take the placement exam. Students must earn a C or better in order to take classes at the 3000/4000 level.

Prerequisite(s): SPAN 2001 >= C

SPAN 2950 - Studies in Hispanophone Culture (3 Credit Hours)

A variable content course taught in English that will center on one Hispanophone country or area, or a specific issue dealing with Hispanophone culture. May not be counted towards the Spanish major and may not satisfy world language requirement. *May be repeated for credit.*

SPAN 3100 - Conversational Spanish (3 Credit Hours)

A course designed to enhance students' listening and speaking ability in Spanish. Emphasis on expressing hypotheses, opinions, and debate. NOT OPEN TO NATIVE SPEAKERS.

Prerequisite(s): SPAN 2002 >= C

SPAN 3150 - Spanish for Heritage Speakers (3 Credit Hours)

This course is for students who grew up speaking and/or listening to Spanish in their home but may have little to no exposure to Spanish used in more formal contexts. In this course, students will develop Spanish oral and written skills used in academic and professional settings. Special focus will be given to fostering skills related to academic writing, grammar, accents, and spelling. Students will also engage in research/community-based projects related to their personal bilingual experiences. This course is for heritage and native speakers of Spanish only. SPAN 3150 and SPAN 3100 are equivalent courses; a student may not receive credit for both.

Prerequisite(s): SPAN 2002 >= C

SPAN 3211 – Spanish-American Civilizations I (Pre-Columbian - 1821) (3 Credit Hours)

This course explores Spanish-American civilizations from pre-Columbian times to 1821. Emphasis is given to the critical analysis of cultural practices and cultural production in the region, and to the causes that led

Spanish-American nations to gain their political independence from Spain. While challenging the notion that America was discovered, and while questioning the right of the Spanish Crown to rule in Spanish America, a holistic assessment of the miscegenation and transculturation processes that shaped Spanish America is made throughout this course.

Prerequisite(s): SPAN 2002 >= C

SPAN 3212 – Spanish-American Civilizations II (1821 - Present) (3 Credit Hours)

An exploration of Spanish-American civilizations and cultures from 1821 to the present. Emphasis is given to the critical analysis of cultural practices and production in Spanish-American countries after gaining their independence from Spain. While revising the traditional concept of nation, this course engages students in informed debate on the social conflicts, the political alliances and upheavals, as well as the economic potential and inequalities that have shaped the construction of national identity in the region.

Prerequisite(s): SPAN 2002 >= C

SPAN 3220 - The Culture and Civilization of Spain (3 Credit Hours)

A study of the culture and civilization of Spain through its history, geography, customs, art, and music. Emphasis is given to the understanding of Spain's civilization since the Middle Ages and the formation of the diverse national identities. Students will engage in a critical analysis of hispanic civilization, which will allow for the reassessment and evaluation of problems such as social diversity, identity, and religious tolerance. It will also focus on issues concerning Spain and the Hispanic world in a broader historical context to understand the contribution of Spain to western civilization.

Prerequisite(s): SPAN 2002 >= C

SPAN 3300 - Spanish Composition (3 Credit Hours)

A course designed to promote the student's ability to express themselves proficiently in written Spanish and become acquainted with different styles. Emphasis on advanced grammar. Some expository and/or argumentative essay writing, letter writing, creative writing, and research-related writing.

Prerequisite(s): SPAN 2002 >= C

SPAN 3510 - Introduction to Literature (3 Credit Hours)

A study of the theoretical and practical foundations of literature, including poetry, narrative, drama and essay. Prepares students for analysis and literary criticism.

Prerequisite(s): SPAN 2002 >= C

SPAN 3520 – Spanish-American Theater (3 Credit Hours)

This course examines Spanish-American drama in both its textual and performative aspects, tracing its relationships to society, history, culture, and contemporary public issues. It focuses on the reading and critical examination of representative plays and dramatists from the 20th century. The course also explores the differences between theater and narrative fiction.

Prerequisite(s): SPAN 2002 >= C

SPAN 3610 – Spanish for Business (3 Credit Hours)

An introduction to the professional terminology and language skills used in business settings in Spanish, while surveying economics and business concepts. Cultural aspects are addressed to enhance students' awareness of business communication practices in Spanish-speaking contexts, both local and abroad.

Prerequisite(s): SPAN 2002 >= C

SPAN 3620 – Spanish for the Medical Professions (3 Credit Hours)

A course designed for students seeking to acquire or expand their knowledge of medical terminology in Spanish and the language used in everyday professional health-related situations. Cultural aspects are addressed to enhance students' awareness of Hispanic diversity and cultural perspectives in order to improve effective communication in Spanish between medical professionals and patients.

Prerequisite(s): SPAN 2002 >= C

SPAN 3950 - Studies in Hispanophone Culture (3 Credit Hours)

Intermediate level study abroad course denoting junior level work. *May be repeated for credit up to 3 times.*

Prerequisite(s): SPAN 2002 >= C

SPAN 4100 - Advanced Conversational Spanish (3 Credit Hours)

A course designed to enhance students' listening and speaking ability in Spanish at an advanced level. Emphasis on expressing hypotheses, opinions, and debate. NOT OPEN TO NATIVE SPEAKERS.

Prerequisite(s): SPAN 3100 >= C

SPAN 4300 - Advanced Composition (3 Credit Hours)

An advanced course that emphasizes critical reading, expository and creative writing. The students will use skills such as summarizing, criticizing, comparing, contrasting and expressing their opinions. This course is designed to help students write better. Emphasis on the development of reading and writing skills.

Prerequisite(s): SPAN 3300 >= C

SPAN 4400 - Introduction to Hispanic Linguistics (3 Credit Hours)

An introduction to linguistics using data from the Spanish language: phonetics, syntax, the history of Spanish, and dialectology.

Prerequisite(s): SPAN 2002 >= C

SPAN 4410 - The Sound System of Spanish (3 Credit Hours)

Discussion of the sound systems of the contemporary varieties of the Spanish language. Topics include articulatory and acoustic phonetics, intonation, dialectology, previous and current phonological theory.

Prerequisite(s): SPAN 4400 >= C

SPAN 4420 - Applied Linguistics (3 Credit Hours)

A study of basic applied linguistics. Emphasis on grammatical difficulties encountered by non-native speakers of Spanish. Prerequisite(s): Three upper division classes in Spanish with a grade of C or better.

Prerequisite(s): SPAN 2002 >= C

SPAN 4560 - Hispanic American Literature (3 Credit Hours)

A study of Hispanic American literature since modernism until the so called post-boom generation, including poetry, narrative and essay, and concepts like neo-baroque, magical realism and boom, among others.

Prerequisite(s): SPAN 2002 >= C

SPAN 4600 - Translation Theory and Methodology (3 Credit Hours)

Explores the basic principles of translation, focusing on theory, methods, challenges, and problems involved in rendering written texts from Spanish into English and vice versa. Emphasis is placed on maintaining the basic ideas, intent, stylistic level, and linguistic register. The course focuses on Spanish to English translation.

SPAN 4630 - Seminar in Translation (3 Credit Hours)

Provides the opportunity to apply the theory and methodology learned in SPAN 4600. Emphasis is placed on the translation of material intended for the general public. The course focuses on specialized material from fields such as business, literature, and medicine. Students practice Spanish to English and English to Spanish translation.

Prerequisite(s): SPAN 4600 >= C

SPAN 4700 - Interpretation: Theory and Methodology (3 Credit Hours)

Explores the basic and more advanced principles of interpretation. Topics include: theory, methods, challenges, problems, and the satisfaction involved in rendering oral statements from Spanish into English and vice-versa. Emphasis on maintaining the basic ideas, intent, stylistic level, and linguistic register.

Prerequisite(s): SPAN 2002 >= C or placement; Cross-Leveled Course(s): SPAN 6700

SPAN 4720 - Latin American Film (3 Credit Hours)

This course explores the development of Latin American film industries, as well as social and political historical processes in the region as reflected in selected cinematic master pieces. In addition, students develop skills to assess the adaptation of literary works into screenplays, and become conversant with cinematic elements, techniques and film jargon that enable them to critically analyze films and to write comprehensive film reviews, addressing both the artistic and the sociological value of movies.

Prerequisite(s): SPAN 2002 >= C

SPAN 4730 - Seminar in Interpretation (3 Credit Hours)

Provides the opportunity to apply the theory and methodology learned in SPAN 4700. Emphasis is placed on interpretation of material taken from journals, newspapers, digital media, government publications, pre-recorded audio and video speeches and dialogues, and live presentations. The course focuses on specialized material from the fields of business, law, medicine, agriculture, environmental issues, and entertainment. Students practice Spanish to English and English to Spanish interpretation.

Prerequisite(s): SPAN 4700 >=C

SPAN 4801 - Methods and Materials for Teaching World Language I (2 Credit Hours)

Methods and materials for listening, speaking, reading, writing, and cultural activities appropriate for World Language learners. First and second language acquisition theories, a review of world language teaching methods, testing procedures and teacher preparation and evaluation. A field experience of 25 clock hours is a required component of the course. ENGL 4801/FREN 4801/SPAN 4801 are equivalent courses; a student may only receive credit for one.

SPAN 4802 - Methods and Materials for Teaching World Language II (2 Credit Hours)

Methods and materials for listening, speaking, reading, writing, and cultural activities appropriate for World Language learners. Advanced instruction in first and second language acquisition theories, a review of world language teaching methods, testing procedures and teacher preparation and evaluation. A field experience of 25 clock hours is a required component of the course. ENGL 4802/FREN 4802/SPAN 4802 are equivalent courses; a student may only receive credit for one.

SPAN 4950 - Selected Topics (3 Credit Hours)

A variable-content course, intended to meet the interests of students minoring or majoring in Spanish and desiring to make an intensive study of some special area of Spanish language or literature. *May be repeated for credit.*

Prerequisite(s): SPAN 2002 >= C

SPAN 4960 - Undergraduate Internship (1 to 3 Credit Hours)

Service-learning experience based in an off-campus agency/organization. The experience entails completion of a specific set of tasks under the supervision of Augusta University faculty and the cooperating agency/organization. Maximum of three credit hours. Only three hours may be used towards the major. Prerequisite(s): Four upper-division classes in Spanish with a grade of B or better and permission of the instructor. *May be repeated for credit.*

SPAN 6700 - Advanced Interpretation Theory and Professional Practice (3 Credit Hours)

This course offers an in-depth exploration of the advanced principles and practices of interpretation, with a strong focus on professional contexts. Students will critically engage with interpretation theories, methodologies, and the complex cognitive and ethical challenges inherent to the field. Special attention will be given to interpreting in specialized settings (legal, medical, and technical domains). The course emphasizes navigating high-stakes interpretation scenarios with accuracy and professionalism. Prerequisite(s): Admission to the MAT program; Cross-Leveled Course(s): SPAN 4700

SPAN 6801 - Methods and Materials for Teaching World Languages I (3 Credit Hours)

Methods and materials for listening, speaking, reading, writing, and cultural activities appropriate for elementary and middle school learners. First and second language acquisition theories, a review of world language teaching methods, testing procedures, and teacher preparation and evaluation. A field experience of 45 clock hours is a required component of the class.

Cross-Listed Course(s): FREN 6801

SPAN 6802 - Methods and Materials for Teaching World Languages II (3 Credit Hours)

Methods and materials for listening, speaking, reading, writing, and cultural activities appropriate for secondary learners. First and second language acquisition theories, a review of world language teaching methods, testing procedures, and teacher preparation and evaluation. A field experience of 45 clock hours is a required component of the class.

Cross-Listed Course(s): FREN 6802

SPAN 6950 - Selected Topics (3 Credit Hours)

A variable advanced seminar, intended to meet the interests of graduate students desiring to make an intensive study of a specific area of Spanish linguistics or literature. May be repeated for credit.

Prerequisite(s): Baccalaureate degree in Spanish or equivalent. *May be repeated for credit.*

SPECIAL DENTAL STUDIES (SPDS)

SPDS 5001 - Special Dental Studies (1 to 6 Credit Hours)

SPECIAL EDUCATION (SPED)

SPED 3001 - Policies and Procedures in Special Education (3 Credit Hours)

This course is an introduction to the legislations, policies, and procedures in special education. The current trends and practices of special education in today's schools are addressed. Also examined are the historical foundations of special education, multicultural issues, and perspectives toward special education services. A 25-hour field experience with P-12 students is required in the course.

SPED 3002 - Teaching Students with Disabilities in the Inclusive Classroom (3 Credit Hours)

Methods for teaching students with disabilities in inclusive settings are described. Definitions and characteristics of students with disabilities are discussed, as well as integration strategies that create safe, equitable and positive learning environments for all students including those at risk of developing disabling conditions. Examined are research-based instructional strategies, models, theories, and philosophies of educating students with disabilities, and how to accommodate and modify to improve outcomes. A 25-hour field experience with P-12 students is required in the course. Candidates must earn a grade of B or better in this course to meet Georgia certification requirements; see 505-2-.24 Special Georgia Requirements for details.

SPED 3003 - Educational Assessment in Special Education (3 Credit Hours)

An introductory course which includes basic assessment terminology, administration of frequently used diagnostic instruments, strengths and weaknesses of various assessment tools, and evaluation and instructional recommendations. A 25-hours field experience with P-12 students is required in the course. Cross-Leveled Course(s): SPED 5003

SPED 3004 - Collaboration and Consultation in Special Education (3 Credit Hours)

This is an in-depth course on techniques for implementing best practices for effective collaboration, consultation, and co-teaching skills. It examines the barriers to effective collaboration and possible solutions when working with classroom teachers, paraprofessionals, administrators, volunteers, and parents. Furthermore, this course explores co-teaching models and how they can be effectively implemented in the classroom.

