

# MCG CATALOG

[MCG Catalog > Academic Regulations](#)

## Academic Regulations

Academic Regulations are located on the Office of the Registrar website. Direct links are provided here for your convenience. You are leaving the Catalog:

- ▣ [Academic Honesty](#)
- ▣ [Academic Probation, Dismissal and Suspension](#)
  - [Adding and Dropping Courses](#)
  - [Attendance](#)
  - [Auditors](#)
  - [Classification of Students](#)
- ▣ [Continuing Enrollment During Breaks in Academic Calendar](#)
- ▣ [Course Numbering System](#)
  - [Campus Review Body](#)
  - [Curriculum Changes](#)
  - [Dean's List](#)
  - [Educational Records](#)
- ▣ [Examinations](#)
- ▣ [Good Standing and Satisfactory Progress](#)
  - [Grades](#)
  - [Grade Changes](#)
  - [Graduation Requirements](#)
  - [Graduation with Honors](#)
- ▣ [Late Registration Policy](#)
  - [Normal Course Load](#)
  - [Planning the Academic Program](#)
  - [Professional Liability Insurance](#)

- Registration
- Registration for Make-up of Incomplete Grades
- Repeated Course Work
- Units of Credit
- Withdrawal from the University (pdf)

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# MCG CATALOG

[MCG Catalog](#) > [Student Services](#)

## Student Services

Direct links to specific pages are provided here for your convenience. You are leaving the Catalog:

- [Bookstore](#)
- [Career Services](#)
- [Educational Outreach](#)
- [Express Card](#)
- [Housing \(Residence Life\)](#)
- [Library](#)
- [Registrar](#)
- [Student Center Cafeteria](#)
- [Student Diversity](#)
- [Student Health](#)
- [Wellness Center](#)

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## School of Nursing: Course Descriptions Fall 2007

Department	Course Subject	Course No.	Course Title	Course Description	Credit Hrs.	Bill Hrs.	Lecture Hrs.	Lab Hrs.	Other Hrs.
Nursing	NURS	6100	Pathophysiology	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.	3	3	3		
Nursing	NURS	6200	Healthcare Therapeutics	The course introduces the basic principles of clinical pharmacology and nutrition as therapeutic interventions in the health care 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.	4	4	4		
Nursing	NURS	6600	Health Care Del Models Econ Po	This course introduces the aspects of health care delivery systems, economics, ethics and policy, which serves as a foundation for	3	3	3		

understanding and applying the dynamics of these principles in clinical practice.

Nursing	NURS	6700	Nursing Therapy and Professional Nursing	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.	6	6	3	2	1
Nursing	NURS	6730	Intro to Anesthesia Nursing	The student is introduced to the role of the anesthetist as an advanced practice nurse. The course presents an overview of clinical anesthesia practice, explores of the role of the nurse anesthetist within the context of the health care system, and introduces professional behaviors expected of all advanced practice nurses to include models for critical thinking, decision making, and communication. Prerequisite: Admission to the Nursing Anesthesia Program or permission of the instructor.	2	2	2		
Nursing	NURS	6741	Anat & Phys for Nurse Anesth	Effect of anesthesia on normal adult and 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.	4	4	4		4

Prerequisite: None

Nursing	NURS	6750	Chem Phys Biochem Nur Anesthesia	Provides registered nurses with the basis for understanding the physiologic and pharmacologic principles underlying the practice of anesthesia nursing. Emphasizes concepts of chemistry, physics and biochemistry which are applicable to the clinical practice of anesthesia nursing. Prerequisite: Admission to Nursing Anesthesia Program	3	3	3	
Nursing	NURS	6761	Pharm of Anesthetic Agents	In-depth exploration of the pharmacologic properties, indications, contradictions, and interactions of drugs used in the practices of anesthesia nursing. Topics include, inhalation anesthetics, local anesthetics, narcotics, sedatives, anxiolytics, and neuromuscular blockers. Prerequisite: Admission to the Nursing Anesthesia Program	3	3	3	
Nursing	NURS	6780	Principles of Nurs Anesthe I	Provides nursing anesthesia students with the theoretical basis to administer anesthesia to patients across the life span. Building on knowledge gained in previous courses, this course will emphasize normal and abnormal physiologic conditions in the pediatric, obstetric and geriatric patient. Anesthesia principles for pain management and common surgical procedures occurring across the life span will be considered. **NOTE - A lab fee of \$1,000 for this course takes effect in Fall 2004** Prerequisite: NSG6790: Principles of Anesthesia Practice I	4	4	3	3
Nursing	NURS	6790	Principles of Nurs Anesthe II	Provides a beginning foundation for students to plan and implement nursing	5	5	4	3

anesthesia care. Topics include: pre- and post-anesthesia assessment, monitored anesthesia care, induction and maintenance of general anesthesia, and complications of anesthesia in the healthy patient. \*\*NOTE - A lab fee of \$1,000 for this course takes effect in Fall 2004\*\* rerequisite: NSG6730: Introduction to Nursing Anesthesia  
 NSG6820: Technology and Techniques for Nursing Anesthesia NSG6760: Pharmacology of Anesthetic Agents (Co-requisite)

Nursing	NURS	6800	Principles of Nurs Anesthe III	Prerequisite: NSG6780: Principles of Anesthesia Practice II Builds on previous knowledge to provide a thorough understanding of anesthesia nursing care for the patient undergoing specialized procedures and patients with altered health states. **NOTE - A lab fee of \$1,000 for this course takes effect in Fall 2004**	5	5	4	3
Nursing	NURS	6810	Technology and Technique in Nursing Anesthesia	Covers design and use of equipment common in anesthesia nursing, including hemodynamic monitors, airway management devices, anesthesia machines and mechanical ventilators.	2	2	1	3
Nursing	NURS	6820	Professional Aspects of Nursing Anesthesia	Students' understanding of a complex health care 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.	2	2	2	
Nursing	NURS	6830	Perspectives on	Requirements for comprehensive anesthesia	2	2	2	

			Rural Anesthesia	care services in rural and medically underserved communities are explored. The availability of services in selected communities are evaluated.				
Nursing	NURS	6840	Nurs Anesth Clinical Practicum	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.	1	1		1
Nursing	NURS	6850	Nurs Anesth Specialty Practicu	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.	1	1	1	
Nursing	NURS	6860	Nursing Anesthesia Rural Practicum	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.	4	4		
Nursing	NURS	6880	FNP I Hlth Promo & Prob Adlt	Prepares family nurse practitioners to assume responsibility for health promotion, disease prevention, early detection and management of common acute and chronic health problems of adults and their families in primary health care settings. Emphasizes description of the condition or disease, etiology and incidence, clinical findings, differential diagnosis, management, complications and preventive and patient education measures. Considers	6	6	3	9



cultural and ethical issues that affect health care delivery and client adherence to management plan. Uses established protocols for practice to indicate the need for consultation, referral and community resources.

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Nursing	NURS	6890	FNP II Hlth Promo & Prob Elder	Prepares 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 his family. Nurse practitioner's role in promoting successful aging, maintaining function and promoting self-care, using community, personal and family resources. Emphasizes common geriatric syndromes and problems including chronic illnesses and their management. Ethical dilemmas that impact health care of older adults are integrated throughout course.	5	5	2	9
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Nursing	NURS	6900	FNP II Hlth Promo Child & Fam	Prepares family nurse practitioners to assume responsibility for health promotion, maintenance and management of common acute and chronic health problems of infants, children and adolescents in primary health care settings. Emphasizes description of the condition or disease, etiology and incidence, clinical findings, differential diagnosis, management, complications and preventive and patient education measures. Considers cultural and ethical issues that affect health care delivery and client adherence to management plan. Uses established protocols for practice to indicate the need for consultation, referral and community resources.	6	6	3	9
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Nursing	NURS	6920	Mgmt of Chldn Acte & Com Probl	Prepares family nurse practitioners to assume responsibility for health promotion, maintenance and management of common acute and chronic health problems of infants, children and adolescents in primary health care settings. Emphasizes description of the condition or disease, etiology and incidence, clinical findings, differential diagnosis, management, complications and preventive and patient education measures. Considers cultural and ethical issues that affect health care delivery and client adherence to management plan. Uses established protocols for practice to indicate the need for consultation, referral and community resources.	6	6	3	9
Nursing	NURS	6930	Mgmt of Child Chrnc Hlth Prob	Data to enhance the direct care and management of children from birth to adolescence experiencing chronic health problems. Emphasizes P.N.P.'s role regarding management, family involvement, health promotion and teaching, health maintenance and continued collaboration with health professionals. Includes 135 hours of supervised clinical practices.	5	5	2	9
Nursing	NURS	6960	Hlth Prom Superv Brth Adolesce	This course is designed to prepare pediatric and family nurse practitioners to provide primary health care services to infants, children and adolescents in the context of their families, communities and society. Emphasis is placed on providing health maintenance, health promotion, disease prevention and health restoration services as a member of a health care team. Interprofessional collaboration and referral are integrated	4	4	2	6

throughout the course. Ninety hours of supervised clinical practice are included.

Nursing	NURS	6970	Growth & Dev across Lifespan	This course is designed to prepare advanced practice nurses to describe and analyze the cognitive and socioemotional development of individuals from birth to death. The analysis of interactions between individuals at different stages of development in families, groups and society will be emphasized.	2	2	2	
Nursing	NURS	6980	Nurse Practitioner Practicum	The nurse practitioner practicum experience provides the student an opportunity to assume responsibility for the primary health care services of individuals and families under the supervision of an established nurse practitioner and/or physician preceptor. Students will be expected to practice as a Nurse Practitioner, assuming increasing responsibility for planning and implementing therapeutic processes and for documenting and evaluating outcomes of care. This intensive practice experience allows the student to apply theories through the investigation and management of health problems in primary health care settings.	6	6	1	15
Nursing	NURS	6990	Scientific/Clinical Inquiry	This course focuses on clinical reasoning and decision-making skills. 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	2	2	2	

concepts and principles into strategies for the Clinical Nurse leader role.