Cross-Leveled Course(s): SPED 5004

SPED 3005 - Educational Planning for Exceptional Students (3 Credit Hours)

This course is designed to prepare special educators who are knowledgeable and competent in preparing Individualized Education Plans and lesson plans for individuals with disabilities. Learning environments and assessment data will be analyzed in order to develop high quality instructional plans that include specialized strategies based on collaboration among stakeholders and improving communication for individuals with disabilities. A 25-hour field experience with P-12 students is required for the course.

SPED 3006 - Language Development and Communication Disorders (3 Credit Hours)

In this course, students will study typical language and communication development and the communication disorders associated with children in special education. Students will learn how teachers can design and implement programs to support students in language and communication development. Thirty hours of field experience is required. Prerequisite(s): Admission to undergraduate program.

SPED 3008 - Assessment and Instruction in Literacy for Students with Mild Disabilities (3 Credit Hours)

This course addresses the fundamentals of literacy, including early literacy and essential components of readings. We also discuss evidence-based reading strategies, tiered intervention, data-based decision, and progress monitoring for students who have reading difficulties. A 25-hour field experience with P-12 students is required in the course.

SPED 3009 - Family and Community Engagement for Exceptional Children (3 Credit Hours)

This course focuses on family and community engagement to meet the needs of exceptional children. Content will be from a variety of literatures in education with focuses on early literacy, family involvement, access to books and expanded learning, as well as mentoring partnerships. A 25-hour field experience with P-12 students is required in the course.

SPED 3110 - Characteristics of Students with Mild Disabilities (3 Credit Hours)

An introductory course in mild disabilities which covers perspectives on disability and issues in identification, instruction, and placement. Cognitive and perceptual characteristics, language characteristics, academic learning characteristics, and social-emotional characteristics of students with mild disabilities will be discussed in this course. A 25-hour field experience with P-12 students is required in the course.

SPED 3120 - Methods of Instruction for Students with Mild Disabilities (3 Credit Hours)

This course is designed to prepare educators who are knowledgeable and competent in teaching students with mild disabilities in a variety of collaborative settings. This course encompasses research-

based methodologies, learning strategies, the development of teacher-made materials, and the utilization of commercial materials. A 25-hour field experience with P-12 students is required in the course.

SPED 3130 - Classroom and Behavior Management (3 Credit Hours)

This course is designed to assist the pre-service teacher in developing the knowledge, skills, and attitudes required to assess, plan, and implement successful behavior management programs and strategies in the classroom. The creation of a positive classroom atmosphere in which students will learn and make behavioral choices is stressed. A 25-hour field experience with P-12 students is required in the course.

SPED 4005 - Family Literacy (3 Credit Hours)

This course is designed to examine research-based practices for teachers/families/caregivers in enhancing early literacy and intervention techniques applicable to infants, toddlers, and preschoolers with special needs. Thirty hours of field experience is required.

SPED 4007 - Literacy Fundamentals (3 Credit Hours)

This course surveys research-based reading strategies for teaching literacy skills (e.g., reading, writing, listening, speaking, critical thinking, spelling) to students (P-12). Special attention will be given to selecting and using intervention tools for literacy instruction with students who experience literacy problems. Prerequisite(s): Permission of instructor. Thirty hours of field experience is required.

SPED 4491 - Student Teaching in Special Education (13 Credit Hours)

Students are placed with selected master teachers for an entire semester during which time they are teaching in the curriculum areas for which they are seeking certification. During the semester, the apprentice teacher, under the supervision of the master teacher, assumes the responsibilities of professional teaching practice. Six hundred eighty hours of field experience is required. Prerequisite(s): Completion of all courses in program with a 2.5 GPA or better.

Corequisite(s): EDTD 4940; Additional Course Fee: Student Teaching Fee - \$200 Flat Fee

SPED 4950 - Selected Topics in Special Education (3 Credit Hours)

This course examines problems in light of recent knowledge and research in special education. The focus is on specifically designated areas of special education. 30 hours of field experience is required. *May be repeated for credit.*

SPED 5001 - Policies and Procedures in Special Education (3 Credit Hours)

This course is an introduction to the legislations, policies, and procedures in special education. The current trends and practices of special education in today's schools are addressed. Also examined are the historical foundations of special education, multicultural issues, and perspectives toward special education services. A 25-hour field experience with P-12 students is required in the course.

SPED 5002 - Instructional Strategies for Teaching Students with Disabilities in General Education Settings (3 Credit Hours)

Methods for teaching students with special needs in the general education classroom setting are described. Included are characteristics of the most common disabilities, as well as collaborative interactions with special education teachers. The course covers pre-referral and referral procedures; research-based instructional methodologies; materials, strategies, and techniques; and assistive technologies. 25 hours of field experience is required in a general classroom containing students with disabilities. Candidates must earn a grade of B or better in this course to meet Georgia certification requirements; see 505-2-.24 Special Georgia Requirements for details. *May be repeated for credit up to 1 time.*

SPED 5003 - Educational Assessment in Special Education (3 Credit Hours)

An introductory course which includes basic assessment terminology, administration of frequently used diagnostic instruments, strengths and weaknesses of various assessment tools, and evaluation and

instructional recommendations. A 25-hour field experience with P-12 students is required in the course.
Cross-Leveled Course(s): SPED 3003

SPED 5004 - Collaboration and Consultation in Special Education (3 Credit Hours)

This is an in-depth course on techniques for implementing best practices for effective collaboration, consultation, and co-teaching skills. This course will examine the barriers to effective collaboration and possible solutions when working with classroom teachers, paraprofessionals, administrators, volunteers, and parents. Furthermore, this course will examine co-teaching models and how they can be effectively implemented in the classroom. A 25-hour field experience with P-12 students is required in the course.

SPED 5005 - Educational Planning for Exceptional Students (3 Credit Hours)

This course is designed to prepare special educators who are knowledgeable and competent in preparing Individualized Education Plans and lesson plans for individuals with disabilities. Learning environments and assessment data will be analyzed in order to develop high quality instructional plans that include specialized strategies based on collaboration among stakeholders and improving communication for individuals with disabilities. A 25-hour field experience with P-12 students is required for the course.

SPED 5006 - Language Development and Communication Disorders (3 Credit Hours)

Students will study how language typically develops, theories related to etiology of language disorders, and the effects of language disorders on functioning for children with disabilities. Students will learn approaches for remediating language disabilities and will apply them in authentic settings. Thirty hours of field experience is required.

SPED 5008 - Assessment and Instruction in Literacy for Students with Mild Disabilities (3 Credit Hours)

This course addresses the fundamentals of literacy, including early literacy and essential components of readings. We also discuss evidence-based reading strategies, tiered intervention, data-based decision, and progress monitoring for students who have reading difficulties. A 25-hour field experience with P-12 students is required in the course.

SPED 5009 - Family and Community Engagement for Exceptional Children (3 Credit Hours)

This course focuses on family and community engagement to meet the needs of exceptional children. Content will be from a variety of literatures in education with focuses on early literacy, family involvement, access to books and expanded learning, as well as mentoring partnerships. A 25-hour field experience with P-12 students is required in the course.

SPED 5013 - SPED MAT Culminating Residency (4 Credit Hours)

An intensive practicum course designed for graduate candidates who are seeking teacher certification in Special Education (SPED) General Curriculum. A mentor teacher and university faculty member will work with the candidate to support the culminating residency. Candidates are supervised as they plan, reflect, and refine their teaching practice. Successful completion of all program course requirements is expected prior to Culminating Residency.

Corequisite(s): EDTD 5940

Additional Course Fee: Student Teaching Fee - \$200 Flat Fee

SPED 5110 - Characteristics of Students with Mild Disabilities (3 Credit Hours)

An introductory course in mild disabilities which covers definitions, historical development of the area of mild disabilities as a field of study, and major contributors; various theories and philosophies affecting the field; and current trends and issues. Thirty hours of field experience is required.

SPED 5120 - Methods of Instruction for Students with Mild Disabilities (3 Credit Hours)

This course is designed to prepare educators who are knowledgeable and competent in teaching students with mild disabilities in a variety of collaborative settings. This course encompasses research-based methodologies, learning strategies, the development of teacher-made materials, and the utilization of commercial materials. A 25-hour field experience with P-12 students is required in the course.

SPED 5130 - Classroom and Behavior Management (3 Credit Hours)

This course is designed to assist the pre-service teacher in developing the knowledge, skills, and attitudes required to assess, plan, and implement successful behavior management programs and strategies in the classroom. The creation of a positive classroom atmosphere in which students will learn and make behavioral choices is stressed. A 25-hour field experience with P-12 students is required in the course.

SPED 6007 - Literacy Fundamentals I (P-12) (3 Credit Hours)

This course is designed to examine research on literacy instruction in P-12 settings. It is particularly focused on techniques that have proven to be effective with students experiencing problems in acquiring literacy skills. Thirty hours of field experience is required.

SPED 6026 - Introduction to Theory and Practices for Teaching Students with Disabilities (3 Credit Hours)

This course provides certified teachers an in-depth look at the historical and theoretical development of special education. Students will examine the principles and theories of learning that serve as the basis for educational models and practices used in special education practice. Special emphasis is given to recent empirical findings and their practical applications to current educational settings.

SPED 6028 - Advanced Assessment in Special Education (3 Credit Hours)

This course emphasizes elements such as: (a) the components of direct instruction, (b) systematic analysis of direct instruction techniques, (c) assessment of student response, (d) direct instruction methodologies, strategies, and techniques and troubleshooting, (e) formal and informal assessment, and (f) adapting instruction to improve outcomes.

SPED 6500 - Advanced Studies in Special Education (3 Credit Hours)

This course is designed of the cross-categorical model of service delivery for students with emotional/behavioral disorders, mild intellectual disabilities, and learning disabilities. Emphasis is on the similarities and differences of the three categories in historical treatment, definition, characteristics, incidence, prevalence etiology, and implications for teaching. Current issues and trends in special education will be studied.

SPED 6950 - Selected Topics in Special Education (3 Credit Hours)

This course examines problems in the light of recent knowledge and research in special education. The focus is on specifically designated areas of special education. Thirty hours of field experience is required. *May be repeated for credit.*

SPORTS MANAGEMENT (SPMT)

SPMT 2100 - Introduction to Sport Management (3 Credit Hours)

Introduction to sport management, covering its history, foundational principles, and the diverse segments of the sport industry, from youth to professional levels. The course also addresses international sports, ethical issues, and the AU Sport Management program, offering educational and experiential opportunities crucial for future sport managers. The management skills gained are widely applicable across various businesses and organizations.

SPMT 3400 - Current Issues in Sports Management (3 Credit Hours)

Explores the most pressing trends and challenges in the sports industry today, including athlete compensation, diversity and inclusion, mental health, technological innovations, and the global nature of sports. Through critical analysis and case studies, students gain practical insights into how these issues impact sports organizations and management practices. By the course's conclusion, students are equipped with the skills and knowledge to effectively navigate the evolving sports management landscape.

SPMT 3450 - E-Sport Management (3 Credit Hours)

An introduction to E-Sport Management, covering the unique aspects of the rapidly growing esports industry. Students explore the history, structure, and key stakeholders of esports, as well as essential management principles, including event planning, marketing, and legal considerations. The course prepares students for careers in the dynamic world of esports by providing foundational knowledge and practical insights into this evolving industry.

SPMT 3500 - Sports Ethics (3 Credit Hours)

The course is designed to provide an examination and discussion of ethical, managerial and moral issues related to individuals who work and participate in the area of sport and physical activity. A primary focus will be sport as a tool for social change. Through readings, interactive discussions, and case studies, students will develop the knowledge and skills to better understand and apply sound principles as they relate to moral character and corresponding ethical issues.

SPMT 3510 - Sport Marketing (3 Credit Hours)

This course is designed to introduce students to the application of the principles of marketing to the managed sport industry with emphasis on intercollegiate athletics, professional sport, and multi-sport club operations. The function of the course is to provide students with an up-to-date understanding of marketing concepts as they are currently being applied in various sport management contexts; and it is intended to provide a foundation for those students who plan to do advanced study and work in marketing, consumer behavior and related fields.

SPMT 3550 - Legal Issues in Sports (3 Credit Hours)

Introduces the U.S. legal system, statutes, standards, and case law that establish legal responsibilities, rights, privileges, and controls related to the field of sport management. Students study and analyze the law as it pertains to sport/physical activity programs, as well as examine how courts have interpreted and applied laws.

SPMT 4140 - Organizational Behavior in Sport (3 Credit Hours)

This course equips students with essential skills to analyze organizational behavior and lead effectively in the sport industry. Students learn to make strategic decisions, influence and motivate others, manage organizational culture, and optimize team performance. The course also addresses the challenges of health and safety, technology, climate change, and diversity, equity, and inclusion, preparing students to drive meaningful change and achieve success in the dynamic world of sport management.

SPMT 4510 - Financial Management of Sport (3 Credit Hours)

This course will provide an in-depth view of the sport industry, team and business finances, and impact of fan loyalty and sponsorship on revenues. Various topics related to sport finance will be examined including facilities, policies, team salaries, and collegiate sport finances. Students will review case studies and analyze the principles of economics and finance focusing on the application of those principles to the sport industry.

SPMT 4540 - Management of Sport and Physical Activity Organizations (3 Credit Hours)

Sports event management introduces students to the planning and management of sport events through the strategic and systematic process of event management that includes phases and structural domains

associated with the EMBOK model. Students learn key managerial issues associated with project management, logistics, risk management, sustainability, sponsorship, human resources, and contracts among other topics through case studies, readings, discussions, lectures, and assignments.

SPMT 4600 - International Sport Management (3 Credit Hours)

An in-depth overview of how sport is organized, managed, funded, and governed globally. Students explore the international sport environment, focusing primarily on sports outside the USA. Topics include: global sports events, governance, key organizations, business and financial aspects, marketing, and cultural significance. By the end of the course, students will gain a comprehensive understanding of international sport systems, key trends, and the global sport calendar.

SPMT 4710 - Management and Governance of Sport Organizations (3 Credit Hours)

Explores the key factors behind the success and failure of sport organizations, focusing on the dynamic relationship between strategy and environment. Students learn to evaluate threats, opportunities, strengths, and weaknesses for strategic decision-making. Emphasizing entrepreneurship and innovation, the course covers strategy formulation and implementation, integrating knowledge from core sport management areas to provide a comprehensive understanding of strategic management's role in achieving sustained success.

Grade Mode: N- Normal (A, B, C, D, F)

SPMT 4960 - Internship in Sports Management (6 Credit Hours)

The purpose of the internship is to provide the student with experience in the sports management field. The internship will further the development of professional and educational competence and provide students an opportunity to apply the knowledge/skills learned from their coursework to their chosen profession. All internship locations must be pre-approved by an advisor and site coordinator.

STATISTICS (STAT)

STAT 4020 - Statistics and Research Methodology (3 Credit Hours)

This course provides an introduction to research methodology and principles including basic methods of statistical analysis. Topics include descriptive and inferential statistics, basic probability, nonparametrics, epidemiology, and research designs. Students will create data summaries and perform statistical analyses using a statistical software package.

Prerequisite(s): MATH 1111 >= C

STAT 6300 - Introduction to Epidemiology and Biostatistics (3 Credit Hours)

This course introduces the basic principles and methods of epidemiology and biostatistics. Introduction to epidemiology will cover topics on uses of epidemiology, measures of morbidity and mortality, descriptive epidemiology, screening, outbreak investigation, and study designs. Introduction to biostatistics will cover topics on methods to summarize data using descriptive statistics, basic concepts of hypothesis testing, and statistical methods appropriate for different data types.

STAT 7010 - Biostatistics I (3 Credit Hours)

An introduction to the basic statistical techniques used to analyze and interpret data in the health sciences and related fields. Emphasis is on application of these methods. Topics include: graphical methods, probability, discrete and continuous distribution, inferential statistics (estimation and hypothesis testing) for numeric and categorical data, non-parametric methods, analysis of variance, regression, correlation and critical reading of the research literature.

STAT 7020 - Biostatistics II (3 Credit Hours)

This course is the second course in a two-course sequence in Biostatistics that offers an introduction to some of the more advanced statistical techniques used to analyze and interpret data in the health sciences and related fields. Emphasis is on applications of these methods. Topics include factorial

ANOVA, multiple linear regression and correlation, ANCOVA, logistic regression, longitudinal data analysis, survival analysis, clinical trials, experimental design, epidemiology, diagnostic tests, and critical reading of the research.

Prerequisite(s): STAT7010 >= C

STAT 7030 - Seminar in Clinical and Translational Science (2 Credit Hours)

This course consists of clinical and translational research seminars by faculty members and visiting researchers. Students will have an opportunity to talk to each speaker informally and to serve as hosts to visiting scientists. *May be repeated for credit.*

STAT 7040 - Mentored Research in Clinical and Translational Science (1 to 12 Credit Hours)

Students work closely with their faculty mentors and advisory committee on an in-depth study of a research question of interest to both student and mentors. The course may be repeated as necessary until the student completes the research. Prerequisite: Permission of clinical and translational science program and admission in the clinical and translational science program. *May be repeated for credit.*

STAT 7060 - Research Design and Statistics (1 Credit Hour)

The primary objective of this course is to provide students with an understanding of basic concepts and methods of statistical inference in the biomedical health sciences. Upon completion of the course, students should be able to understand, interpret, and critique the results of application of statistical techniques as found in the health sciences literature. This course is comprised of eight WebCT modules with voice-overs and remote administration/testing capabilities. Prerequisites: College algebra and permission of the instructor.

STAT 7070 - Biomedical Statistics (3 Credit Hours)

This course offers an introduction to the majority of statistical techniques used to analyze and interpret data in the biomedical-sciences and related fields. Emphasis is on applications of these methods, with the following topics covered: graphical methods, probability, discrete and continuous distributions, inferential statistics (estimation and hypothesis testing) for numeric and categorical data, non-parametric methods, analysis of variance, regression, and correlation.

STAT 7110 - Statistical Models and Methods (3 Credit Hours)

This course offers an introduction to the basic statistical techniques used to analyze and interpret data in scientific research. Emphasis is on statistical reasoning and applications of statistical methods including graphical visualization, estimation and hypothesis testing, categorical data analysis, non-parametric methods, analysis of variance, regression, and correlation

STAT 7130 - Introduction to Epidemiology (3 Credit Hours)

This course introduces the basic principles of epidemiology and demonstrates its applicability in the field of public health. Topics to be covered include uses of epidemiology, measures of morbidity and mortality, descriptive epidemiology, epidemiological data sources, study designs, screening and its characteristics, and sources of and ways to address bias in research. Students will also learn about disease causation, epidemiologic triad in disease causality, and outbreak investigation.

STAT 7240 - Introduction to Clinical Trials (3 Credit Hours)

This introductory course will address basic and advanced statistical techniques used in clinical trials. Material presented will include the principles underlying the planning, management and implementation of clinical trials, the application of basic statistical methods used in the analysis of data from clinical trials, and the interpretation of results.

Prerequisite(s): (STAT7110 >= C or STAT7010 >= C)

STAT 7260 - Design Analysis and Observational Studies (3 Credit Hours)

Advantages and disadvantages of prospective and retrospective study designs; design and analysis

issues in both cohort and case-control studies, including proper selection of study subjects, data quality, sources and types of bias, controlling for confounding, maximizing participation and minimizing loss to follow-up in prospective studies, power and sample size; statistical methods including categorical data analysis, logistic regression, Cox regression; use of statistical packages such as SAS and StatXact for analysis. Review and discussion of current representative studies.

Prerequisite(s): (STAT7010 $\geq$ C or STAT7110 $\geq$ C) and EPID7130 $\geq$ C

STAT 7350 - Epidemic Investigation (3 Credit Hours)

The course will provide students with the foundations in epidemic investigation with emphasis on infectious diseases. The course will start by defining causative agents, disease occurrence, reservoir, and mode of transmission and provide examples of outbreaks and end with detailed description of methods of control (preventive and control measures) and steps of outbreak investigation.

Prerequisite(s): STAT7130 $\geq$ C and STAT7010 $\geq$ C

STAT 7360 - Systematic Reviews (3 Credit Hours)

This course covers systematic reviews of the literature for controlled clinical trials and observational studies. Statistical methods and computer software is reviewed and how to use systematic reviews in practice is detailed. Topics to be covered are introduction to systematic reviews and meta analysis, systematic reviews of controlled clinical trials, investigating variability between studies, systematic reviews of observational studies, statistical methods and computer software, using systematic reviews in practice, the Cochrane Collaboration, and other evidence-based medicine topics.

Prerequisite(s): STAT7240 $\geq$ C

STAT 7370 - Intermediate Epidemiology (3 Credit Hours)

Illustrates concepts, methods, and strategies used in epidemiology studies, beyond the principles discussed in basic epidemiology courses. Topics include basic study designs, analysis of birth cohorts, measures of disease frequency and association, bias, confounding, effect modification and interaction, stratification and adjustment, quality control, and reporting of epidemiologic results. In the exercises, students work in small groups, further considering and discussing the topics and concepts covered in lectures.

Prerequisite(s): STAT7110 $\geq$ C and STAT7130 $\geq$ C

STAT 7520 - Statistical Theory I (3 Credit Hours)

Fundamentals of random variables and probability theory, discrete and continuous distributions, exponential families; joint, marginal, and conditional distributions, functions of random variables, transformation and change of variables, order statistics, convergence concepts, central limit theorem, sampling distributions.

STAT 7533 - Medical Genetics and Genetic Epidemiology (3 Credit Hours)

Advanced statistical analyses specific for medical and health data and designs involving humans. Topics included are linkage analyses, association studies, linkage disequilibrium mapping, segregation analyses, and gene and environment interaction.

Prerequisite(s): STAT8432 $\geq$ C

STAT 7620 - Statistical Theory II (3 Credit Hours)

Point and interval estimation, hypothesis and significance testing maximum likelihood and moment estimators, Bayes estimators, unbiased estimators, sufficiency and completeness, Fisher information, uniformly most powerful tests, likelihood ratio tests, asymptotic inference, introduction to Bayesian inference.

Prerequisite(s): STAT7520 $\geq$ C

STAT 7630 - Applied Linear Models (3 Credit Hours)

This course will cover simple linear regression with extension to multiple linear regression models including model selection, validation, diagnostics and remedial measures. Additionally, one-way analysis

of variance (ANOVA), multiple treatment comparisons, factorial ANOVA, randomized complete-block designs, analysis of covariance (ANCOVA), ANOVA with unbalanced data, fixed-/random-/mixed-effect models, repeated-measures designs, and nested designs. SAS will be used for applying these methods to biomedical data.

Prerequisite(s): STAT7110 >= C and STAT7510 >= C

STAT 7640 - Generalized Linear Models I (3 Credit Hours)

Fitting of generalized linear models, diagnostics, contingency tables, categorical data analysis, measures of agreement, asymptotic theory, overdispersion, quasi-likelihood, multicategorical responses.

Prerequisite(s): STAT7620 >= C and STAT7630 >= C

STAT 7650 - Introduction to Stochastic Processes (3 Credit Hours)

Finite probability models, Markov chains, martingales, random walk, Poisson processes, model elements of renewal and reliability theory, Brownian motion, stochastic differential equations.

Prerequisite(s): STAT7520 >= C

STAT 7670 - Modern Methods of Multivariate Analysis (3 Credit Hours)

This course is designed as a first course in multivariate analysis, with emphasis on learning theoretical concepts and corresponding analytical tools in R. Topics to be covered include: discrete and continuous multivariate distributions, MANOVA, multivariate multiple regression, principal component analysis, discriminant analysis, canonical correlation analysis, dimension reduction methods such as multidimensional scaling and stochastic neighborhood embedding, data visualization, Gaussian graphical models and high dimensional inference. Upon successful completion of the course, the students will have sufficient practical knowledge for analyzing any multivariate data set. In this course, topics relevant to modern day problems in big data analysis are discussed and the multivariate tools necessary to tackle them are discussed.

Prerequisite(s): STAT7630 >= C

STAT 7720 - Survival Analysis (3 Credit Hours)

This course offers an introduction to the analysis of observed times to events, e.g., times to death (survival times). The course focuses on methods of regression generalized to the case of censored survival data. Regression models studied include non-parametric (Kaplan-Meier), semi-parametric (Cox's PH Model), and parametric regression models (Exponential, Weibull, Log-Logistic, and others). Other topics covered include model development, model adequacy, extensions to the Cox PH model, recurrent event models and frailty models.

Prerequisite(s): STAT7620 >= C and STAT7630 >= C

STAT 7740 - Design and Analysis of Clinical Trials (3 Credit Hours)

This course will examine the design of and statistical methods used in clinical trials including, but not limited to, dose finding designs, factorial designs, sequential and adaptive designs; randomization and treatment assignment techniques; blinding; interim analysis considerations and stopping rules; statistical methods for analysis of continuous, categorical and time to event data; power and sample size considerations for equivalence, non-inferiority, superiority, or differences; and data monitoring.

Prerequisite(s): STAT7630 >= C and STAT7130 >= C

STAT 7750 - Introduction to Genetic Analysis (3 Credit Hours)

This course provides a basic introduction to genetics, and aims to connect fundamental principles of biology, genetics, and evolution to mathematical and statistical models used in genetic research. Topics include statistical aspects of human population genetics, genetics in epidemiology, theoretical basis of genetic analysis, single locus and multilocus inheritance, different types of genetic variation and how any of these concepts could be quantified in statistical and/or mathematical models.

STAT 7850 - Omics Data Analysis (3 Credit Hours)

This course will cover quality assessment and normalization of arrays; Summarization of various array-

based assays: CGH, ChIP and methylation; Issues for high-throughput sequencing data; Tests of significance and multiple comparisons; Multivariate analysis of pathways and GO functional groups.
Prerequisite(s): STAT7510 >= C

STAT 7870 - Biostatistical Consulting in Research (3 Credit Hours)

This course is designed for student to gain practical experience in integration of statistical theory and application in current research, systematic formulation of research problems, data formatting, data collection, study design, data analysis, and interpretation and communication of results.
Prerequisite(s): STAT7620 >= C and STAT7630 >= C

STAT 7880 - Special Topics (1 to 3 Credit Hours)

This course is designed to cover special topics in theory and methods of Biostatistics that are not covered in regular courses. The topics will depend on the research interests of the instructor and the students.
Prerequisites: Permission of Instructor.

STAT 7910 - Biostatistical Consulting Project (1 to 12 Credit Hours)

Required course for master of science students who choose the non-thesis option. Consists of one or more consulting project write-up(s), directed by a biostatistics faculty member. A formal oral presentation is required at the conclusion of the consulting project(s). *May be repeated for credit.*

STAT 7920 - Thesis Research (1 to 12 Credit Hours)

Prerequisite: Consent of major advisor. The thesis project for the MS program will be for two types: (i) use of established but state-of-the-art statistical tools to analyze and report on collected data sets; or (ii) a rigorous review of statistical literature, possibly involving a small amount of methodological research, that has potential use in complex biomedical data analysis.