Nursing	NURS	7000	Nursing Prac / Clinical Reas I	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 will be responsible for the clinical management of comprehensive client care along the continuum of care in multiple settings.	7	7	3	3	12
Nursing	NURS	7030	Hlth Care Deliv System & Models	Course provides the basis for understanding the evolving health care system and nursing's role within the system. Sociopolitical, economic, technological, and legal/ethical concerns impacting the delivery of health care in United States are emphasized.	2	2	2		
Nursing	NURS	7100	Integr Health Care: Comm Healt	This course will build on previous course knowledge and will provide a theoretical foundation in community assessment, disease prevention, and health behavior. The theoretical concepts will be 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 will be examined and synthesized utilizing hisotrical, philosophical, legal, and ethical foundations and integrated knowledge. During the clinical segment, the student will be responsible for the clinical management of comprehensive client care along the continuum of care in multiple community settings.	3	3	2		4

Nursing	NURS	7200	Directed Studies in Adv Scienc	Directed Studies in Advanced Science involves the systematic attempt to explain a phenomena of interest. It is a foundational course in seminar format that allows students to explore the scientific underpinnings of advanced nursing practice. Under the direction of their advisors, students will design a concentrated self directed learning plan based on the scientific knowledge needed for advanced practice in an area of clinical concentration or phenomenon of interest. It includes disciplinary questions while providing answers to questions that are at the core of the discipline of nursing (Meleis, 2005) and includes knowledge based on empirical evidence. Prerequisite: Graduate DNP Standing or permission of the instructor.	3	3	3	0	3
Nursing	NURS	7210	Adv Seminar Hlth Care & Econ	National, state and local health care policy impacts health care at the level of delivery. Economics is a driving force in health care that impacts policy and the manner in which health care is provided. Health care delivery models and reimbursement mechanisms will be analyzed from a policy and economic perspective. The relationship between policy, economics and patient care will be examined in areas such as the distribution of limited resources, health care disparities, diffusion of technology, and current issues in health care. Students will critically examine a clinical issue from an integrated policy and economic perspective in the form of a publishable essay.	3	3	3		3
Nursing	NURS	7215	Nursing Prac thru	The course continues to develop the clinical	5	5	2	3	8

Clin Reas II

nursing and reasoning skills essential for the clinical nurse leader to deliver high-quality, client-focused, accountable care. As an integral part of nursing practice, the focus will continue building on health promotion, illness prevention and maintenance of the client's 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

Nursing	NURS	7220	Methods for Evidence Based Pra		3	3	
Nursing	NURS	7221	Strategic Resource Management	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 economics, organizations and systems.	3	3	3
Nursing	NURS	7222	Sys to Improve Health Outcomes	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.	3	3	3
Nursing	NURS	7223	Bioethics in Nurs and Health	Bioethical dilemmas are confronted daily across health care settings. Bioethical issues in current and future health care 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 health care. Students will critically examine an ethical issue in their speciality area with implications for the future and prepare a publishable essay.	2	2	2

Nursing	NURS	7224	Adv Seminar in Health Care Pol	National, state and local health care policy impacts health care at the level of delivery. Students will critically examine clinical issues and how health care policy impacts the outcomes. Relationships between policy and patient care will be examined in areas such as the distribution of limited resources, health care disparities, diffusion of technology, and current issues in health care. Students will critically examine a clinical issues and how health care policy impacts outcomes in a form of a publishable essay.	2	2	2	
Nursing	NURS	7225	App of Clinical Prac: Proj ID	Students who enter the DNP program will have an identified practice area. In this course students will refine specific issues realated 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 fedefine their practice as they continue through the program.	3	3	1	6
Nursing	NURS	7226	Examination of Practice	In a seminar format students will critically examine issues in nursing and health care today and explore how future directions can be impacted by nursing leadership in a collaborative environment to propositively affect outcomes for patients and their families. Students will develop an in depth evaluation of vulnerabilities and powerlessness in felation to their project population.	2	2	2	
Nursing	NURS	7230	App of Clinical Prac- Proj ID	Students who enter the DNP program will have an identified practice area. In this course students will refine specific issues related to	2	2	1	5

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.

Nursing	NURS	7235	Clinical Practice Project ID		3	3	1	6	3
Nursing	NURS	7235	Appl of Clinc Pract: Proj Dev.	In this course student swill develop their project in their parctice that will lead them to the project outcome at program completion. Students will work with their population and community resources in their area as well as discuss issues with practice leaders to develop and refine their project goals.	1	1	1		0
Nursing	NURS	7245	Clinical Prac: Project Dev	In this course students will implement their project. Students will work with their population and community resources in their area as well as discuss issues with practice leaders to implement their project. Student will analyze their progress toward acheiving their competencies.	5	5	1		12
Nursing	NURS	7245	Clinical Prac: Project Impleme		5	5	1		12
Nursing	NURS	7255	Project Evaluation/ Synthesis		5	5	3		
Nursing	NURS	7270	Bioethics in Nursing Healthcare	Bioethical dilemmas are confronted daily across health care settings. Bioethical issues in current and future health care 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 health	2	2	2		2



patient rights, and priority-setting in health care. Students will critically examine an ethical issue in their specialty area with implications for the future and prepare a publishable essay.

Nursing	NURS	7300	Integrated Health Care MH		3	3	2	4
Nursing	NURS	7320	DNP Project (Prod Eval/Synth)	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.	3	3	3	3
Nursing	NURS	7390	Patho in Adv Practice Nurses	Course provides students with a system-focused pathophysiology course, and includes the management of common health problems, disease processes, and syndromes. The primary focus is to provide a foundation for clinical assessment, decision making, and management of individual and family health problems. The student learns to relate this knowledge to the interpretation of human responses to situational, developmental, and genetic stressors that alter biological life processes resulting in signs and symptoms indicative of illness, and in assessing the individual's response to pharmacologic management used to diagnose, treat, and palliate these illnesses.	3	3	3	
Nursing	NURS	7400	Inte HC Women		5	5	4	1 4

Child Fam Hlth

Nursing	NURS	7420	Clinical Reas & Diff Diagnosis	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.	2	2	1	3
Nursing	NURS	7430	Pharm in Adv Pract Nursing	Course focuses on increasing the knowledge base of advanced practice nurses in pharmacology and pharmacotherapeutics. Emphasis is on the pharmacotherapeutics for common acute and chronic health problems using prototype drugs within specific drug classifications. Case studies of pathophysiological disorders are discussed, along with the pharmacologic management.	3	3	3	
Nursing	NURS	7440	Theory and Research in Adv Nsg	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.	3	3	3	

Nursing	NURS	7441	Advanced Nursing Research		2	2			
Nursing	NURS	7442	Theory for APN		2	2			
Nursing	NURS	7443	Advanced Nursing Research	This course addresses the scientific methods, research, clinical and ethical issues associated with the application of evidence-based practice (EBP) to nursing and other health care problems.	2	2	2		
Nursing	NURS	7450	Adv Prac Nursing Roles	Students explore components and variations of the advanced practice role and how social policy and health care delivery influence and are influenced by the role. Legal definitions and professional interpretations of advanced practice nursing are examined in relation to health care outcomes, resource allocation and cost effectiveness.	2	2	1	5	
Nursing	NURS	7460	Diag and Clinical Reas Adv Pra	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.	2	2	1	3	
Nursing	NURS	7470	Adv Health Assessment	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	2	2	1	2	3

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 will be conducted. Interviewing skills that enable the nurse to relate to various clients across the life span will be refined.

Nursing	NURS	7500	Clinical Leadership and Management	This course presents theories, concepts and models essential to developing leadership and management skills needed to collaborate with health care 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 leadership, management, policy, resource utilization, planning/evaluating services, and outcomes are critically examined.	2	2	2		
Nursing	NURS	7520	Adv Prac Parent Child Nursing	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.	6	6	1		15
Nursing	NURS	7600	Multisyst/High Acuity Nurs Pra	This course focuses and provides the theoretical and functional base for the	3	3	2	1	

complex management of clients with complicated, multisystem health problems.

Nursing	NURS	7800	Clinical Nurse Leader Residenc	This course focuses on the synthesis of principles of professional nursing practice into the integration of the Clinical Nurse Leader role.	11	11	2		9
Nursing	NURS	7830	Found of Adv Nursing Practice	This course is designed to assist the student to develop a clear understanding of advanced practice roles, their requirements and regulations. Students will examine the advanced practice roles of educator, clinician, consultant, administrator, collaborator, researcher, advocate, change agent, entrepreneur and case manager within the context of their specific advanced practice arena. Roles issues such as fluid boundaries, role ambiguity, and interdisciplinary relationships will be explored. Professional behaviors and ethics will be discussed as a basis for professional role development.	2	2	2		
Nursing	NURS	7920	Complex Hlth Prob w Adults	This course is designed to enable students to provide research based advanced nursing practice to young, middle, and older adult populations with common complex health problems. Emphasis will be placed on complex clinical analysis to develop and monitor comprehensive, holistic plans of care/critical paths that address the health promotion, disease prevention and health restoration needs of this population. Students have opportunities in a variety of settings for variance analysis to mobilize the health care system.	4	4	2	1	6
Nursing	NURS	7930	Adlt Nurs Clinic Nurs Spec Res	This course is designed to enable the student to function efficiently as a CNS. The student	6	6	1		15

negotiates, implements and evaluates a multidimensional CNS residency in a selected health care setting. Emphasis is placed on synthesis of advanced practice roles and functions to effect change within health care systems. Students are expected to develop and work in collaborative and interdependent relationships.

Nursing	NURS	7950	Adv Acure Care in Adlt Hlth	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 subacute 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.	3	3	1	6
Nursing	NURS	7960	Adv Crit Care in Adult Health	This course is designed to enable students to acquire in-depth knowledge and skills related to adult critical care nursing specialty area. Clinical experience focuses on case management in critical 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	3	3	1	6

of adults and their families experiencing health problems within a chosen critical care 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.

Nursing	NURS	7970	Lab and Diag Tests in Adv Prac	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.	3	3	3
Nursing	NURS	7980	DNP Residency	In this series of clinical courses students demonstrate refined assessment skills and base practice on the application of biophysical, psychosocial, behavioral, sociopolitical, cultural, economic, and nursing science as appropriate in their area of specialization.	2	2	6
Nursing	NURS	7990	Independent Study	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.	1	1	1
Nursing	NURS	7991	Independent Study	This course enables the student to pursue a specified area of study which supports the	1	1	1

student's program of study. Teaching strategies include dyadic modalities; no clinical.

Nursing	NURS	7992	Independent Study	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	1	1		1
Nursing	NURS	7995	Informatics for Evidenc Bas Pr	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.	3	3	3	3
Nursing	NURS	8100	Seminar in Acad Career Dev	This course explores the multi-faceted roles of nursing faculty, with specific emphasis on career development and teaching effectiveness.	2	2		
Nursing	NURS	8500	Phil Found of Nurs Science	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.	3	3		3
Nursing	NURS	8510	Theory Dev for Health Inquire	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	3	3	3	



the development of a conceptual design demonstrating links between theoretical concepts and research processes.

Nursing	NURS	8620	Measurement in Health Rsch	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.	3	3	3
Nursing	NURS	8650	Qualitative Design Analysis	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.	3	3	3
Nursing	NURS	8850	Patient Safety and Provider Pe	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.	3	3	3
Nursing	NURS	8860	Critical Anal of Hlth Behav Th	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	3	3	3

consistency and external application to a variety of health and health care areas. Specific areas of research that were based on the theoretical perspectives will be examined and critiqued.

Nursing	NURS	8870	Theory & Research in Hlth	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.	3	3	3
Nursing	NURS	8880	Clinical Outcomes Research	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	3	3	3

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.

Nursing	NURS	9020	Seminar in Nursing	A faculty member offers a seminar on a special topic for two or more students.	1	1			1
Nursing	NURS	9240	Independent Study	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.	1	1			2
Nursing	NURS	9250	Investigation of a Problem	The student works with individual faculty members on a specific investigative research problem. The course provides an introduction to the scientific method in action. 1-12 variable credits.	1	1			1
Nursing	NURS	9300	Research Thesis	The entire research process is utilized to investigate a research question including a theoretical or conceptual framework and data collection. A standard written format for reporting of findings followed.	1	1			1
Nursing	NURS	3100	Principles of Prof Nurs Practi	This is an introductory course in health assessment and beginning principles of nursing care. Didactic classes and lab experiences provide a foundation on which students can build their professional nursing knowledge and practice. Strategies for health assessment, promotion, and basic provision of nursing care will be emphasized.	6	6	4	6	50

Nursing	NURS	3101	Found I Concepts of Prof Nurs	The purpose of this course is to explore the beginning development of professional nursing practice. Nurses' professional roles, professional values, and standards will be presented. The historical development of the nursing profession will be analyzed. Emphasis is placed on critical thinking, problem-solving, decision-making models, and the contribution of theory to nursing practice. Professional communication skills and group dynamics will be examined.	2	2	2	51
Nursing	NURS	3102	Patho and Pharm I	This course introduces the pathophysiological basis of illness and the basic principles of clinical pharmacology. The focus of this course is on compromises in the body's ability to meet its physiological needs integrated with nursing-based pharmacologic interventions in response to these compromises.	3	3	3	
Nursing	NURS	3103	Lifespan I Care of Beg Family	Examination of the health and wellness activities of individuals and their families from birth to age 20. Emphasizes theories regarding beginning families and child-rearing, well-child assessment, and common health problems in children and adolescents. Explores compromises to physical, social and mental health common during these ages and the impact of these compromises on the individual and family are explored. Professional nursing activities that promote and restore optimal health/wellness are the focal points for didactic and clinical experiences. Through the use of various problem-solving methods, students can apply didactic information in actual patient situations.	5	5	3	57

didactic information in actual patient situations and will be guided in bridging nursing theory and practice and in making decisions regarding nursing care. Clinical activities occur in a myriad of nursing practice settings which are both hospital and community-based.

Nursing	NURS	3104	Lifespan II Care of Young Fam	Examines the health and wellness activities of individuals and their families from age 20 to 45. Lifespan relevant issues such as childbearing, parenting roles, family theory, individual development and common health problems in young adulthood. Explores compromises to physical, social and mental health common during these ages and the impact of these compromises on the individual and family. Professional nursing activities that promote and restore optimal health/wellness are the focal points for didactic and clinical experiences. Through the use of various problem-solving methods, students can apply didactic information in actual patient situations and will be guided in bridging nursing theory and practice and in making decisions regarding nursing care. Clinical activities occur in a myriad of nursing practice settings which are both hospital- and community-based.	5	5	3	1	57
Nursing	NURS	3105	Fund Skills of Nursing Practic	This course introduces therapeutic skills and techniques of nursing care. Emphasis is on understanding the scientific principles that underlie the application of skills in nursing practice. Didactic classes combined with laboratory and simulation experiences provide a foundation for building professional nursing	4	4	2	6	

a foundation for building professional nursing knowledge and practice.

Nursing	NURS	3106	Health Promotion	This course focuses on health promotion and prevention of disease across the lifespan. Determinants of health and current evidence of best practice at all levels of prevention are explored. Nursing roles and strategies to guide individuals and families on ways to positively influence their own health are emphasized.	2	2	2
Nursing	NURS	3107	Health Assessment	This course introduces the knowledge and skills required to perform a systematic health assessment of individuals incorporating cultural and developmental considerations. The process of data collection, critical evaluation and documentation of assessment findings is addressed. Guided laboratory experiences develop skills necessary to perform systematic physical examinations.	3	3	2 2
Nursing	NURS	3108	Princ of Pathophysiology	The course focuses on the exploration, integration and application of pathophysiological concepts necessary to provide rationales and guidance for nursing practice. Concepts are correlated to clinical presentations of specific disease processes across the lifespan.	3	3	3
Nursing	NURS	3109	Principles of Pharmacology	The course focuses on basic principles of pharmacology and drug therapy necessary for safe nursing practice. The nursing process, health assessment, physiology and pathophysiology are integrated with pharmacology to provide the foundation for clinical practice. Drug families and prototypes are used to introduce pharmacological	3	3	3

are used to introduce pharmacological concepts.

Nursing	NURS	3110	Essentials of Nursing Practice	This course integrates the nursing process with health assessment, pathophysiology, pharmacology, and laboratory findings to provide patient and family centered care. The focus is the nurse's role as a collaborative member of the health care team. Exemplars of common health alterations are explored.	6	6	2	12
Nursing	NURS	3201	Foundations II Health Care En	This course examines the rapidly evolving field of health care and the central role of nurses as health care providers. Community based nursing practice which encompasses all health care environments is introduced. Focus is given to topics such as health care along a continuum, health care structures, and the influence of information driven and outcomes based health care systems. Nursing practice derived from national, regional, and local health priorities serve as central points for discussion. Trends which influence health and the choices people make regarding health care are explored. Students participate in learning opportunities involving analysis of practice-related issues and forecasting of trends in U.S. Health care.	2	2	2	
Nursing	NURS	3202	Patho and Pharm II	This course continues to introduce the pathophysiological basis of illness and the basic principles of clinical pharmacology. The focus of this course is on compromises in the body's ability to meet its physiological needs integrated with nursing-based pharmacologic interventions in response to these compromises.	3	3	3	

Nursing	NURS	3203	Lifespan III Care of Mid Fami	Examines the health promotion and wellness activities of those age 45-65. Explores compromises to physical, social and mental health common during this age period and the impact on the individual and family. Professional nursing activities that promote and restore optimal health/wellness are focal points for didactic and clinical experiences. Clinical activities occur in a myriad of nursing practice settings, which are both hospital- and community-based.	5	5	3	1	6
Nursing	NURS	3204	Lifespan IV Care of Mature Fa	Examines the health promotion and wellness activities of individuals and their families age 65 and older. Explores compromises to physical, social and mental health common during this age period and the impact on the individual and family. Focuses on lifespan-relevant issues such as loss, grief, caregiver roles and community resources. Professional nursing activities that promote and restore optimal health/wellness are focal points for didactic and clinical experiences. Clinical activities occur in a myriad of nursing practice settings, including hospital, extended care, home and community settings.	5	5	3	1	6
Nursing	NURS	3205	Nursing Care of Adults	This course focuses on the nursing care of adults with acute and chronic health conditions. The emphasis is the provision of nursing care to promote, maintain, and restore health for adults and their families.	4	4	4		
Nursing	NURS	3206	Found of Professional Nursing	This course introduces professional roles, models, values, and practice standards for the profession of nursing. History, theories and trends in nursing practice are discussed. An overview of the healthcare system is included.	3	3	3		



overview of the healthcare system is included. Ways in which nurses use evidence to guide practice, engage in critical thinking, and promote the science of nursing are introduced.