STAT 8150 - Advanced Genomic Data Analysis (3 Credit Hours)

This course introduces statistical methods for describing variation in qualitative and quantitative (disease) traits using genomic data. Topics include transmission of genes in populations, heritability, polygenic and multi-factorial traits, methods of mapping and characterizing simple and complex trait loci, pedigree analysis, variance components estimation, likelihood based and Bayesian interval mapping, inference of demographics and population ancestry, and use of public domain genetic analysis software.
Prerequisite(s): STAT7110 >= C

STAT 8160 - Analysis of Clustered and Correlated Data (3 Credit Hours)

Advanced topics in the analysis of clustered and correlated data, including correlation analysis, tests of correlation and covariance structure, repeated measures analysis, measures of agreement, and cluster-randomized trials. Instruction will be given in the proper use of software to carry out the analyses. Emphasis will be placed on methods and models most useful in clinical research.
Prerequisite(s): STAT7630 >= C

STAT 8231 - Nonparametric and Robust Statistical Methods (3 Credit Hours)

Non-parametric statistical methods, including rank-based methods for testing location and dispersion for one-, two-, and more than two-sample designs, as well as non-parametric measures of association; robust estimation methods, with emphasis on robust analogs of the mean, standard deviation, and third-moment skewness. Students will be introduced to non-parametric resampling techniques (bootstrapping and permutation methods), which will be used with robust estimation to test hypotheses. Extensive use of computer-intensive estimation and hypothesis testing procedures.
Prerequisite(s): STAT7620 >= C and DATS8170 >= C

STAT 8270 - Computational Genomics and Proteomics (3 Credit Hours)

This course introduces computational inference and visualization approaches for high-throughput data from genomics and proteomics. Topics include an introduction to high-throughput experimental data, experiment planning, data normalization, data representation, clustering, classification, approaches for

detecting differential expression, hierarchical Bayesian models, Bayesian variable selection, data integration, statistical network models, and statistical metrics for model validation.

Prerequisite(s): STAT7640 $\geq$ C and DATS8170 $\geq$ C

STAT 8890 - Readings and Research (1 to 12 Credit Hours)

This course consists of readings and research in the current biostatistical literature, advanced topics in biostatistical theory and methods, and a supervised research project which will potentially lead to publications and/or presentations. Prerequisites: Permission of instructor and permission of major advisor. *May be repeated for credit.*

STAT 9120 - Theory of Linear Models (3 Credit Hours)

This course is a study of the general linear statistical model. Topics include the theory of linear models, distributions of quadratic forms, full rank linear models, estimation under linear constraints and hypothesis testing for the full rank linear models, and fixed effect models of less than full rank, and other related models.

Prerequisite(s): STAT7630 $\geq$ C and STAT7620 $\geq$ C

STAT 9140 - Generalized Linear Models II (3 Credit Hours)

Linear mixed effects models for continuous responses, Longitudinal data analysis for continuous responses, Restricted maximum likelihood estimation, Generalized estimating equations (GEE), Growth curve model, Multinomial logistic regression models, Generalized linear mixed effects models for discrete responses (binary, binomial, and count).

Prerequisite(s): STAT7640 $\geq$ C

STAT 9220 - Advanced Statistical Inference (3 Credit Hours)

This course provides an advanced and in-depth view of statistical inference. Topics in estimation include unbiased estimation and variance bounds, curved exponential families, large sample theory for estimation, estimating equations and maximum likelihood estimation, Bayesian estimation; and topics in hypothesis testing include invariance, minimax principle, large sample theory and optimality, multiple testing and simultaneous inference.

Prerequisite(s): STAT7620 $\geq$ C

STAT 9240 - Bayesian Inference (3 Credit Hours)

This course provides the student with an introduction to Bayesian inference. The course will emphasize the theoretic aspects of the Bayesian paradigm. Topics covered in the course will be: utility, loss functions, minimaxity and admissibility, Bayes' estimators, maximum entropy priors, conjugate priors, non-informative priors, improper priors, Bayes factors, Markov chain Monte-Carlo algorithms including Metropolis-Hastings and Gibbs sampling.

Prerequisite(s): STAT7620 $\geq$ C

STAT 9280 - Advanced Special Topics (1 to 3 Credit Hours)

This course is designed to cover advanced topics in the theory and methods of biostatistics, clinical trials, epidemiology, statistical and quantitative genetics, and other areas that are not covered in existing courses. The topics will depend on the research interests of the instructor and the students. *May be repeated for credit.*

STAT 9300 - Dissertation Research (1 to 12 Credit Hours)

Students work closely with their faculty mentor on an in-depth study of a research question of interest to both student and advisor. The course may be repeated as necessary until the student completes the research. Enrollment in this course requires official admission to candidacy. *May be repeated for credit.*

SURGERY - GENERAL (SURG)

SURG 5000 - Basic Clerkship in Surgery (18 Credit Hours)

This six-week clerkship provides fundamental experience in general surgery. Although most of the students' time will be spent helping to care for inpatients, they will also participate in outpatient clinics. Emphasis will be placed on diagnostic evaluation, as well as preoperative and postoperative care. Evaluation of common outpatient conditions often seen by surgeons will also be emphasized. Grade Mode: Normal (A, B, C, D, F)

SURG 5002 - General Surgery Research (4 to 8 Credit Hours)

Individual students may elect to study in-depth, for a period of one to two months, any specific area in surgery under the guidance of the faculty member most familiar with that specific area. A thesis or report on the subject chosen is a necessary part of this elective. No student is eligible for more than one such elective.

SURG 5003 - General Surgery Externship (4 to 8 Credit Hours)

Clinical experience with individual private preceptor, in their office, operating room, and hospital. Individual arrangements must be made through both the chairperson of surgery and the clinical surgeon involved.

SURG 5004 - General Surgery Off-Campus Externship (4 to 8 Credit Hours)

Students may elect off-campus experience in some phase of surgery in some other medical school or institution for a period of one to two months. For help in making arrangements, interested students should contact the Medical College of Georgia counterpart of the individual at the other institution with whom they wish to work. Such electives must be an identifiable course of instruction. An evaluation of student's performance will be required. No student is eligible for more than one such elective. *May be repeated for credit up to 3 times.*

SURG 5005 - Surgery Critical Care/Trauma (12 Credit Hours)

The student will be assigned to the Director of the Trauma Service and be responsible to him. The experience will include trauma call, trauma surgery, patient care in the trauma intensive care unit, and patient care in the outpatient clinics. Lectures on trauma care and trauma system development will be included. An introduction to the principles and practices of pre-hospital care, to include experience on both helicopter and ground EMS services, is included. (Carl R. Boyd, M.D.) Objectives: To give the student an understanding of the principles and practice of care of the multiple injured patient. Also, the student should gain an understanding of the importance of the trauma care system development in pre-hospital care of the trauma patient. Evaluation: Evaluation will be by direct observation by the preceptor and also by standardized written tests at the end of the rotation.

SURG 5007 - Surgery Sub-I (12 Credit Hours)

Students function as substitute interns on the general surgical services at the Medical College of Georgia hospitals. They are assigned to a specific surgical service and function as an integral part of that service. Students are expected to initiate the clinical database, begin diagnostic measures, and -- where possible -- to perform surgical procedures with supervision. In addition, students participate in the teaching responsibilities, conferences, clinics, and operating experiences of the service to which they are assigned and are assigned night call responsibilities.

SURG 5015 - Tutorial in the History of Medicine (4 Credit Hours)

Students perform research on a selected topic in the history of medicine. They meet regularly with Dr. Nesbit for discussion and will prepare a paper suitable for submission for presentation/publication. Elective must be approved by Dr. Robert Nesbit.

SURG 5016 - Surgery Sub-I for Military Students (12 Credit Hours)

Increased knowledge and skills in the field of Surgery and in the care of surgical patients. The student will perform accurate and thorough history and physical examinations on surgical inpatients and outpatients,

participate with increasing responsibility under supervision in the evaluation and preoperative and postoperative care of surgical patients.

SURG 5017 - Limited Vascular Rotation for Military Students (0 to 3 Credit Hours)

This rotation is an extension of the Eisenhower Army Medical Center surgical clerkship rotation designed to expose military students to surgical vascular cases they would not otherwise see at the DDEAMC facility. Enrolled, properly vetted students function as visiting medical students and accompany Dr. Soo Hoo to and participate in/scrub for surgical cases in the operating room at AU Health. This rotation does not meet requirements for course credit. Evaluation of student performance is included in Dr. Soo Hoo's evaluation of their overall surgical clerkship rotation. No grade or credit hours will be recorded for time spent in the AU Health operating room or clinics.

SURG 5020 - Acute Care Surgery Externship (4 or 8 Credit Hours)

In this course, students will experience the broad spectrum of our Acute Care Surgery and Trauma service, working alongside faculty and residents in all areas, including outpatient clinics, inpatient wards and the operating room. Upon completion, students should have increased knowledge and skills in the field of Acute Care Surgery and the care of surgical patients.

SURG 5021 - Minimally Invasive Surgery Externship (4 or 8 Credit Hours)

In this course, students will experience the broad spectrum of our Minimally Invasive Surgery service, working alongside faculty and residents in all areas, including outpatient clinics, inpatient wards and the operating room. Upon completion, students should have increased knowledge and skills in the field of Minimally Invasive Surgery and the care of surgical patients.

SURG 5022 - Surgical Oncology Externship (4 or 8 Credit Hours)

In this course, students will experience the broad spectrum of our Surgical Oncology service, working alongside faculty and residents in all areas, including outpatient clinics, inpatient wards and the operating room. Upon completion, students should have increased knowledge and skills in the field of Surgical Oncology and the care of surgical patients.

SURG 5023 - Transplant Surgery Externship (4 or 8 Credit Hours)

In this course, students will experience the broad spectrum of our Transplant Surgery service, working alongside faculty and residents in all areas, including outpatient clinics, inpatient wards and the operating room. Upon completion, students should have increased knowledge and skills in the field of Transplant Surgery and the care of surgical patients.

SURG 5024 - Vascular Surgery Externship (4 or 8 Credit Hours)

In this course, students will experience the broad spectrum of our Vascular Surgery service, working alongside faculty and residents in all areas, including outpatient clinics, inpatient wards and the operating room. Upon completion, students should have increased knowledge and skills in the field of Vascular Surgery and the care of surgical patients.

SURG 5025 - Fundamentals of Robotics - General Surgery Externship (4 to 8 Credit Hours)

Students will experience the broad spectrum of our vascular surgery service, working alongside faculty and residents in all areas, including outpatient clinics, inpatient wards and surgical procedures. In this course, students will participate in all activities of the practice including outpatient clinics, inpatient wards and surgical procedures. Upon completion, students should have increased knowledge and skills in the field of general surgery and the care of surgical patients. Note that this course does not meet the requirements of the Sub-I.

SURG 5077 - Surgery Ambulatory Selective (12 Credit Hours)

This course is a 4-week selective with 100% of the focus on outpatient care of surgical patients. Students on this rotation do not scrub in the operating room for procedures. The primary focus of this selective

is to increase the student's capacity to function as a caring, increasingly independent but supervised clinician in an outpatient setting. During this selective, students acquire the clinical skills, knowledge and professional attitudes, and behavior necessary to evaluate, diagnose, and treat adult patients with a wide variety of illnesses. This rotation is designed to fulfill the ambulatory selective requirement. The four week selective is comprised of the following: General Surgery (Working with Surgeons, and in some instances APPs) and Subspecialty Surgery (Vascular, Urology, Thoracic, Orthopedic, ENT).

SURG 5084 - Introduction to Plastic Surgery (1 Credit Hour)

To introduce first year students to what plastic surgery is. To outline the steps involved in becoming a plastic surgeon. To prepare the students cognitively, affectively, and technically for plastic surgery residency.

SURG 5200 - Neurosurgery Externship (4 to 8 Credit Hours)

This externship provides opportunity for combining the direct patient care responsibilities of a junior house officer with practice in performing neurological examinations while participating with staff members in the practice of neurosurgery. The extern will be assigned eight patients for which they will have primary responsibility for daily care under the supervision of the senior house officer and staff of the Neurosurgery Service. They will participate in patient evaluations in the clinic and in daily teaching conferences. This elective provides for a close working relationship between the staff and the student while at the same time providing opportunity for patient care responsibilities.

SURG 5202 - Neurosurgery Off-Campus Externship (4 to 8 Credit Hours)

This elective provides an opportunity for students who wish to study neurosurgery at another institution. it will be necessary to talk over the needs of the student in detail with Dr. Mark Lee prior to making arrangements for this elective. *May be repeated for credit up to 3 times.*

SURG 5203 - Neurosurgery Externship and Research (4 to 8 Credit Hours)

Increased knowledge and skills in the field of Neurological surgery and in the care of neurosurgical patients, and participation in a limited neurological clinical research experience.

SURG 5205 - Pediatric Neurosurgery Externship (4 to 8 Credit Hours)

Pediatric neurosurgery focuses on the management of developing nervous system. This elective will encompass inpatient and outpatient care of these children. The student will participate in daily ward rounds, diagnostic and treatment planning, surgery and outpatient evaluation under the supervision of neurosurgery houses officers and faculty. The emphasis of the clerkship will be on the unique nature of children's neurosurgical problems, as well as on the management of these problems, both through surgery and the interactions with other medical and surgical pediatric specialist such as neonatology, neurology, oncology and intensive care. Participation as above in all activities of the neurosurgical service.