Nursing	NURS	3210	Clinical Nurs Care of Adults	This clinical course focuses on the nursing care of adults with acute and chronic health conditions. The emphasis is the provision of nursing care to promote, maintain, and restore health for adults and their families. Clinical experiences with diverse populations in actual and simulated hospital and community settings provide the opportunity for application of the nursing process.	4	4		12
Nursing	NURS	3215	Gerontological Nursing	This course focuses on promoting optimal health and examining common health alterations in older adults within the context of their families and environments. The promotion and restoration of optimal health/wellness are the focal points for didactic and clinical experiences.	3	3	2	3
Nursing	NURS	3500	Independent Study	Independent Study	2	2		
Nursing	NURS	4301	Foundations III Rsch Lgl Issu	The purpose of this course is to provide the students with opportunities to explore legal/ethical issues in nursing and the importance of research to nursing practice. Emphasis is placed on preparation for dealing with the legal and ethical problems they will be faced with in day to day nursing situations. The research process will be examined as it applies to nursing practice. The course is designed so that the student can develop critical thinking skills while analyzing case studies involving legal/ethical dilemmas and critiquing published nursing research.	3	3	3	65

Nursing	NURS	4302	Prof Nurs Management	This course focuses on health promotion, restoration and rehabilitation through application of principles of nursing practice with individuals and families experiencing complex health problems. Emphasis is on continuity of care, collaboration with the health care team and mobilization of resources for individuals and families with complex physical, mental and social health problems. Clinical experiences occur in a variety of settings.	9	9	3	1	83
Nursing	NURS	4305	Nurs Care of Women, Child, Fam	This course examines nursing care of childbearing and childrearing families within the context of families and their environments from culturally diverse backgrounds. Special emphasis is given to factors influencing conception, pregnancy, birth and childhood. The emphasis is the provision of nursing care to promote, maintain, and restore health for women, children and their families.	4	4	4		
Nursing	NURS	4306	Research Evidence Based Practi	This course introduces the processes of research in order to understand and apply research findings from nursing and other disciplines to clinical practice. Basic elements of evidence based practice and identification of potential research problems are emphasized.	2	2	2		
Nursing	NURS	4310	Clinic Nurs Women, Child, Fami	This clinical course focuses on the nursing care of women, children, and families. Clinical experiences with diverse populations in actual and simulated hospital and community settings provide the opportunity for application of the nursing process.	4	4			12

Nursing	NURS	4315	Psychiatric Mental Health Nurs	This course focuses on the constructs of mental health and mental disorders. Factors that contribute to the development, expression, and course of mental disorders are explored. Promoting health and maintaining optimal functioning is the focus of didactic and clinical experiences.	3	3	2	3
Nursing	NURS	4401	Foundations IV Lead Mgmt Comm	This course will focus on the development of knowledge and skills needed to promote health care of population groups. The course examines the impact of changes of health care on aggregate groups. Theories, concepts and models are presented and students have an opportunity to develop competencies of leadership and management needed for collaboration with community members, health care providers as well as agencies and resources in the community. The overall purpose of this course is to develop and apply creative and effective roles for managing and leading in the delivery of nursing care.	3	3	2	3
Nursing	NURS	4402	Prof Nursing Practice	This course focuses on the principles of professional nursing practice and provides the student the opportunities to synthesize and integrate previous learning experiences. The purpose of this course is to provide comprehensive clinical experiences for the student to assist in the transition from student to professional nurse.	9	9	3	18
Nursing	NURS	4405	Synthesis of Nursing Practice	This course synthesizes the skills and knowledge necessary to function as a beginning professional nurse. Ethical and legal issues and the ensuing dilemmas relevant to nursing practice are analyzed.	3	3	3	

Nursing	NURS	4406	Leadership and Management	This course focuses on leadership, management and the role of the professional nurse. Skills for being an effective leader, manager and building a successful career are discussed.	3	3	3	
Nursing	NURS	4410	Clinical Synthesis of Nurs Pra	This clinical course focuses on the synthesis of skills and knowledge necessary to function as a beginning professional nurse. Emphasis is on the continuity of care through collaboration with the health care team and mobilization of resources for individuals and families with complex health problems. Actual and simulated clinical experiences with diverse populations provide the opportunity for application of the nursing process.	5	5		15
Nursing	NURS	4415	Population and Comm Health	This course combines knowledge and skills from public health science and professional nursing practice to promote the health of populations. Emphasis is placed on partnership development and empowerment of populations for the improvement of a community's health.	4	4	3	3
Nursing	NURS	4500	Independent Study	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	1	1		1
Nursing	NURS	4501	Independent Study	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	1	1		1
Nursing	NURS	4503	Independent Study	This course enables the student to pursue a specified area of study which supports the student's program of study. Teaching	1	1		1

strategies include dadic modalities; no clinical

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Nursing	NURS	4602	Substance Abuse Nursing	This elective provides a broad overview of substance abuse and dependency as a major health problem with a central focus on nursing issues. The nursing care roles and responsibilities of these clients in the hospital and community receive primary emphasis. Attention is given to the consequences of abuse and dependency on family members and special populations. Commonly abused substances and their effects are reviewed. Students examine their personal attitudes toward substance abusers and substance-abuse disorders as health problems. Contemporary treatment philosophies to assist clients to achieve and maintain recovery are discussed. Students will attend community based support groups for the client and family. Use of the Internet may be required.	3	3	3
Nursing	NURS	4603	Nutrition in Clinical Nursing	Focuses on the nutritional needs of the client as related to alterations in health and/or environment. The influences of sociocultural and biophysical factors that impact nutrition are analyzed. Client's nutrition are critiqued to assess client needs and make referrals when appropriate.	3	3	3
Nursing	NURS	4604	Application of Diag Interpreta	This elective builds upon the basic laboratory and diagnostic information received in junior courses while, introducing deeper analysis and interpretation of these tests. Content will focus on the integration of pathophysiology, pharmacology and physical assessment as applied to laboratory and diagnostic test interpretation. Selected therapeutic modalities will also be discussed. The role of nurse in	3	3	

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preparing clients for and/or receiving them after testing will be explored, with client teaching needs integrated throughout.

Nursing	NURS	4605	Issues in Wmns Health Care	This survey course offers an introduction to students on contemporary and discussed in bi-weekly seminars in women's health. Examine society's impact on women's health and information about women's common health concerns.	3	3		
Nursing	NURS	4606	Perioperative Nursing	The purpose of this course is to introduce the student to the roles of the professional nurse in the perioperative setting. Students will have the opportunity to implement the nursing process within the preoperatives, intraoperative, postoperative and postrecovery phases of the patient's surgical experience.	3	3	2	3
Nursing	NURS	4607	Nurs Care of Client w Disaryt	EKG Interpretation and Nursing Interventions is a course designed to provide nursing students with a comprehensive understanding of normal and abnormal cardiac electrophysiology. The learner is expected to utilize knowledge obtained from the previous pathophysiology course when discussing pathology related to arrhythmias. A major emphasis will be on nursing interventions specific to the care of clients experiencing arrhythmias. Learning activities are intended to stimulate critical thinking skills and offer an appreciation towards caring for clients with dysrhythmias.	3	3	3	
Nursing	NURS	4608	Concepts of Rural Nursing	The course focuses on the organization and functioning of nursing within health delivery systems in rural areas. Emphases are placed	3	3	3	

on social, economic, and cultural variables that impact on rural health, and on the responses of rural communities, health agencies and hospitals to these unique health care needs. Students conduct a rural community assessment and develop case studies and plans of care for patients with long-term health care problems who reside in specific rural areas. A comprehensive field trip is included with presentations from a wide variety of rural health care providers.

Nursing	NURS	4609	Nursing Manag Patient w HIV	This course focuses on the nursing management of the patient with HIV disease. Its intent is to enable the beginning nursing student to identify early prodromal signs of HIV disease and to have a basic understanding of the management and treatment of opportunistic infections identify psychosocial problems and interventions associated with HIV disease, modes of transmission and safer sex behaviors. Additionally, the student will learn about historical issues of HIV disease and emerging pharmacologic treatment strategies.	3	3	3
Nursing	NURS	4610	School Health Nursing	This course will give students an opportunity to focus on the health needs of the school health population including students, parents and faculty. An aggregate approach to health promotion and disease prevention will be addressed with emphasis on primary and secondary prevention measures. Students will use health assessment and health education principles in meeting the selected needs of individuals, families and groups.	3	3	3

Nursing	NURS	4611	Entrepreneurship in Nursing	The purpose of this course is to provide the students the opportunity to explore an entrepreneurship career in nursing. Special emphasis will be placed on the learners understanding of the steps for developing, implementing, and maintaining a business including: self discovery and assessment	3	3	3	
Nursing	NURS	4612	Nurs in Human Loss & Grieving	The purpose of this course is to prepare the student to care for persons who are dying and/or grieving and/or experiencing other forms of loss. Emphasis is placed on personal growth of the students and on interventions with the patient and family. Theories and skills in working with dying persons and their families are explored. In addition, legal and ethical considerations are explored. Exercises in personal experience of loss, grief and death are conducted.	3	3	3	
Nursing	NURS	4613	Parent Child Interactions	The health care professional is introduced to quantitative and qualitative methods used to assess the vulnerability of infants, children and their families. Clinical application of assessment processes are included.	3	3	2	3
Nursing	NURS	4614	Principles of Oncological Nursing	This is an introductory course in the principals of oncology nursing. It includes pathophysiology, treatment modalities, screening modalities, side effects management, care of persons with solid tumor cancers and utilization of the nursing process in caring for adults with cancer.	3	3	3	
Nursing	NURS	4615	Complementary Healing Modaliti	This course enables the student to explore a wide variety of complementary health care measures such as herbal/therapy, acupressure and reflexology available to, and utilized by people. Students study ways to	3	3	3	



utilized by people. Students study ways to understand and work with complementary healers and practitioners. The legal and ethical problems are also investigated. Complementary modalities including home remedies are analyzed to determine their efficacy. The primary purpose of this course is to familiarize the student with complementary health care modalities and the providers that practice various modes of therapy.

Nursing	NURS	4616	Externship Care of Ill Child	This workstudy-type course provides extensive clinical opportunities dealing with hospitalized children and their families. Students apply knowledge and nursing skills in selected care settings while being employed as a patient care assistant 32 hours per week. Didactic instruction focuses upon growth, developmental and pathophysiologic issues related to common childhood disorders.	3	3	3	
Nursing	NURS	4617	Adult Nursing Externship	The purpose of this course is to provide the student with a unique learning opportunity to build on principles of nursing basic to the care of adult patients experiencing various health alterations. Students will explore selected concepts related to the care of the adult patient and use the nursing process to plan care of the patient and his/her family	3	3	2	3
Nursing	NURS	4618	Critical Care Nursing	This course provides the theoretical and functional base for the complex management of adult clients with complicated medical and surgical health problems treated in critical care settings. Fundamental concepts include an overview of the practice of critical care nursing	3	3	3	

Nursing	NURS	4619	Externship Fam Perinatal Exp	The purpose of this course provides opportunities for students to expand their knowledge base in childbearing processes, the neonatal period of family dynamics and the nursing process. Opportunities are available to increase assessment, communication, and crisis intervention skills while students are employed as a Patient Care Assistant for 32 hours per week. Current trends and issues relevant to deviations from the normal childbearing process or the normal neonatal period are investigated.	3	3	2	3
Nursing	NURS	4620	Ethical Decision Making	This course lays the foundation for collaborative interdisciplinary decision making which occurs within the context of health care. Emphasis is placed on case-study analysis and dialog between key players.	3	3	3	
Nursing	NURS	4621	Principles in Oncology Nursing	This is an introductory course in the principals of oncology nursing. It includes pathophysiology, treatment modalities, screening modalities, side effects management, care of persons with solid tumor cancers and utilization of the nursing process in caring for adults with cancer in the inpatient and outpatient oncology settings. Each clinical experience will be a precepted experience by a chemotherapy certified registered nurse or an oncology certified registered nurse (OCN, AOCN).	6	6	3	9
Nursing	NURS	4622	High Risk Neonatal Nursing	This course provides the student with information related to (1) the physiological and pathophysiological phenomena associated	3	3	2	

with the high-risk newborn; (2) clinical assessment and management of the high-risk neonate; and (3) synthesis of data for planning and providing nursing care of the high-risk neonate and family.

Nursing	NURS	4623	Spirituality in Nursing	This course will explore the relationship between spirituality and nursing and what effects the spirituality of the client and/or the nurse have upon health and healing. The student will define their own spirituality and explore the spiritual perspectives of world religions as related to healing. Other topics to be explored will include, but are not limited to, the effects of prayer and meditation on healing, life after death experiences, spirituality and dying, and the spirituality of Florence Nightingale. Interests of the class will help determine specific content within the topical outline that will be taught. The primary purpose of this course is to familiarize the student with the spiritual perspective of nursing are and assist them to identify and develop their own spiritual nursing practices.	3	3	3
Nursing	NURS	4624	Forensic Nursing Online	The purpose of this course is to explore the emerging specialty of forensic nursing. This exploration will be accomplished online as the student accesses course materials via computer. The historical and theoretical development of forensic nursing will be examined. The student will analyze the scope and standards of forensic nursing practice. Areas of specialization within forensic nursing will be addressed. Issues related to interpersonal violence and child maltreatment will be examined. The student will relate how state and federal laws may impact nursing practice and evidence collection. Emphasis	3	3	3

will be placed on the role of forensic evidence collection and documentation in all areas of nursing practice.

Nursing	NURS	4625	Perioperative Nursing Externsh	The purpose of this course is to introduce the student to the roles of the professional nurse in the perioperative setting. Students will have the opportunity to implement the nursing process within the preoperative, intraoperative, postoperative, and post-recovery phases of the patient's surgical experience. The student, employed as a Senior PCA, will demonstrate responsible work-role behaviors in the work setting.	3	3	2	3
Nursing	NURS	4626	Patient, Family & Staff Educat	This course provides an introduction to the role of the nurse as an educator. The concepts of education, which include needs assessment, program design and planning, teaching strategies, learning, and evaluation are presented. The nurse-educator role, as implemented in a variety of situations and with various age groups, also is presented. Class participants will have an opportunity to engage in a teaching-learning activity.	3	3	3	
Nursing	NURS	4627	Topics in Obsteric Nursing	The purpose of this course is to provide opportunities for students to deepen and expand their knowledge base in childbearing processes, family dynamics, and the nursing process. Theoretical information will be presented and discussed in a didactic setting. Current trends and issues relevant to deviations from the normal childbearing process will be investigated. Students also will explore the professional role of the nurse when dealing with individuals and families	3	3	3	

during the childbearing period. Specific roles to be examined are the legal and ethical responsibilities of the nurse during crisis situations.

Nursing	NURS	4628	Populations at Risk in Public	This course will focus on building and applying knowledge and skills needed for the practice of public health nursing for at-risk populations in the community. Nursing interventions related to the promotion of health of communities based on local, state and national data and priorities are emphasized. The course is intended to provide opportunities for students to use techniques of nursing leadership to collaborate with community members, and public and private partners, to identify, implement, and evaluate programs. interventions that will improve the health and well being of the community. Community-based clinical experiences allow the student to apply and demonstrate integration of knowledge and clinical skills.	3	3	2	1
Nursing	NURS	4630	HIV Mgmt in Health Care	The purpose of this course is to introduce students to the various issues related to planning/providing care for persons across the spectrum of HIV disease. Students from various schools will participate in course information within this course. Each will have the opportunity to explore links and activities specific to their discipline. This course will examine the many aspects of HIV/AIDS related to physical, psychosocial, legal, ethical, and community issues. The course will focus on the epidemiological, medical, Political/ethical, and legal trends related to HIV disease. The relationship of HIV disease	1	1		1

and immune function will be discussed. Risk behaviors and prevention techniques for HIV will be emphasized. This course will facilitate students in developing safe and compassionate care of persons with various stages of HIV disease. This is a web based course designed to enhance and facilitate student learning.

Nursing	NURS	4631	Informatics & Tech in Hlth Ca	The purpose of this online course is to explore the emerging specialty of informatics and examine the use of technology in healthcare. The theoretical development of healthcare informatics will be examined. The student will analyze the scope and standards of informatics nursing practice. Current and emerging health care technologies will be investigated with an emphasis on the actual and potential effects of these technologies on the work of nurses, the process of care and patient outcomes.	1	1		1
Nursing	NURS	4632	Profess and Leader in Nurs	This course focuses on the principles of leadership and professionalism. It will provide the participant the opportunity to explore their personal values and beliefs concerning nursing. Emphasis will also be placed on development of personal career maps, identifying goals, and how these goals can be met. The participant will develop and practice skills in assertiveness, conflict management, as well as verbal and written presentations.	3	3	3	
Nursing	NURS	4633	Trauma and Neuroscience Nur	This course provides the theoretical and functional base for the complex management of adult clients with traumatic injuries treated in the emergency and acute care settings. Functional concepts include an overview of the practice of emergency and neuroscience	3	3	3	3

the practice of emergency and neuroscience nursing; tools needed for emergency management and related nurse management.

Nursing	NURS	4634	Environmental Health	The purpose of this course is to explore the dimensions of the physical environment in which we live that have a direct bearing on the health of individual and community clients. The environment has long been recognized as a primary determinant of health. It is essential for the nurse to be able to assess and intervene when a health problem occurs or is likely to occur due to an environmentally related factor. Basic knowledge and concepts related to environmental health as well as pesific factors that need to be incorporated into assessments, education and referrals will be addressed. The role of the nurse in advocacy, ethics and risk communication will be emphasized throughout the course.	3	3	3		3
Nursing	NURS	4635	Care of the Critically Ill Chi	This course focuses on clinical decision making and nursing care of the critically ill hospitalized child and their family. The theoretical and functional basis for the management of pediatric patients with acute complicated medical and surgical health problems is provided. Prerequisite: Completion of undergraduate pediatric course.	3	3	3		3
Nursing	NURS	4636	Camp Nursing	The purpose of this course is to introduce students to the various issues related to camp nursing for children with chronic healthh problems. The course will focus on the components of specific shronic illnesses and the way in which these are managed and	3	3	3	0	0

the ways in which these are managed and integrated into a positive camp experience for children. The course will facilitate students in participating in and providing an environment that promotes the normal process of childhood for children who experience chronic health problems. Students enrolled in this elective may concurrently participate as volunteers in a camp of their choice that offers camp experiences to children and adolescents with chronic health problems. Prerequisites: Junior level courses, BCLS, Permission of faculty

Nursing	NURS	4637	International Health	The course is designed to increase awareness of the importance of cultural competence in the delivery of health care from a global perspective. With health needs expanding more rapidly than the health community's ability to service the needs, new models of "medical outreach" are urgently needed. The course will include country-specific knowledge about the most common health care threats to clients. Students enrolled in this elective may participate in a volunteer field trip experience outside the USA. Prerequisites: Junior year; or permission of instructor	3	3	3	0	0
Nursing	NURS	4638	Spanish for Healthcare Provid	This course is an intensive, interactive course for health professionals to facilitate the development of practical Spanish language skills and cultural awareness. This course builds on basic knowledge of the Spanish Language. Emphasis is on development of oral and aural communication skills for practical use of the language in health care environments. Cultural perspectives pertinent to Spanish-speaking populations are integrated throughout the course.	3	3	3	0	0



Prerequisites: Junior Status; a minimum of 4 semesters of Spanish language (High school of college level) or permission of instructor

Nursing	NURS	4639	Nursing Care of Child Hema/Onc	This course focuses on the complex nursing management of the pediatric hematology/oncology patient and their families. The emphasis is on nursing care to promote, maintain, and restore health for children and their families during all stages of treatment for cancers of blood disorders.	3	3	3	
Nursing	NURS	4991	Population Health	This course combines knowledge and skills from public health science and professional nursing practice to guide students in the promotion of population health. Through assessment and analysis of the health status of a chosen population, students intervene to influence change and promote health., Emphasis is placed on professional nursing judgment, partnership development and empowerment of populations for the improvement of the health. Students have an opportunity to develop competencies of leadership through collaboration with community leaders, decision makers, health care providers, and the people of the community. Epidemiological, educational and change models are used to design and evaluate interventions aimed at the promotion of population health.	4	4	3	
Nursing	NURS	4993	Hlth Appraisal & Promo Indiv	This online course present the knowledge and skill base for health assessment of individuals and families across the lifespan. Nursing interventions related to the promotion of health for individuals and families based on state and	6	6	4	6

for individuals and families based on state and national priorities are emphasized. Community based clinical experiences allow the student to demonstrate the integration of knowledge and clinical skills.