SURG 5252 - Otolaryngology Off-Campus Externship (4 to 8 Credit Hours)

Students may elect off-campus experience in place of otolaryngology in some other medical school or institution for a period of one to two months. For help in making arrangements, interested students should contact the section of otolaryngology here at the Medical College of Georgia. Arrangements then can be made with the counterpart at the other institution. An evaluation of the student's performance will be required. *May be repeated for credit up to 3 times.*

SURG 5254 - Otolaryngology Externship (4 to 8 Credit Hours)

Increased knowledge and skills in the field of otolaryngology and in the care of surgical patients. Students perform accurate and thorough history and physical on surgical inpatients and outpatients, participate with increasing responsibility under supervision in the evaluation of preoperative and postoperative care of surgical patients, fully participate in all educational conferences and appropriately participate in patient procedures. Students on this elective will function as substitute interns on the otolaryngology service at the Medical College of Georgia. Students function as an integral part of the service. They are expected to

initiate the clinical data base, begin diagnostic measures, and where possible, perform surgical procedures with supervision. In addition, they participate in the teaching responsibilities, conferences, clinics, and operating experiences of the service to which they are assigned and they are assigned night call responsibilities. Participation as above in all activities of the surgical service. Note: 24 operating room hours per week and eight hours of ward work per week.

SURG 5275 - Orthopedics Externship (4 to 8 Credit Hours)

Increased knowledge and skills in the field of orthopedic surgery and in the care of orthopedics patients.

SURG 5278 - Orthopedics Off-Campus Externship (4 to 8 Credit Hours)

Increased knowledge and skills in the field of Orthopedic Surgery and in the care of orthopedics patients.

May be repeated for credit up to 3 times.

SURG 5292 - Orthopedic Surgery Research (4 to 8 Credit Hours)

Increased knowledge, skill and appreciation in the field of surgical research. The student will gain research experience in orthopedic surgery. Students will participate in studies that are currently ongoing in the section or suggest a research proposal. *May be repeated for credit up to 1 time.*

SURG 5300 - Pediatric Surgery Externship (4 to 8 Credit Hours)

Increased knowledge and skills in the field of pediatric surgery and in the care of pediatric surgical patients. The student will perform accurate and thorough history and physical examination on pediatric surgical inpatients and outpatients. Students will participate with increasing responsibility under supervision in the evaluation and preoperative and postoperative care of pediatric surgical patients.

SURG 5325 - Thoracic and Cardiac Surgery Externship (4 to 8 Credit Hours)

This elective is designed to provide additional experience in pathophysiology and treatment of intrathoracic disease. The student participates with the chief resident and/or attending thoracic surgeon in answering consultations regarding patients with potential thoracic surgical problems on other services. In addition, opportunities are available for experience in treatment of critically ill patients in the surgical intensive care unit. Responsibilities of the student are entirely separate from those taking the required subspecialty clerkship. (SUR 5000) In addition, the student participates in all conferences, rounds and clinics.

SURG 5326 - Off-Campus Thoracic and Cardiac Surgery Externship (4 to 8 Credit Hours)

Increased knowledge and skills and treatment of cardiothoracic diseases. The student will perform accurate and thorough history and physical examination on cardiothoracic inpatients and outpatients. Students participate with increasing responsibility under supervision in the evaluation and care of preoperative and postoperative patients. *May be repeated for credit up to 3 times.*

SURG 5350 - Urology Externship (4 to 8 Credit Hours)

Increased knowledge and skills in the field of urology surgery and in the care of urological surgical patients. The student will perform accurate and thorough history and physical examinations on urology inpatients and outpatients and participate with increasing responsibility under supervision in the evaluation and preoperative and postoperative care of urology patients.

SURG 5351 - Urology Off-Campus Externship (4 to 8 Credit Hours)

Increase knowledge and skills in the field of urology and the care of urological surgery patients. The student will perform accurate and thorough history and physical examinations on general urology inpatients and outpatients. Participate with increasing responsibility under supervision in the evaluation and preoperative and postoperative care of urology patients. *May be repeated for credit up to 3 times.*

SURG 5352 - Urologic Research (4 to 8 Credit Hours)

Increased knowledge, skill and appreciation in the field of surgical research

The student will gain research experience in urologic research, participate in studies that are currently ongoing. The student will gain research experience in urologic research, participate in studies that are currently ongoing.

SURG 5375 - Plastic Reconstructive Surgery Externship (4 to 8 Credit Hours)

Increased knowledge and skills in the field of plastic surgery and in the care of plastic surgery patients. The student will perform accurate and thorough history and physical examinations on plastic surgery inpatients and outpatients. Participate with increasing responsibility under supervision in the evaluation and management of preoperative and postoperative plastic surgery patients.

SURG 5379 - Pediatric Urology Externship (4 to 8 Credit Hours)

Students will identify pediatric urology problems, evaluate and treat patients, and learn surgical procedures.

Prerequisite(s): SURG5000

SURG 5380 - Surgery Boot Camp (4 to 8 Credit Hours)

This elective has been specifically designed for students entering a surgical residency. The aim is to prepare the student with the basic surgical skills and knowledge necessary to successfully begin their PGY 1 year in surgical training.

SURG 5999 - Basic Clerkship Remediation in Surgery Subspecialty (1 Credit Hour)

Remediation of the Basic Core Clerkship in Surgery

Prerequisite(s): SURG5000 and SURG5100

SURG 6599 - SURG Student Chief (4 to 8 Credit Hours)

This elective is designed to allow M4 students an opportunity to practice their leadership skills as they serve as a peer role model to M3 students on the Surgery rotation. Student must receive approval from Site CD. *May be repeated for credit up to 1 time.*

Prerequisite(s): SURG 5000 >= B

THEATRE (THEA)

THEA 1100 - Theatre Appreciation (3 Credit Hours)

Survey and appreciation of theatre as a literary and performing art. Introduction to and improvement of critical and aesthetic evaluation of theatrical performances, including the contributions of the playwright, the actor, the director, the designer, and the audience member.

THEA 2000 - Approaches to Acting (3 Credit Hours)

An introduction to the craft of the actor, including training in voice, movement, emotional sensitivity, improvisation, and scene study.

THEA 2010 - Performance Composition (3 Credit Hours)

An introduction to composing and performing original texts for the stage.

THEA 3000 - Voice and Movement (3 Credit Hours)

This course helps students to develop fundamentals of voice and movement in performance, including breathing, kinesthetic awareness, vocal placement and resonance, physical performance, and integration of vocal and physical elements of performance.

THEA 3010 - Writing for the Stage (3 Credit Hours)

A workshop in the writing of one-act and full-length plays. Topics include dramatic theory, plot structure, character, dialogue, naturalism, symbolism, theme, production problems, and manuscript format.

Students will write a one-act play or a short screen play.

THEA 3020 - Directing for the Stage (3 Credit Hours)

This course explores the theory and practice of directing diverse texts for the stage.

THEA 3100 - History of Performance (3 Credit Hours)

This course provides a survey of a particular era or event in theater and/or performance history.

THEA 3200 - Scenography (3 Credit Hours)

This course introduces students to the theoretical, practical, and technical elements, in the creation and execution of the theatrical stage production.

THEA 4000 - Performance Theory and Practice (3 Credit Hours)

Advanced study of selected theater and performance theories and methods.

THEA 4150 - Performance Studies (3 Credit Hours)

This course examines performance as a way of knowing and understanding the world and as a critical tool for engaging, analyzing, and creating aesthetic texts.

THEA 4990 - Undergraduate Research in Performance (3 Credit Hours)

This course provides students with an undergraduate immersion in theater and performance research and creative scholarship. Students will develop and produce a theater performance project for public presentation or exhibition.

Prerequisite(s): (THEA2000 >= C and THEA2010 >= C and THEA3000 >= C) and (THEA3010 >= C or THEA3020 >= C)

DIAGNOSIS AND TREATMENT OF TEMPOROMANDIBULAR DISORDERS (TMDT)

TMDT 5601 - Diagnosis and Treatment of Temporomandibular Disorders (2 Credit Hours)

Diagnosis and treatment concepts of Temporomandibular Disorders will be presented.

TREATMENT PLANNING (TXPL)

TXPL 5602 - Treatment Planning II (1 Credit Hour)

USG GOES GLOBAL (USGG)

USGG 1002 - Studies Abroad (0 Credit Hours)

Lower level study abroad course denoting sophomore level work. Prerequisite: Varies with discipline and subject. *May be repeated for credit.*

USGG 1005 - Study Abroad System (0 Credit Hours)

May be repeated for credit.

USGG 1011 - Study Abroad System (0 Credit Hours)

May be repeated for credit.

USGG 1017 - Study Abroad System (0 Credit Hours)

May be repeated for credit.

USGG 1018 - Study Abroad System (0 Credit Hours)

May be repeated for credit.

USGG 2004 - Study Abroad System (0 Credit Hours)

May be repeated for credit.

USGG 2009 - Study Abroad System (0 Credit Hours)

May be repeated for credit.

USGG 2020 - Study Abroad System (0 Credit Hours)

May be repeated for credit.

USGG 2033 - Americans and Paris: A Survey of US History with a French Twist (0 Credit Hours)

May be repeated for credit.

USGG 2048 - Study Abroad System (0 Credit Hours)

May be repeated for credit.

USGG 2049 - Introduction to Human Development: Growing Up Porto Style (0 Credit Hours)

May be repeated for credit.

USGG 3008 - Study Abroad System (0 Credit Hours)

May be repeated for credit.

USGG 3016 - Study Abroad System (0 Credit Hours)

May be repeated for credit.

USGG 3027 - Study Abroad System (0 Credit Hours)

May be repeated for credit.

USGG 3034 - American Literature II: "More Freedom in One Square Block of Paris" - American Expatriate Writers (0 Credit Hours)

May be repeated for credit.

USGG 4003 - Study Abroad System (0 Credit Hours)

May be repeated for credit.

USGG 4005 - Study Abroad System (0 Credit Hours)

May be repeated for credit.

USGG 4007 - Studies Abroad (0 Credit Hours)

Upper level study abroad course denoting senior level work. Prerequisite: Varies with discipline and subject. *May be repeated for credit.*

USGG 4013 - Studies Abroad (0 Credit Hours)

Upper level study abroad course denoting senior level work. Prerequisite: Varies with discipline and

subject. *May be repeated for credit.*

USGG 4017 - Study Abroad System (0 Credit Hours)

May be repeated for credit.

USGG 4022 - Environmental Psychology (0 Credit Hours)

May be repeated for credit.

USGG 4812 - Study Abroad System (0 Credit Hours)

May be repeated for credit.

VASCULAR BIOLOGY (VBIO)

VBIO 8010 - Methods in Cardiovascular Research (3 Credit Hours)

An in-depth study of vascular biology with a focus on state of the art techniques and methodology. A mixture of didactic learning and data analytical techniques in silico will be employed. Prerequisites: Completion of first year biomedical sciences graduate core curriculum or consent of course director. *May be repeated for credit up to 1 time.*

VBIO 8020 - New Frontiers in Vascular Biology (2 Credit Hours)

An in-depth study of vascular biology based on the current literature. Emphasis will be given to novel theories of mechanisms regulating vascular function along with state-of-the-art methodologies, concepts and trends in vascular biology research. A range of standard topics will be covered along with the introduction of new material each time the course is presented. See course director for details. Prerequisites: Completion of firstyear biomedical sciences graduate core curriculum or consent of course director.

VBIO 8130 - Modern Drug Discovery and Development (3 Credit Hours)

This three credit hour course is interdisciplinary with an emphasis on current techniques, concepts and trends in drug discovery and development today. Strategies for deciphering a drug target and for discovering new classes of drugs and therapies will be the main themes of the course.

VBIO 8140 - Cell Signaling in Vascular Biology (2 Credit Hours)

An in-depth study of cell signaling in vascular biology based on the current literature. Emphasis will be given to state-of-the-art methodology and novel theories as it pertains to the mechanisms of cell signaling in vascular biology.

VBIO 8300 - Thesis Research (1 to 12 Credit Hours)

Permanent assignment to a specific lab with a faculty advisor and a defined research project. Students work under the mentorship of their faculty thesis advisor to define, develop, and carry out the basic study of a research problem of interest to both student and advisor. This course is designed to develop the experience, understanding, and skills to conduct and assess original, independent research in biomedical science. This course is typically taken more than one time and culminates in the final semester in the preparation and defense of a MS thesis. *May be repeated for credit.*

VBIO 9010 - Seminar in Vascular Biology (1 Credit Hour)

May be repeated for credit.

VBIO 9020 - Vascular Biology Journal Club (1 Credit Hour)

Weekly presentation and discussion of recent journal articles in the field of vascular biology. All students enrolled will be required to present at least one journal paper per semester and will be expected to lead the discussion and answer questions in relation to the specific background, method, results, discussion

and conclusions as it relates to the paper and field in general. *May be repeated for credit.*

VBIO 9210 - Investigation of a Problem in Vascular Biology (1 to 12 Credit Hours)

Laboratory rotation course where the student works with individual faculty members on a specific research topic. This provides an introduction to techniques utilized in the laboratory as well as an introduction to the scientific method. *May be repeated for credit.*

VBIO 9300 - Research in Vascular Biology (1 to 12 Credit Hours)

Enrollment in vascular biology graduate program and permanent assignment to a specific laboratory with faculty advisor and defined research project. Students work closely with their faculty thesis/dissertation mentor on an in-depth study of a research question of interest to both student and mentor. This course culminates in the preparation of a PhD dissertation and a thesis defense. Enrollment in this course requires official admission to candidacy. *May be repeated for credit.*

VBIO 9310 - Modern Drug Discovery and Development for the Physician (1 Credit Hour)

The course is interdisciplinary with an emphasis on current techniques, concepts, and trends in drug discovery and development today. The course presents information on how drugs are developed from concept all the way through clinical trials. Lecturers include numerous guest faculty from outside MCG who are currently working in the industry.