Nursing	NURS	4994	Synthesis in Prof Nursing	This online courses focuses on the application of professional nursing practice. Opportunities exist for students to synthesize and integrate theory in development of the professional role. Concepts related to leadership, management, policy, resource utilization, and planning/evaluating services are critically examined. Students choose a track (education, management, health policy, research or professional practice) for their clinical experience for professional development within an area of interest.	6	6	3	9
Nursing	NURS	4995	Professional Issues	This online course addresses the transition from the RN student's basic educational preparation to the baccalaureate professional practice. Concepts, issues, and theories impacting nursing and health care are analyzed. This course emphasizes professional role development and trends and predictions for professional nursing practice.	3	3	3	

# MCG CATALOG

[MCG Catalog > School of Nursing](#)

## School of Nursing

Direct links to specific pages outside of the Catalog are provided here for your convenience.

### BACHELOR OF SCIENCE

- [Admissions Requirements](#)
- [Degree Requirements](#)
- [Curriculum for BSN](#)
  - [Curriculum for RN to BSN](#)
  - [Course Descriptions \(PDF\)](#)

### POST-MASTER'S CERTIFICATE

- **[Acute Care Nurse Practitioner](#)**
- **[Clinical Translational Science](#)**
- **[Family Nurse Practitioner](#)**
- **[Nursing Informatics](#)**
- **[Pediatric Nurse Practitioner](#)**
- **[Psychiatric and Mental Health Advanced Practice Nurse](#)**
- **[Public/Community Health Clinical Nurse Specialist](#)**

### MASTER OF SCIENCE

- **[Clinical Nurse Leader](#)**
  - [Admissions and Program Requirements](#)
  - [Curriculum](#)
- **[Family Nurse Practitioner](#)**
  - [Admissions and Program Requirements](#)
  - [Curriculum](#)
- **[Neonatal Nurse Practitioner](#)**

- ▣ **Nursing Anesthesia**

- Admissions and Program Requirements
- Curriculum

- ▣ **Nursing, Other**

- **Pediatric Nurse Practitioner**

- Admissions and Program Requirements
- Curriculum

## DOCTORATE PROGRAMS

- ▣ **Doctor of Nursing Practice**

- Admissions and Program Requirements
- Curriculum

- ▣ **Doctor of Philosophy in Nursing**

- Admissions and Program Requirements
- Curriculum

## RELATED LINKS

- [School of Nursing Home Page](#)
- [Course Descriptions \(Pulse\)](#)
- [School of Nursing Faculty](#)

# MCG CATALOG

MCG Catalog > School of Nursing > Degree Requirements

## School of Nursing: BSN

# Academic Eligibility and Progression Standards

Students in the baccalaureate nursing program must attain a cumulative GPA of 2.0 in all residence work to enter the senior year. A grade of "C" or better is required in all undergraduate nursing courses (designated NUR). In order to progress, students must achieve a minimum of "C" in each course identified as prerequisite.

Student earnings grades of "D", "F" or "WF" in a single nursing course may repeat the course one time. Students earning grades of "D", "F" or "WF" the second time the course is taken, will be academically dismissed. Upon notification of any grade of "D", "F", or "WF", the student is required to meet with the Associate Dean, Undergraduate Program, for academic advisement. A letter from the Associate Dean addressing progression in the nursing program must be signed by the student.

Students may repeat no more than one nursing course during one enrollment at the Medical College of Georgia School of Nursing. At the time of the second failure, in a nursing course, the student is academically dismissed. A student may apply for readmission one year following dismissal, in accordance with standard application procedures.

## University System and Legislative Examination Requirements<

All undergraduate students are required to meet Board of Regents and legislative examination requirements. These exams include the [Regents Testing Program Examination](#), and the examinations of the Georgia Constitution and history and the U.S. Constitution and history. CLEP exams do not meet these requirements.

## Dean's List and Honors

Qualifying undergraduate students may be designated for Dean's List and/or graduation with honors. Qualifications are stated in the MCG General Information section of this catalog.

## B.S.N. Graduation Requirements

In addition to the undergraduate graduation requirements, the following requirements have been established for the B.S.N. degree:

- A grade of C or better for all undergraduate courses designated as NUR.
- A MCG cumulative grade point average of 2.0 for all courses in residence.
- Completion of at least 30 semester hours in residence.

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# MCG CATALOG

[MCG Catalog](#) > [School of Nursing](#) > [Admissions Requirements](#)

## School of Nursing: BSN

### GENERAL ADMISSIONS REQUIREMENTS

- Admission is based on an overall grade point average on all attempted academic courses (minimum 2.80 GPA required for consideration) and on completion of the required [core curriculum](#). The mean GPA of recent classes has exceeded 3.50.
- SAT or ACT scores must be submitted and should either be requested from [Educational Testing Service](#) or [ACT](#), or should appear on the student's high school or college transcript (or other document submitted) for undergraduate applicants. A score of at least 450 on the SAT verbal section, or at least 18 on the English section of the ACT, is required.
- The admissions committee assesses the applicant's motivation and personal qualities needed to successfully complete the program.
- Two letters of recommendation are required.
- Applicants whose first language is not English must submit official [TOEFL](#) scores. A minimum score of 213 on the computer-based exam or 550 on the paper exam is required for admission consideration.

### APPLICATION PROCEDURES

Application forms with instructions for completing admission procedure may be obtained from the [Office of Academic Admissions](#). The application deadline for the 2008 class is December 1, 2007. Early application (by October 16, 2007) is encouraged.

### Immunizations

In addition to the institutional immunization policy, students must have HBV-immunizations and PPD completed before beginning the School of Nursing program; students not completing HBV series must sign a disclaimer.

### Non-Degree Applicants

A student seeking to enroll for nursing courses as a special student, non-degree seeking, should contact the [Office of Academic Admissions](#) for additional information and an application.



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# MCG CATALOG

[MCG Catalog > Mission Statement](#)

## **MCG Mission Statement**

The mission of the Medical College of Georgia is to improve health and reduce the burden of illness in society by discovering, disseminating, and applying knowledge of human health and disease.

- [Mission, Vision and Values](#)

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# MCG CATALOG

[MCG Catalog > School of Medicine](#)

## School of Medicine

Direct links to specific pages outside of the Catalog are provided here for your convenience.

doctor of medicine

- [School of Medicine Home Page](#)
- ▣ [Admissions Bulletin](#)
- ▣ [General Admissions Requirements](#)
- [Curriculum](#)
- [Course Descriptions \(PDF\)](#)
- [Financial Information](#)
- [Student Promotions, Policies and Procedures \(pdf\)](#)
- ▣ [Residency Programs](#)
- ▣ [Continuing Medical Education](#)
- [School of Medicine Faculty](#)

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# MCG CATALOG

[MCG Catalog > Student Links](#)

## Student Links

Direct links to specific pages are provided here for your convenience. You are leaving the Catalog:

- [Academic Calendars](#)
- [Admissions Requirements](#)
- [Computer Use Policy](#)
- [ACE Statement on Academic Rights and Responsibilities \(PDF\)](#)
- [Enrollment Certification Request](#)
- [Immunization Requirements](#)
- [Student Health Insurance](#)
- [Transcript Request](#)

## Financial

- [Tuition and Fees](#)
- [Fee Payment and Refunds](#)
- [BOR Student Classifications for Tuition](#)
- [BOR Out-of-State Tuition Waivers](#)
- [BOR Waiver of Mandatory Fees](#)

# MCG CATALOG

## 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, the Medical College of Georgia 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 amount 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

The Medical College of Georgia is an affirmative action/equal opportunity educational institution in that no person shall on the grounds of sex, race, color, creed, religion, age, national origin, sexual orientation, veteran's status or handicap be excluded from participation in or be otherwise subjected to discrimination in any educational program, activity, or facility.

The Medical College of Georgia is committed to an effective affirmative action policy. MCG 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

The Medical College of Georgia'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 the Medical College of Georgia to insure 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.

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# MCG CATALOG

[MCG Catalog](#) > [MCG Leadership](#)

## MCG Leadership

- Daniel W. Rahn, President, Medical College of Georgia, and Senior Vice Chancellor of Health and Medical Programs, University System of Georgia
- J. Michael Ash, **Vice President for Administration**
- Deb Barshafsky, **Vice President for Decision Support**
- Kapil Bhalla, **Vice President for Administration**
- William Bowes, **Vice President for Finance**
- Beth Brigdon, **Vice President for Information Technology**
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# MCG CATALOG

[MCG Catalog](#) > [School of Allied Health Sciences](#) > [Health Informatics](#)

## School of Allied Health Sciences: Health Informatics

### BACHELOR OF SCIENCE

- [Admissions Requirements](#)
- [Degree Requirements](#)
- [Curriculum \(PDF\)](#)
- [Course Descriptions \(PDF\)](#)

### CERTIFICATE

- [Admissions Requirements](#)
- [Degree Requirements](#)
- [Curriculum for Allied Health/Nursing Track \(PDF\)](#)
- [Curriculum for Business/Computer Science Track \(PDF\)](#)
- [Course Descriptions \(PDF\)](#)

### MASTER OF PUBLIC HEALTH IN HEALTH INFORMATICS

- [Admissions Requirements](#)
- [Degree Requirements](#)
- [Curriculum \(see MPH curriculum page\)](#)
- [Course Descriptions \(PDF\)](#)

### RELATED LINKS

- [Health Informatics Home Page](#)
- [Master of Public Health in Health Informatics Home Page](#)

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# MCG CATALOG

[MCG Catalog > Student Handbook Links](#)

## Student Handbook Links

Direct links to specific pages in the [Student Handbook](#) are provided here for your convenience. You are leaving the Catalog:

- ▣ [Student Services](#)
- ▣ [Student Organizations](#)
  - [Student Conduct Code and Procedures](#)
  - [Selected Policies and Procedures](#)

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## School of Graduate Studies: Course Descriptions Fall 2007