WELLNESS (WELL)

WELL 1000 - Wellness (2 Credit Hours)

A lecture/activity course that integrates the physical, mental, social, and environmental aspects of wellness. Healthy lifestyle choices are encouraged through education and fitness wellness assessment. NOTE: This course does not count as a 1-hour activity elective.

WELL 1011 - Badminton (1 Credit Hour)

May be repeated for credit.

Additional Course Fee: Wellness Activity Course Fee - \$20 Flat Fee

WELL 1012 - Beginning Golf (1 Credit Hour)

May be repeated for credit.

Additional Course Fee: Wellness Activity Course Fee - \$20 Flat Fee

WELL 1013 - Advanced Golf (1 Credit Hour)

May be repeated for credit.

Additional Course Fee: Wellness Activity Course Fee - \$20 Flat Fee

WELL 1017 - Pickleball (1 Credit Hour)

May be repeated for credit.

Additional Course Fee: Wellness Activity Course Fee - \$20 Flat Fee

WELL 1018 - One Wall Handball (1 Credit Hour)

May be repeated for credit.

Additional Course Fee: Wellness Activity Course Fee - \$20 Flat Fee

WELL 1019 - Tennis (1 Credit Hour)

May be repeated for credit.

Additional Course Fee: Wellness Activity Course Fee - \$20 Flat Fee

WELL 1022 - Rock Climbing/Orienteering (1 Credit Hour)

May be repeated for credit.

Additional Course Fee: Wellness Activity Course Fee - \$20 Flat Fee

WELL 1023 - Hiking, Backpacking and Camping (1 Credit Hour)

May be repeated for credit.

Additional Course Fee: Wellness Activity Course Fee - \$20 Flat Fee

WELL 1024 - Yoga (1 Credit Hour)

May be repeated for credit.

Additional Course Fee: Wellness Activity Course Fee - \$20 Flat Fee

WELL 1025 - Tai Chi (1 Credit Hour)

May be repeated for credit.

Additional Course Fee: Wellness Activity Course Fee - \$20 Flat Fee

WELL 1026 - Self Defense (1 Credit Hour)

May be repeated for credit.

Additional Course Fee: Wellness Activity Course Fee - \$20 Flat Fee

WELL 1028 - Orienteering (1 Credit Hour)

May be repeated for credit.

Additional Course Fee: Wellness Activity Course Fee - \$20 Flat Fee

WELL 1029 - Beginning Fishing (1 Credit Hour)

May be repeated for credit.

Additional Course Fee: Wellness Activity Course Fee - \$20 Flat Fee

WELL 1030 - Backyard Games (1 Credit Hour)

May be repeated for credit.

Additional Course Fee: Wellness Activity Course Fee - \$20 Flat Fee

WELL 1031 - International Games (1 Credit Hour)

May be repeated for credit.

Additional Course Fee: Wellness Activity Course Fee - \$20 Flat Fee

WELL 1201 - Basketball (1 Credit Hour)

May be repeated for credit.

Additional Course Fee: Wellness Activity Course Fee - \$20 Flat Fee

WELL 1202 - Soccer (1 Credit Hour)

May be repeated for credit.

Additional Course Fee: Wellness Activity Course Fee - \$20 Flat Fee

WELL 1203 - Softball (1 Credit Hour)

May be repeated for credit.

Additional Course Fee: Wellness Activity Course Fee - \$20 Flat Fee

WELL 1204 - Flag Football (1 Credit Hour)

May be repeated for credit.

Additional Course Fee: Wellness Activity Course Fee - \$20 Flat Fee

WELL 1205 - Ultimate Frisbee (1 Credit Hour)

May be repeated for credit.

Additional Course Fee: Wellness Activity Course Fee - \$20 Flat Fee

WELL 1206 - Team Handball (1 Credit Hour)

May be repeated for credit.

Additional Course Fee: Wellness Activity Course Fee - \$20 Flat Fee

WELL 1208 - Wallyball (1 Credit Hour)

May be repeated for credit.

Additional Course Fee: Wellness Activity Course Fee - \$20 Flat Fee

WELL 1209 - Volleyball (1 Credit Hour)

May be repeated for credit.

Additional Course Fee: Wellness Activity Course Fee - \$20 Flat Fee

WELL 1211 - Disc Golf (1 Credit Hour)

This course is designed to introduce the basic skills and knowledge of Disc Golf, while improving fitness levels through participation. *May be repeated for credit.*

Additional Course Fee: Wellness Activity Course Fee - \$20 Flat Fee

WELL 1301 - Social/Folk Dance (1 Credit Hour)

May be repeated for credit.

WELL 1302 - Square/Country Line Dance (1 Credit Hour)

May be repeated for credit.

WELL 1303 - Creative Movement (1 Credit Hour)

May be repeated for credit.

WELL 1406 - Canoeing (1 Credit Hour)

May be repeated for credit.

WELL 1502 - Step Bench/Body Conditioning (1 Credit Hour)

May be repeated for credit.

Additional Course Fee: Wellness Activity Course Fee - \$20 Flat Fee

WELL 1503 - Aerobic Dance/Body Condition (1 Credit Hour)

May be repeated for credit.

Additional Course Fee: Wellness Activity Course Fee - \$20 Flat Fee

WELL 1504 - Body Shaping (Women) (1 Credit Hour)

May be repeated for credit.

Additional Course Fee: Wellness Activity Course Fee - \$20 Flat Fee

WELL 1506 - Weight Training (1 Credit Hour)

May be repeated for credit.

Additional Course Fee: Wellness Activity Course Fee - \$20 Flat Fee

WELL 1507 - Jogging (1 Credit Hour)

May be repeated for credit.

WELL 1508 - Fitness (1 Credit Hour)*May be repeated for credit.*

Additional Course Fee: Wellness Activity Course Fee - \$20 Flat Fee

WELL 1509 - Pilates (1 Credit Hour)*May be repeated for credit.*

Additional Course Fee: Wellness Activity Course Fee - \$20 Flat Fee

WELL 1511 - Core Conditioning (1 Credit Hour)*May be repeated for credit.*

Additional Course Fee: Wellness Activity Course Fee - \$20 Flat Fee

WELL 1512 - Zumba (1 Credit Hour)

Zumba is an exercise program that fuses international dance rhythms and easy to follow routines. The routines feature interval training sessions where fast and slow rhythms and resistance training are combined to tone, and sculpt your body while burning fat. *May be repeated for credit.*

Additional Course Fee: Wellness Activity Course Fee - \$20 Flat Fee

WELL 1528 - Bicycling (1 Credit Hour)*May be repeated for credit.*

Additional Course Fee: Wellness Activity Course Fee - \$20 Flat Fee

WELL 1699 - Selected Topics (1 Credit Hour)*May be repeated for credit.*

Additional Course Fee: Wellness Activity Course Fee - \$20 Flat Fee

WOMEN'S AND GENDER STUDIES (WGST)**WGST 1101 - Introduction to Women's and Gender Studies (3 Credit Hours)**

Introduction to Women's and Gender Studies is an interdisciplinary course designed to provide a foundation for the minor. Instructors are encouraged to use methods and theories from fields such as communications, art, history, sociology, anthropology, literature, psychology, and women's and gender studies to explore how gender, as it intersects with other identities, influences individuals' lives experiences.

WGST 2950 - Selected Topics (3 Credit Hours)

Seminar in Women's Studies often conducted on an interdisciplinary basis. *May be repeated for credit up to 98 times.*

WGST 3310 - Women's Literature (3 Credit Hours)

An examination of a wide range of women writers, both classic and contemporary, with an emphasis on multicultural and/or multidisciplinary approaches.

Prerequisite(s): (ENGL 1101 >= C or ENGL 1101H >= C or ENGL 1113 >= C) and (ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C) and (WMST1101 or WGST1101)

WGST 3336 - Women, Crime, and the Criminal Justice System (3 Credit Hours)

A sociological analysis of women as criminal offenders and as workers in criminal justice fields. Examines the socio-historical construction of gender for its influences on criminal law and the practices of criminal justice agencies. Covers historical perspectives on women and crime, the adequacy of contemporary criminological perspectives for explaining female criminality.

Prerequisite(s): (WMST1101 >= C or WGST1101 >= C or SOCI 1160 >= C or CRJU1103 >= C)

WGST 3870 - Identity: Ethnicity, Gender, and Class (3 Credit Hours)

This course examines the processes through which identities are culturally constructed and experienced. The focus is on key ideas and theoretical debates surrounding race and ethnicity, gender, sexuality, and class through a cross-cultural perspective. These identities intersect with each other and with other identities such as religious, educational, parental, etc...

Prerequisite(s): (WMST1101 >= C or WGST1101 >= C)

WGST 4011 - History of Women (3 Credit Hours)

This course will examine the history of women in either a geographical or topical approach. It will examine the female role of mother, daughter, sister, and leader in a particular society, such as America, Europe, Asia, Latin America, etc. Or, the course will be centered on a particular cross-cultural topic, such as suffrage, family roles, leaders, religion, etc. In all cases, this course is intended to explore the paradox between the ideal woman and actual treatment of women in a given era, society, culture, or movement. Students taking the graduate level course will be required to complete additional work. May be repeated for credit. *May be repeated for credit up to 98 times.*

Prerequisite(s): (HIST1111 >= C or HIST1112 >= C)

WGST 4021 - Gender and Family History (3 Credit Hours)

This is an in-depth look at the relationship between men and women with particular emphasis on their roles in the family. The course will look at childhood, marriage, work, and cultural practices in a particular period from antiquity to modernity. Primary and secondary sources will provide comparisons between men and women in both the elite and common sectors of society. Students taking the graduate level course will be required to complete additional work. May be repeated for credit. *May be repeated for credit up to 98 times.*

Prerequisite(s): (HIST1111 >= C or HIST1112 >= C)

WGST 4120 - Gender and Communication (3 Credit Hours)

This course explores gendered communication patterns in a variety of contexts and examines how communication creates and reinforces gender. Theories that explain how culture shapes gendered communication and how gendered communication shapes culture will be examined.

Prerequisite(s): (WMST1101 >= C or WGST1101 >= C)

WGST 4310 - Studies in Feminism (3 Credit Hours)

A course which uses feminist scholarship to analyze selected texts and topics.

Prerequisite(s): (WMST1101 >= C or WGST1101 >= C) or (ENGL 1101 >= C or ENGL 1101H >= C or ENGL 1113 >= C) and (ENGL 1102 >= C or ENGL 1102H >= C or ENGL 1114 >= C)

WGST 4336 - Gender and Victimization (3 Credit Hours)

A sociological analysis of crime victims and victim-service agencies. Traces the historical development of the field of victimology. Examines the influence of gender on victimization experiences and practices of criminal justice and victim-service agencies.

Prerequisite(s): (SOSC3001 >= C or SOSC3002 >= C or SOSC3003 >= C or WGST1101 >= C)

WGST 4442 - Gender and Society (3 Credit Hours)

Sociological insights and concepts will be employed in observing, interpreting, and analyzing the social processes creating, reinforcing and changing gender roles and the statuses of women and men in society.

Prerequisite(s): (WMST1101 >= C or WGST1101 >= C) and (SOC1 1101 >= C or SOC1 1101H >= C or SOC1 1103 >= C or PSYC 1103 >= C)

WGST 4950 - Selected Topics (3 Credit Hours)

A seminar in a particular area of women's, gender, and/or sexuality studies, often conducted on an interdisciplinary basis. *May be repeated for credit.*

Prerequisite(s): (WMST1101 >= C or WGST1101 >= C)

WGST 4960 - Undergraduate Internship (1 to 3 Credit Hours)

A civic engagement experience based in an off-campus agency or organization. Under the supervision of a faculty member at the university and a supervisor at a cooperating agency or organization, a student completes specific tasks and acquires specific knowledge and skills related to an area of women's, gender, and/or sexuality studies.

Prerequisite(s): (WMST1101 >= C or WGST1101 >= C)

WGST 4961 - Feminist Media Production Internship (1 to 3 Credit Hours)

A feminist media production internship. Students will participate in the production of feminist media through writing original material, evaluating and editing submitted material, and formatting material for outside readers. Application and approved plan for credit-hour option required. *May be repeated for credit.*

WGST 4990 - Undergraduate Research (3 Credit Hours)

A major research project exploring a specific topic in women's, gender, and/or sexuality studies under the direction of a supervising instructor.

Prerequisite(s): (WMST1101 >= C or WGST1101 >= C)

WEB-BASED MBA (WMBA)**WMBA 1000 - WebMBA Orientation (0 Credit Hours)**

The Georgia WebMBA Orientation focuses on team building, program requirements and information, and includes interaction with our program faculty, administrators, and graduates. Sessions include communication and team maintenance, personality assessments, technology updates, presentations by course leads for each WebMBA course, and presentations and meetings with first course faculty. Students will work with their selected teams to create team contracts, have face-to-face time with their faculty, deans, and administrators. Students will also attend a panel discussion comprised of current students and alumni. All students must successfully complete this mandatory orientation held in Atlanta prior to starting the first semester.

WMBA 6000 - Human Behavior in Organizations (3 Credit Hours)

Human Behavior in Organizations is a graduate level introductory course to organizational behavior designed for both the entry level and high level manager with any functional responsibility. This course explores some of the ways in which human behavior affects how one manages and leads and ultimately how it affects individual, group, and organizational performance. Students will apply concepts to case studies, their own companies and industry leaders. By the end of the course, students will be able to identify key organizational behavior issues and apply practical solutions to improve organizational effectiveness.

WMBA 6010 - Managerial Accounting (3 Credit Hours)

Managerial Accounting is designed for both entry level and high level managers with any functional responsibility. The course covers a wide range of topics that emphasize the use of both internal and external data to enhance the decision-making skills of managers. Concepts covered include an overview of the management accounting function within the organization, cost management and cost accumulation systems, planning and control systems, use of historical data in forecasting costs, and the use of accounting information in management decision-making. Case studies will be used to enhance students' critical thinking, problem solving, and communication skills. Students will apply concepts to a variety of companies using problems and case studies. By the end of the course, students will be able to understand and apply accounting information in management decision making functions.

WMBA 6030 - Global and International Business (3 Credit Hours)

Global and International Business is designed for both entry level and high level managers with any functional responsibility. The course is designed to explain to students the growing opportunities and potential risks in doing business across national boundaries. The nature and economic role of the global

business, including the impact of legal, political, social, and cultural variables are examined for their influence upon business performance and managerial activity. Students will apply concepts to case studies, country report, and other assignments. By the end of the course, students will have a truly global approach in identifying, analyzing, and solving problems.

WMBA 6040 - Managerial Decision Analysis Using Business Intelligence (3 Credit Hours)

Managerial Decision Analysis Using Business Intelligence is designed for entry level through high level managers who either provide input to or are responsible for managerial decisions based on solid logic and analysis. The course presents an introduction to the statistical and management science techniques that are most commonly used by managers in both the public and private sectors. We build the course providing tools you may find useful for your team project which may either be a consulting project addressing a real issue in a not-for-profit or for-profit entity or focus on a current topic of interest to a segment of the business community. By the end of the course, students will be able to understand the role of quantitative methods in the decision-making process; demonstrate the ability to visualize, present, analyze and interpret business data; develop an understanding of the application of quantitative analysis to the solution of management problems; and utilize spreadsheet analysis as a tool in analyzing data and developing a solution/recommendation to a problem situation.

WMBA 6050 - Strategic Marketing (3 Credit Hours)

Strategic Marketing is a graduate level introductory course to marketing designed for both the entry level and high level manager with any functional responsibility. The purpose of the course is to familiarize students with the marketing concept and to help students understand how the marketing concept (and a firm's market orientation) influences various decisions made by managers in a firm. Marketing management involves the coordination and control of the firm's marketing functions in a dynamic environment. This course provides a study of the strategic managerial aspects of marketing and covers topics that include basic marketing concepts as well as some of the tools and strategies used by marketing managers. Topics focus on product, price, promotion, and place in the ethical planning, implementing, and controlling of marketing activities. A strategic marketing simulation that provides the opportunity for students to apply and demonstrate understanding of the concepts learned in the course.

WMBA 6060 - Managerial Finance (3 Credit Hours)

Managerial Finance is a study of financial risk and return, capital budgeting, valuation, capital structure, working capital management and current topics in financial management. It develops a student's knowledge, analytical skills and communication skills in the area of financial management. The course gives students tools to analyze a company's financial position relative to the industry, apply time value of money concepts to business cash flows, evaluate the acceptability of a short-term and long-term financial decision, and understand the relationship between capital structure, risk, and the cost of capital.

WMBA 6070 - Entrepreneurship (3 Credit Hours)

Entrepreneurship is intended to expose graduate business students to both the spirit and mechanics of entrepreneurial thinking and action. The course takes the perspective of both the would-be entrepreneur and the manager of creative and entrepreneurial activity within established organizations. This course is also designed to offer insight for students seeking entrepreneurial careers in new or established businesses. It describes the new venture startup process and strategies for increasing the likelihood of successful venture launch. Topics covered include models of new venture formation, strategic resource acquisition and deployment, marketing, operations, and financial strategies for successful ventures, and the leadership skills and behaviors required for venture success. Participants will also learn how to write a business plan and assess business plans written by others.

WMBA 6080 - Management Information System (3 Credit Hours)

The Management Information Systems course is designed to provide a framework for understanding how technology can support (or hinder) organizational success, impacting decision making from operational activities to strategic decisions. Course lectures, discussions, application-oriented activities, team-based activities, and individual essays are used to develop the ability to incorporate academic theories into

business practice. Business cases, current events, and personal experiences are discussed to help students learn to find points of success or failure based on the theories presented in class. Student teams investigate emerging technology topics and record videos to apply the new technology to business opportunities. The final project is an interview with the CIO (or equivalent) that allows you to apply these skills in a personal way to develop a framework for IT decisions.

WMBA 6100 - Operations and Supply Chain Management (3 Credit Hours)

Operations and Supply Chain Management is designed for both new and high level managers with any functional managerial responsibility – which requires both administrative and analytical skills. The course will cover a wide range of topics such as: operations strategy, process selection, capacity planning, facility location and layout planning, job design, and total quality management. Students will apply concepts to all possible operational issues and challenges in their daily function. By the end of the course, students will be able to identify strategic decisions in operations management; select appropriate process for a given production system, employ available techniques in firm's long-range capacity planning and layout design, and apply all related OM approaches in management decision making process.

WMBA 6110 - Business Strategic Management (3 Credit Hours)

Business Strategic Management is designed to provide an executive viewpoint of strategy formation and management of an enterprise. Designed to be the final experience for WebMBA students, the course is an integrative capstone for the program. Students learn how to audit and analyze complex situations to determine the firm's strategies for long-run survival and growth in competitive markets. They also examine techniques for analysis of environmental conditions and trends, opportunities and threats, resource strengths and limitations. Case studies, discussions and a sophisticated strategy simulation constitute the primary content of the course. By the end of the course, participants will know how to plan, implement, and control organizational efficiency and effectiveness at both the strategic and operational level.

Section XIV: Academic Resources

The Academic Resources listed here are university-provided tools and services that support student learning, research, and academic success. For additional information, see the Student Manual.

Academic Advisement Center

augusta.edu/advising | 706-731-7979 | academicadvisement@augusta.edu

Academic Advisement is where undergraduates begin. The centralized advisement services are designed to provide comprehensive support as students navigate their way into their respective major programs. The team of Undergraduate Academic Advisors are well-versed in the undergraduate programs and core curriculum, assisting students in developing academic plans, selecting courses, recommending actions, and connecting them with campus resources as needed.

They work closely with academic programs and support services to help students identify and confirm their academic career paths. Professional advisors offer ongoing support through various means including outreach services, personal phone calls, targeted emails, and electronic messages.

There are two convenient locations for students: (1) on the second floor of University Hall (262) on the Summerville campus and (2) in the new Science and Math Building. Offices are open weekdays from 8:00 a.m. to 5:00 p.m. Walk-in hours for quick consultations are available. For up-to-date walk-in hours, visit the Academic Advisement Center Staff webpage at augusta.edu/advising/staff. Advising appointments are required for next term advisement to ensure both the advisor and student are prepared for a productive session. Additional information can be found on the Academic Advisement website.

Academic Success Center

augusta.edu/academicsuccess | 706-667-4777 | asc@augusta.edu

Our number one goal is to see students succeed! The Academic Success Center (ASC) is home to a variety of **free** in-person and online academic support services. We provide peer tutoring for most subjects across the undergraduate curriculum and academic coaching is available to all AU students. The ASC is located on the first floor of University Hall at Summerville and in Greenblatt Library at Health Sciences. The ASC is open for general study. Visit us to reduce your stress and build your skill set.

Alumni Association

augusta.edu/alumni | 706-737-1759 | alumni@augusta.edu

The Augusta University Alumni Association with its affiliate college alumni societies exists to promote the growth and welfare of Augusta University and link alumni to their alma mater. The association is composed of former students and graduates of Augusta University and its legacy institutions -- the Medical College of Georgia, Augusta College, Augusta State University, Georgia Health Sciences University, and Georgia Regents University -- who share a goal to build community and connection through social activities, professional networking, mentorship, service, and other opportunities to give back to the university. Together we aim, to amplify the profile and value of an Augusta University education and to strengthen the lifelong connections that our graduates have with the university. All graduates become members of the alumni association upon graduation.

Career Services

augusta.edu/careerservices | 706-737-1604 | careercenter@augusta.edu

Career Services provides career development and job search assistance to all currently enrolled students at Augusta University. Graduating seniors have access to Career Services for one full year after graduation. After this period, Alumni Services are available for a nominal fee. The office is located on the Summerville campus in University Hall, Suite 210.

Office hours are 8 a.m. - 5:00 p.m., Monday through Friday, with evening appointments available upon request. Career Consultants, assigned by major, are available for in person or virtual appointments to work individually with students on their specific career planning or job search needs. Additionally, Career Services offers walk-in hours that do not require an appointment. The website also offers extensive career development content and resources to assist students online.

To schedule an appointment, students may call 706-737-1604 or opt to schedule through their Handshake account. Visit augusta.edu/careerservices/handshake for details.

Some of the primary activities of the office are:

Career Planning and Exploration

Students unsure of a career path or academic major are encouraged to schedule an appointment with their Career Consultant for guidance and access to a variety of career assessments and planning tools. The career planning and exploration page of our website offers several online assessments that can be used prior to a career exploration appointment.

- **Steppingblocks:** Online career exploration platform that includes a 3-minute personality and career assessment. Using the results of your assessment to explore majors, occupational trends, and real career paths of AU alumni. Identify skillsets needed for occupations to help you target your resume effectively.
- **Traitify:** Interactive, 5-minute online career assessment with your university email. No appointment is needed.
- **DISC Index & Values Index:** Designed to help individuals understand how their behavioral strengths and tendencies can impact their goal achievement, interpersonal communication, job selection and optimization of their personal potential.
- **Focus2:** Combines self-assessment, career and major exploration, decision making and action planning into one comprehensive product.

The Hull College of Business CAP (Career & Academic Planning) Center is available to support all business majors with career advisement by calling 706-737-1560 to schedule a virtual appointment or visiting their suite in Allgood Hall, N-112.

Job Search Preparation and Assistance

Once enrolled at Augusta University, students have access to a variety of career preparation resources including:

- Handshake: Career Services online one-stop shop for job search, career event registration, and appointment scheduling. Students seeking jobs can view full-time, part-time on- and off-campus opportunities, internships, and seasonal hiring needs. Students can use the same online portal to schedule career consultant appointments and register for Career Services events.
- Resume, cover letter, and personal statement reviews with feedback usually provided within 1 business day
- Mock interviews for employment or graduate/professional school
- Tips on networking, using social media in the job search and business etiquette

- Researching employers, competitive salaries and salary negotiations, job fairs, and employer panels

Cooperative Education

Cooperative Education is an academic program that provides an excellent means to develop marketable skills in the workplace that complement a student's educational experience in the classroom. Co-op positions are paid and structured to enhance the curriculum and expand the knowledge of the student. Students receive documentation of the Co-op experience on the academic transcript as a non-credit course. There are three Co-op plans for student participation. Under the Parallel plan, students work part-time and attend school concurrently. The Alternating plan allows students to rotate between semesters of full-time work and school. The Co-op Intern program is a paid, career-related work experience for one semester only.

To apply for the Co-op program, the candidate must be a full-time student with a declared major, a minimum overall GPA of 2.5, a minimum of 24 credit hours earned, have completed at least one full semester of coursework at AU, and be willing to work at least two academic semesters in a Co-op assignment (Co-op Intern excluded from two semester commitment). Call the office at 706-737-1604 to schedule an appointment to discuss qualifications.

Center for Undergraduate Research and Scholarship

augusta.edu/curs | 706-729-2094 | CURS@augusta.edu

The Center for Undergraduate Research and Scholarship (CURS), located in the Summerville Research Suite (AH E-325-330), fulfills part of the AU mission toward high impact engaged student learning. CURS aims to build and improve the culture of research through inclusive and collaborative relationships between undergraduate students and research mentors across all colleges. Students can find research opportunities through the Undergraduate Research Opportunity Portal and receive advising on registering for research courses. CURS sponsors a variety of programs, such as workshops on how to get started in research and presenting research in a public forum. CURS also provides grants for supplies and travel and a Summer Scholars Program to assist students in real word learning through research.

Center for Writing Excellence

augusta.edu/cwe | 706-737-1402 | cwe@augusta.edu

The Center for Writing Excellence (CWE) offers free in-person and online tutoring consultations for students, faculty, and staff working in all majors and disciplines with the goal of improving written, oral, and multimedia communication skills. Friendly and non-evaluative, the staff empowers writers to make well-informed decisions about their texts while helping them to develop individualized writing processes. Trained writing consultants assist writers at any stage in the writing process, including brainstorming, drafting, revising, and editing. The center also offers professional development for faculty who teach writing in their courses and in-class writing workshops for students to support the teaching of writing across and in the disciplines. The CWE uses best practices in composition pedagogy to inform its instruction. The center has two locations: Allgood Hall room E158 on the Summerville campus and Greenblatt Library room 1203 on the Health Sciences campus. Hours of operation vary by term and are available on the website. Appointments can be made by visiting the website; walk-ins are also welcome dependent upon consultant availability.

Distance Education

Augusta University offers a variety of distance learning programs and courses designed to help meet the evolving learning needs of students who prefer the online format or require more flexibility in their coursework. These courses are designed for students who may not be able to attend a class at a specific time, day or place due to balancing their career, family responsibilities, travel, and/or physical challenges.

Currently, Augusta University offers degree programs and courses through non-traditional delivery methods via the Internet utilizing synchronous and asynchronous technologies. The courses utilize the Desire2Learn learning management system and other online educational tools such as Echo360 lecture viewing, Cisco WebEx synchronous audio and video chatting, Video Conferencing, various online testing systems, among additional technologies.