Department	Course Subject	Course No.	Course Title	Course Description	Credit Hrs.	Bill Hrs.	Lecture Hrs.	Lab Hrs.	Other Hrs.
Biostatistics	NURS	6300	Intro to Epidemiology and Biostat	This course will focus on applying epidemiologic principles to health promotion and illness prevention along the continuum of care in multiple settings.	3	3	3		
Biostatistics	STAT	4010	Statistics and Research Method	This course provides an introduction to research methodology and principles including basic methods of statistical analysis. Topics include descriptive and inferential statistics, epidemiology research designs, and reliability and validity of measurement. Students will perform statistical analysis and display of data and results, including use of microcomputer software package, and will critically evaluate published reports of clinical and epidemiological studies.	3	3	2	2	
Biostatistics	STAT	4020	Statistics and Research Method	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, statistical process control, epidemiology, and research designs. Students will create data summaries and perform statistical analyses using a statistical software package.	3	3	3	1	
Biostatistics	STAT	6300	Intro to Epidemiol and Biostat	This course serves as an introduction to epidemiology and biostatistics. The epidemiology portion of this course is intended to introduce students to epidemiology and its application to public health research and	3	3	3		

application to public health research and practice. It provides a conceptual foundation for further study of epidemiology; especially study design, quantitative concepts and methods, analysis, and interpretation. The biostatistics portion of this course offers an introduction to the basic statistical techniques used to analyze and interpret data in the biomedical, health sciences and related fields. Emphasis is on applications of these methods, with probability, discrete and continuous distribution, inferential statistics (estimation and hypothesis testing) for numeric and categorical data, non-parametric methods, analysis of variance, regression, and correlation topics covered.

Biostatistics	STAT	7010	Biostatistic I	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 application of these methods, with the following topics covered: 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. Prerequisites: College Algebra (Calculus highly recommended).	3	3	3	0	0
Biostatistics	STAT	7020	Biostatistic II	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	3	3	3	0	0

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. Prerequisites: Biostatistics I (or comparable introductory graduate-level statistics course).

Biostatistics	STAT	7040	Biomedical Statistics	<p>This survey 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 the one and two-sample case) for numeric and categorical data, non-parametric methods, one-way ANOVA, simple linear regression, correlation, factorial ANOVA (fixed and random effects), multiple linear regression and correlation, ANCOVA, logistic regression, longitudinal data analysis, and survival analysis and the critical reading of the research literature. Prerequisites: College Algebra (Calculus highly recommended) or prior approval of course director.</p>	3	3	3	0	0
Biostatistics	STAT	7050	Research Design and Statistics	<p>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</p>	1	1	1	0	0

modules with voice-overs and remote administration/testing. Prerequisites: College algebra or permission of the instructor.

Biostatistics	STAT	7060	Research Design and Statistics	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 or permission of the instructor.	1	1	1		
Biostatistics	STAT	7070	Biomedical Statistics	This course offers an introduction to the basic statistical techniques used to analyze and interpret data in the biomedical, health sciences and related fields. Emphasis is on applications of these methods, with 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. Students will learn to use the NCSS microcomputer statistical software package.	3	3	3		
Biostatistics	STAT	8110	Intro to Biostat	This course offers an introduction to the basic statistical techniques used to analyze and interpret data in the health sciences and	3	3	3	0	0



related fields. Emphasis is on applications of these methods, with graphical statistics (estimation and hypothesis testing for the one and two-sample case) for numeric categorical data, non-parametric methods, analysis of variance, regression, and correlation. Prerequisites: Calculus.

Biostatistics	STAT	8120	Probability and Distributions	This course covers basic probability theory, the concepts of random variables, univariate and multivariate distributions, discrete and continuous joint, marginal, and conditional distributions in general. Several specific probability distributions are covered in detail: normal, binomial, multinomial, Student's t, F, chi-square. Expectation theorems, the law of large numbers, and the central limit theorem are also covered. Prerequisites: Calculus.	3	3	3	0	0
Biostatistics	STAT	8130	Intro to Epidemiology	This course serves as an introduction to epidemiology. Topics include basic concepts, types of studies, description and analysis of epidemiologic data, and epidemiology in disease control.	3	3	3	0	0
Biostatistics	STAT	8140	Programming for Data Analysis	This course provides a hands-on exposure to programming, data management and report generation with one of the most popular statistical software packages.	2	2	2	0	0
Biostatistics	STAT	8210	Linear Models I	This course is a study of the general linear statistical model and the linear hypothesis. Topics include the multivariate normal distributions of quadratic forms, and parameter estimation and hypothesis testing for full-rank regression models. Variable selection, regression diagnostics and "dummy" variable coding will also be covered. Prerequisites: Knowledge of linear algebra.	3	3	3	0	0

Biostatistics	STAT	8220	Est & Hypothesis Testing	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. Prerequisites: Multivariable Calculus and Probability & Distributions. STAT8120.	3	3	3	0	0
Biostatistics	STAT	8230	Experimental Design	This course covers the basic principles of experimental design. It covers the concepts of randomization, blocking, replication and interaction. Various designs are covered and their strengths and weaknesses are illuminated. These designs include factorials, complete and incomplete designs, Latin and Greco-Latin square designs, and split-plot designs. Confounding and fractional replication is also covered.	3	3	3	0	0
Biostatistics	STAT	8240	Intro to Clinical Trials	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.	3	3	3		
Biostatistics	STAT	8260	Design & Analysis of Observational Study	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	3	3	3		

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.

Biostatistics	STAT	8270	Categorical Data Analysis	This course focuses on statistical methods for analyzing categorical data; topics include inference for a single proportion; inference for two-way contingency tables; models for categorical response variables, including logistic and loglinear models; analysis of matched-pairs data; power and sample size considerations. Emphasis will be placed on methods and models most useful in health-related research.	3	3	3		
Biostatistics	STAT	8310	Linear Models II	This course is a continuation of Linear Models I, and covers the analysis of experiments using linear models. Single- and multiple-factor analysis of variance and analysis of covariance will be examined, including types of factor effects and analysis involving missing data. Topics of experimental design relevant to biomedical research will also be covered.	3	3	3	0	0
Biostatistics	STAT	8311	Demo & Analy Rates & Prop	This course introduces students to the basics of demographic estimation and analysis and introduces students to those statistical methods useful in the analysis of rates and proportions.	3	3	3	0	0
Biostatistics	STAT	8320	Time to Event Data	This course serves as an introduction to time-	3	3	3	0	0

## Analysis

to-event (survival) data analysis. Both theory and applications are covered and methods include non-parametric, parametric, and semi-parametric (Cox model) approaches.

Biostatistics	STAT	8321	Stat Mod of Mole Evo & Phyl	Introduction to modeling DNA and protein evolution and to reconstructing evolutionary relationships from DNA and protein sequences. Statistical models are applied to comparisons of DNA and protein sequences to make inferences about their common ancestry and past evolutionary events.	3	3	3	0	0
Biostatistics	STAT	8330	Special Topics in Biostat	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 interest of the instructor and the students. Prerequisites: Permission of the Instructor.	3	3	3	0	0
Biostatistics	STAT	8331	Mendelian Genetics	The analysis of frequencies of single Mendelian genes within populations including Hardy-Weinberg equilibrium, non-random mating, admixture/subdivision, linkage equilibrium, selection/mutation, likelihood estimation, latent variables and the EM algorithm, pedigree analysis and genetic identify, linkage analysis.	3	3	3	0	0
Biostatistics	STAT	8340	Reading and Research	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. Prerequisite: Permission of instructor.	1	1	1	0	0
Biostatistics	STAT	8341	Intro to Clinical	This introductory course will address basic	3	3	3	0	0

Trials 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.

Biostatistics	STAT	8350	Epidemic Modeling	This course serves as an introduction to types of epidemiological studies and covers modeling of various types of epidemics.	3	3	3		
Biostatistics	STAT	8360	Systematic Reviews	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.	3	3	3		
Biostatistics	STAT	8410	Generalized Linear Models	This course serves as an introduction to Generalized Linear Models (GLMs). It instructs students in a unifying theory that combines the areas of linear models, non-linear models, regression, categorical data, and analysis of variance. Prerequisites: All other biostatistics courses except Time-To-Event Data Analysis - STAT 8320.	3	3	3	0	0
Biostatistics	STAT	8412	Epidemic Modeling	This course serves as an introduction to types of epidemiological studies and covers	3	3	3	0	0

modeling of various types of epidemics.

Biostatistics	STAT	8422	Biological Seq Analysis	Introduction to statistical methods in the analysis of DNA and protein sequence data. This course exposes students to applications of statistical theory to assembling biological sequences, making inferences about single sequences, and comparing two or more sequences. Statistical foundations of BLAST tests are covered.	3	3	3	0	0
Biostatistics	STAT	8432	Quantitative Genetics	The statistical analysis of complex phenotypes. Topics include genotypic value, genetic variance, and linear models. Environmental variance, genotype by environment interaction, threshold models and generalized linear mixed models, mapping quantitative trait loci (QTL), and variance component estimation.	3	3	3	0	0
Biostatistics	STAT	8442	Design Analy Clinical Trials	This course will address advanced statistical techniques used in the design and analysis of both clinical and sequential trials.	3	3	3	0	0
Biostatistics	STAT	8510	Programming for Data Analysis	This course provides a hands-on exposure to programming, data management and report generation with one of the most popular statistical software packages. Prerequisite: College algebra	2	2	2		
Biostatistics	STAT	8513	Systematic Reviews	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, svstematic reviews of controlled clinical trials.	3	3	3	0	0

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.

Biostatistics	STAT	8520	Statistical Theory I	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. Prerequisites: Multivariable Calculus and Matrix Algebra.	3	3	3		
Biostatistics	STAT	8523	Analysis Microarray Gen Expr Dat	Introduction to modeling and analyzing expression data of microarrays. Methods of cluster analysis will be covered as ways to attempt to group genes of the same biochemical pathways together. Students will also learn to test hypotheses related to microarray designs, with emphasis on determining which genes are differentially expressed between two populations.	3	3	3	0	0
Biostatistics	STAT	8533	Med Gentic & Gentic Epide	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.	3	3	3	0	0
Biostatistics	STAT	8600	Biostat Consulting in Res	This course is designed for students to gain practical experience in integration of statistical theory and application in current research, systematic formulation of problems, data format, collection procedures, design	3	3	3	0	0

format, collection procedures, design, analysis, interpretation and communication of results. A project write-up will be required at the conclusion of each project. Course Prerequisites: All core biostatistics courses (except STAT8320) and one of the three elective module courses.