These courses are usually asynchronous and electronically interactive, but may use a combination of live chat rooms, threaded discussions, electronic bulletin boards, email and/or interactive Web pages. Some courses are delivered via synchronous video conferencing with a professor in one site delivering live two-way video instruction to another site, generally through Cisco WebEx or Echo360 Streaming service. Augusta University has procedures in place to verify identification and to protect the privacy of students who participate in distance learning activities and students are informed of any additional charges associated with distance learning courses at the time of registration.

Augusta University authenticates that the student who registers in a distance learning course is the same student who participates in, completes the course, and receives the credit, by verifying the identity of the student using the following methods:

- 1) Requiring unique usernames and secure passwords on which students' access to all secure online and network campus resources are based. These online campus resources include, but are not limited to, access to the student information system (Banner), learning management system (Desire2Learn) through which students access their online coursework, electronic mail, as well as some course-specific systems. Passwords must be changed every 180 days and must adhere to certain complexity requirements. These procedures are outlined in the Acceptable Use Policies.
- 2) Requiring identification in the registration process including social security number during application process and photocopy of student driver's license or some other form of identification. A photocopy faxed copy will be acceptable if student is a distance-learning student and cannot travel to campus.
- 3) Some online courses require students to travel to an approved testing site for proctored exams. At each testing site, the proctor is required to check the identity of the student against an official form of ID (state-issued driver's license, passport, or student ID).
- 4) Some online courses utilize high stakes electronic exam software to administer examinations. These systems require students to log on to the Learning Management System with their unique ID and password and lock down the student's computer during the testing process.

For students enrolled in distance education courses, the last date of attendance for federal financial aid is calculated using one of the following methods:

- 1) Last date an assignment was completed
- 2) Last attempt at a exam, text, or quiz
- 3) Last interaction on a discussion post
- 4) Last interaction with the instructor of record via email regarding the course

These are the four areas that suffice for eCore as decided on by the USG auditors.

Augusta University Online

Augusta University Online brings the tight-knit community experience found on campus to students across the country. Small class sizes, engaged professors, strong relationships with a multitude of professional organizations and valuable input from subject matter experts across industries allow our graduate degrees to provide students with individualized attention and practical, real-world skills. One of the country's top universities for improving economic outcomes for low- and moderate-income graduates, Augusta University Online gives students a truly transformative degree experience that allows them to make a profound impact on their lives. Visit online.augusta.edu for more information and a list of available programs.

Online Tuition

Students are informed in advance of any additional charges associated with distance education degree programs and/or courses at the time of registration. All tuition and fee schedules are publicly available on the Augusta University website, including the costs associated with online courses so that students are notified in advance of registration of any additional expenses.

Professional and Continuing Education

augusta.edu/pace | coned@augusta.edu

The Division of Professional and Continuing Education (PaCE) sets the PaCE in distance learning and provides learning opportunities for the community, state, region, and nation. AU offers various online training programs on multiple topics, from professional certifications to personal enrichment. The online courses are affordable, fun, fast, convenient, and geared for adults with busy lives.

PaCE provides access to innovative, flexible, and responsive continuing education opportunities supporting learners of all ages seeking to grow professionally, personally, and culturally. Whether you desire to acquire new workforce skills, upgrade current skills or seek personal enrichment, we offer something for you. Search the professional and personal enrichment courses on our website to learn new possibilities of inspiration in your life. There are no academic admissions requirements to enroll in PaCE courses.

Study Abroad Office

augusta.edu/studyabroad | 706-729-2306 | studyabroad@augusta.edu

The Study Abroad Office (SAO) offers a variety of credit-bearing study abroad and away programs, both internationally and domestically. These programs typically range from 1 to 5 weeks and are designed to help students earn core curriculum or major-specific credit in an immersive, hands-on learning environment. Although most programs are first-come, first-served, some do require prerequisites or faculty approval. Program offerings vary year to year, with some departments offering recurring programs. Current programs actively recruiting students are promoted each summer on the Study Abroad website and Instagram (@aug_studyabroad).

SAO partners with USG Goes Global, a consortium offering summer study abroad programs open to students across the University System of Georgia. These programs are a great way for Augusta University students to take courses led by faculty from other USG institutions while exploring destinations like Spain, France, or Ghana. We also have an affiliation with CIS Abroad, a third-party provider offering programs for the summer, semester, or academic year. Through CIS Abroad, students have access to global internships (both in-person and virtual) in addition to the variety of academic offerings and locations.

In addition to faculty-led programs, we support independent student travelers, students who are participating in academic study abroad programs not directly led by Augusta University. Our office assists with the approval process, ensures students meet risk management and insurance requirements, and helps them stay connected to Augusta University while they are abroad.

The staff is here to help students navigate their options and find the program that best fits their academic goals, budget, and interests. Whether students are looking for a short-term spring or summer program or a semester-long adventure, the Study Abroad Office is committed to helping them make the most of their experience.

Section XV: Augusta University Leadership

*This list was published in July 2025 and will not be updated until July 2026.
For the most current information, visit the President's website at augusta.edu/president.*

President

Russell T. Keen, EdD
President, Augusta University

President's Cabinet

Marc T Austin, PhD
Associate Provost and Dean, Augusta University Online

Kristina Baggott, MBA
Interim VP, Development
AVP, Volunteer Services and Community Engagement

Ron Booth, PE, MBA, BSME
Vice President, Facilities

Rebecca N Carroll, MEd, SPHR, SHRM-SCP
Enterprise Vice President, Human Resources

Michael Casdorph, EdD
Vice President, Information Technology, Chief Information Officer

Jorge Cortes, MD
Director, Georgia Cancer Center

Tiana Curry-McCoy, PhD
Chair, AU Faculty Senate

Kim Davies, PhD
Dean, Pamplin College of Arts, Humanities, and Social Sciences

Susan B. Davies, PhD
EVP, Enrollment and Student Affairs

Michael P. Diamond, MD
Sr. Vice President, Research

Ryan Erlacher, MS
Director, Athletics

Jack Evans, MBA
Interim EVP of Strategic Effectiveness
Chief of Staff

Garrett Green, EdD

Associate VP of Access, Success and Belonging

Karen J. Head, PhD

Associate Provost, Faculty Affairs

David C. Hess, MD

Executive Vice President, Medical Affairs and Integration

Interim EVP for Research and Innovation

Dean, Medical College of Georgia

Anthony Hightower, JD

Interim VP of Audit, Compliance, Ethics, and Risk Management

Zach Kelehear, EdD

Vice Provost

James Lyon, MPA

AVP, Public Safety and Police

Chris Melcher, JD

VP, Legal Affairs/General Counsel, Augusta University

Margie Miller, MA

VP, Government Relations

Tara Montroy, MPA

AVP Budget Planning and Operations

Elizabeth NeSmith, PhD

Dean, College of Nursing

Lester Pretlow, PhD, CLS(C), NRCC(CC)

Dean, College of Allied Health Sciences

Richard Rogers

Chair, AU Employee Advisory Council

Alexander Schwarzmann, PhD

Dean, School of Computer and Cyber Sciences

Jennifer Scott, MPA

Interim VP, Communications and Marketing

Michael W. Shaffer, BA

EVP, Strategic Partnerships and Economic Development

Jennifer Sullivan, PhD

Interim EVP for Academic Affairs

Provost

John Sutherland, PhD

Dean, College of Science and Mathematics

Suzanne Tatum, BA

Deputy COS and AVP, External Relations

Mark Thompson

Dean, Hull College of Business

Yvonne Turner, CPM, CCP

EVP Finance and Administration

Chief Business Officer

Corrina Warner, MBA

VP, Finance

Bradley Warren, MLS

Dean of Libraries

Teresa Waters, PhD

Dean, School of Public Health

Stephen R Wertz, BBA

VP, University Foundations

Mickey Williford, MPA

VP, Institutional Effectiveness

Judi Wilson, EdD

Dean, College of Education and Human Development

Nancy Young, DMD

Dean, Dental College of Georgia

Section XVI: Faculty Listing

*This list was published in July 2025 and will not be updated until July 2026.
For the most current faculty contact information, see the online Faculty Directory at augusta.edu/faculty/directory.*

A

Abais-Battad, Justine M

Assistant Professor, Physiology

PHD, 2014, Virginia Commonwealth University; BS, 2009, Virginia Commonwealth University

Abdelsamed, Hossam Aly

Assistant Professor, Immunology Center of Georgia

PHD, 2012, University of Tennessee Health Science Center; BS, 2001, Ain Shams University

Abdelsayed, Rafik A

Professor, Oral Biology & Diagnostic Sciences

BDS, 1980, Cairo University; DDS, 1993, Indiana University-Purdue University Indianapolis; MS, 1990, Indiana University-Purdue University Indianapolis

Abdulovic-Cui, Amy L.

Interim Chair, Biological Sciences

PHD, 2007, Emory University; BS, 2001, Grove City College

Abebe, Worku

Associate Professor, Oral Biology

PHD, 1990, University of British Columbia

Abed, Wafa Y

Lecturer, Mathematics

MBA, 2014, Georgia Regents University; MS, 1989, Yarmouk University; BS, 1987, Yarmouk University

Abuzeid, Adel Mohamed Osman

Associate Professor, Surgery

MBBS, 1999, St. Bartholomew's & the Royal London Hospital

Acosta, Moniqua Sue

Lecturer, English & World Languages

MA, 2008, University of Florida; BA, 2005, Augusta State University

Adair, Dionne Joy

Assistant Professor, Pediatrics

MD, 2011, University of the West Indies

Adam, Bao-Ling

Assistant Professor, Surgery

PHD, 1990, Old Dominion University; BS, 1982, Taiwan Normal University

Adeyemi, Amidat

Assistant Professor, Medicine

MD, 2017, Augusta University; MSC, 2007, Georgia Institute of Technology; BSChEM, 2005, SUNY College at Purchase

Agabin, Edward V

Associate Professor, Medicine

MD, 2011, Ross University School of Medicine; MPH, 2021, Augusta University; BS, 2007, University of Florida

Agarwal, Gautam

Section Chief, Surgery

MBBS, 1994, Sriram Chandra Bhani Medical College and Hospital

Agbali, Raphael Ayegba

Assistant Professor, Institute for Public and Preventive Health

PHD, 2023, Augusta University; MPH, 2014, Emory University; BPHARM, 1997, University of Jos

Agee, Brian M

Assistant Professor, Chemistry and Biochemistry

PHD, 2015, Tennessee Technological University; MS, 2009, Tennessee Technological University; BS, 2007, Tennessee Technological University

Agha, Anila Quayyum

Professor, Art and Design

MFA, 2004, University of North Texas; BFA, 1991, National College of Arts

Agochukwu, Uzundu F

Professor, Surgery

MD, 2007, Indiana University-Purdue University Indianapolis; BS, 2003, Louisiana State University Health Sciences Center

Agualimpia Garcia, Andrea

Assistant Professor, Pathology

MD, 2009, Universidad del Valle-Cali

Agyapong, Afua Mmra

Associate Professor, Speech & Language

PHD, 2018, University of North Dakota; MS, 2012, University of North Dakota; BGS, 2010, Minot State University

Ahlman, Mark A

Associate Professor, Radiology and Imaging

MD, 2008, Augusta University; BS, 2004, Columbus State University

Ahmadieh, Samah

Assistant Professor, Medicine

MD, 2018, Mercer University; BS, 2013, University of Georgia

Aiken, Caroline Marie

Instructor, Prelicensure Nursing

DNP, 2018, Augusta University; BSN, 2013, Georgia Regents University

Ajith, Ashwin

Assistant Research Scientist, Georgia Cancer Center

PHD, 2019, Augusta University; MSC, 2011, Manipal University; MS, 2014, SUNY at Buffalo; BSC, 2009, Manipal University

Akers, Troy Wayne

Assistant Professor, Emergency Medicine
DO, 2008, Edward Via College of Osteopathic Medicine; BS, 2003, Bridgewater College

Al Haj Ali, Emad

Assistant Professor, Otolaryngology
MD, 2003, University of Damascus

Albert, Craig D

Professor, Social Sciences
PHD, 2009, University of Connecticut; MA, 2003, University of Connecticut; BA, 2001, Augusta State University

Albritton, Josephine Belle

Assistant Professor, MCG-UGA Medical Partnership
MD, 1984, Augusta University; BS, 1980, Augusta State University

Albritton, Thomas A

Professor, MCG-UGA Medical Partnership
MD, 1980, University of Guadalajara; BS, 1976, University of Georgia

Alderman, Penny T.

Senior Lecturer, Social Sciences
BA, 1995, University of Georgia

Aleroud, Ahmed

Associate Professor, Computer & Cyber Sciences
PHD, 2014, University of Maryland, Baltimore; BS, 2006, The Hashemite University

Ali, Muhammad Salman

Assistant Professor, Neurosurgery
MBBS, 2007, Bahria University

AlJaroudi, Wael Adnan

Professor, Medicine
MD, 2002, American University of Beirut

Alkathiri, Saleh Ali Abdulaziz

Assistant Professor, Radiology and Imaging
MBBS, 2010, Jordan University of Science

Allen Jr., Kevin Lindsey

Assistant Professor, Emergency Medicine
MD, 2012, Meharry Medical College; BS, 2008, North Carolina Central University

Allen, Cletis Geraldine

Instructor, Teaching and Leading
PHD, 2021, Georgia State University; EDS, 2015, Mercer University; MED, 2013, Georgia State University; BA, 2011, Emory University

Allen, Cshanyse A

Assistant Professor, Doctorate of Nursing Practice Program
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