Biostatistics	STAT	8610	Applied Linear Models I	This course will continue the investigation of simple linear regression from the introduction to Biostatistics course with extension to multiple linear regression models. Model selection, validation, diagnostics and remedial measures will be covered. SAS will be used for applying these methods to biomedical data.	3	3	3
Biostatistics	STAT	8620	Statistical Theory II	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.	3	3	3
Biostatistics	STAT	8710	Applied Linear Models II	One-way analysis of variance (ANOVA), multiple treatment comparisons, ANOVA diagnostics, factorial ANOVA, randomized complete block designs, analysis of covariance (ANCOVA), ANOVA with unbalanced data, random and mixed effect models, repeated measures designs, nested designs and response surface methods.	3	3	3
Biostatistics	STAT	8720	Survival Analysis	This course offers an introduction to the analysis of observed times to events, e.g., times to death (survival times). The course	3	3	3



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, & others). Other topics covered include model development, model adequacy, extensions to the Cox PH model, recurrent event models and frailty models.

Biostatistics	STAT	8740	Design and Analy of Clin Trial	This course will address advanced statistical techniques used in the design and analysis of both clinical and sequential trials.	3	3	3
Biostatistics	STAT	8870	Biostatistical Consul in Resea	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.	3	3	3
Biostatistics	STAT	8880	Special Topics	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.	1	1	3
Biostatistics	STAT	8890	Readings and Research	This course consists of readings in the biostatistical literature, culminating in written and oral presentations. Prerequisites: Permission of instructor	1	1	
Biostatistics	STAT	8910	Biostatistical Consulting Proj	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)	3	3	

at the conclusion of the consulting project(s).

Biostatistics	STAT	8920	Thesis Research	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.	3	3			
Biostatistics	STAT	9000	Thesis Research	The thesis project for the MS program will be of two types: 1) Use of established but state-of-the-art statistical tools to analyze and report on collected data sets or 2) A rigorous review of statistical literature, possibly involving a small amount of methodological research, that has potential use in complex biomedical data analysis. Course Prerequisites: All core biostatistics courses (except STAT8320) and one of the three elective module courses.	3	3	0	0	0
Graduate Studies	BCMB	8201	Cur Topics & Tech in MB	Elective course for advanced graduate students (2nd year and up) across departments. Students will solve current problems in molecular biology using the various techniques.	3	3	3	0	0
Graduate Studies	BCMB	8310	Adv Topi Micro & Infec Dis I	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	2	2	2	0	0

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. Prerequisites: SGSS8021 and SGSS8022 or approval from course director.

Graduate Studies	BCMB	8320	Adv Topi Micro & Infec Dis II	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. Prerequisites: SGSS8021 and SGSS8022 or approval from course director.	2	2	5	0	0
Graduate Studies	BCMB	9010	Seminar in BMB	Research presentations by MCG faculty, students and visiting research scientists.	1	1	1	0	
Graduate Studies	BCMB	9210	Investigation of Problem	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. Prerequisite: Admission in a	1	1	0	0	

in action. Prerequisite: Admission in a graduate program.

Graduate Studies	BCMB	9300	Research	The student works closely with his 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. Prerequisites: Permanent assignment to a specific lab with a faculty advisor and a defined research project.	1	1	0	0	
Graduate Studies	MOLM	8040	Molecular Medicine	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. Prerequisite: Completion of 1st year biomedical sciences graduate core curriculum.	3	3	0	0	
Graduate Studies	MOLM	8110	Adv Topics Neurobiology	This course will cover current topics in neurobiology including developmental neurobiology, intracellular and intercellular communication, neurodegeneration and other diseases of the nervous system. The course will emphasize an understanding of the neurochemical and molecular mechanisms under normal conditions and leading to dysfunction. The course will focus on developing a critical understanding of the current scientific literature in neurobiology and preparing the students for careers in	3	3	0	0	0

neurobiological research. Prerequisite: Completion of 1st year biomedical sciences graduate core curriculum, and be in good standing in one of the biomedical sciences PhD programs. Total class enrollment will be limited to 10 students and preference will be given to students in the neurobiologically oriented graduate program.

Graduate Studies	MOLM	9010	Adv Sem in Molecular Med	Seminar-style course covers a single, current topic in Molecular Medicine. Prerequisite: Completion of 1st year biomedical sciences graduate core curriculum.	1	1	0	0	2
Graduate Studies	MOLM	9020	Seminar in Molecular Med	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 to provide written summaries of some of the topics presented. This course is offered in the fall semester. Prerequisites: Entry into the Molecular Medicine graduate program. Required course for all Molecular Medicine students each fall semester until completion of the dissertation defense.	1	1	0	0	0
Graduate Studies	MOLM	9030	Seminar in Molecular Med	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. Prerequisites: Entry into the Molecular Medicine graduate program. Required course for all Molecular Medicine students each spring semester until	1	1	0	0	1

completion of the dissertation defense.

Graduate Studies	MOLM	9210	Invest of a Problem	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. Prerequisites: Admission to a graduate program.	1	0	0	0
Graduate Studies	MOLM	9300	Research	After successful completion of the second qualifying examination, the student works closely with his/her 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. Prerequisites: Permanent assignment to a specific lab with a major advisor and a defined research project.	1	1	0	0
Graduate Studies	NURO	8082	Neuroscience II	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.	4	4	4	0
Graduate Studies	NURO	8090	Clinical Neuroscience	This course will give students intensive clinical exposure to neurological, psychiatric and ophthalmic disorders. Students will 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 will shadow physicians in the epilepsy clinic, be involved with EEG conferences, brain imaging and epilepsy surgery. Students will also be involved in using human brain tissue from these surgeries in basic neuroscience	4	4	4	0

research.

Graduate Studies	NURO	9010	Neuroscience Seminar	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.	1	1	0	0	1
Graduate Studies	NURO	9210	Inv of a Problem in Neuro	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.	1	1	0	24	0
Graduate Studies	NURO	9300	Research in Neuroscience	The student works closely with his/her 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.	1	1	0	24	0
Graduate Studies	SGSS	8011	Respon Conduct of Research	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. Prerequisites: Acceptance into the School of Graduate Studies.	1	1	1	0	0
Graduate Studies	SGSS	8012	Scientific Communications	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	1	1	1	0	0

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. Prerequisites: Acceptance into the School of Graduate Studies.

Graduate Studies	SGSS	8021	Biochem & Gene Regulation	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. Prerequisites: Acceptance into the School of Graduate Studies.	5	5	4	0	2
Graduate Studies	SGSS	8022	Molecular Cell Biology	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. Prerequisites: Acceptance into the School of Graduate Studies.	5	5	4	0	2



Graduate Studies	SGSS	8033	Integrated Systems Biology	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. Prerequisites: Acceptance into the School of Graduate Studies.	6	6	5	2	0
Graduate Studies	SGSS	8040	Intro to Faculty Research	An introduction to all research topics currently being conducted by biomedical sciences graduate faculty. Prerequisites: Acceptance into the School of Graduate Studies PhD program.	2	2	0	0	4
Graduate Studies	SGSS	8050	Intro to Research I	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. Prerequisites: Acceptance into the School of Graduate Studies Ph.D. program.	2	2	0	10	0
Graduate Studies	SGSS	8060	Intro to Research II	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.	2	2	0	10	0
Graduate Studies	SGSS	8065	Critical Analy of Mechni	This interdisciplinary course is designed to teach students how to read and analyze literature in the context of introducing students to the pathophysiological basis of disease. Emphasis is placed in three major areas: immunology, microbiology, and organ system	4	4	4	0	0

immunology, microbiology, and organ system pathophysiology. Class time includes a mixture of traditional lectures to cover background material along with a heavy emphasis on student discussion of the primary literature. Prerequisites: SGS 8021, SGS 8022, or approval from course director.

Graduate Studies	SGSS	8070	Cancer Biology & Immunology	This course is the first course of a two-hour sequence covering fundamental aspects of cancer biology. There is an emphasis on basic immunology and immunobiology as related to cancer, the etiology of cancer, natural history of neoplasia, epidemiology, host-tumor relationships and principles of chemotherapy biological therapy and radiotherapy.	6	6	5	2	0
Graduate Studies	SGSS	8080	Neuroscience I	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. 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.	4	4	4	0	0
Graduate Studies	SGSS	8091	Fundamentals of Functional Genomics	This course will provide a fundamental understanding of how genomic and proteomic information can be used to elucidate functional mechanisms in an organism. Emphasis will be placed on linking genomic information to functional changes occurring at the cellular, organ and whole organism levels. The course will provide interdisciplinary lectures to train	2	2	2	0	0

... provide interdisciplinary lectures to train students to move freely among the disciplines needed to investigate genome function. The focus of the course will be on the relevance of functional genomics to inherited and acquired diseases and the process of converting the knowledge to the discovery of new therapeutics.

Graduate Studies	SGSS	8092	Fundamentals of Genomic Medicine	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, proteomics and bioinformatics. The focus of the course will be to understand the experimental identification of genes responsible for disease and modern applications of genomics and proteomics to understanding biological processes as well as their impact on modern medicine. Prerequisites: SGS 8021, SGS 8022, or approval from course director.	4	4	4	0	0
Graduate Studies	SGSS	8121	Gastrointestinal Physiology	This one hour course will cover the basics of GI Physiology for upper-level graduate students. Students will be introduced to cellular and systemic physiology of digestion and absorption, the biology of gastric hormones and the regulation of hepatic function.	1	1	1		
Graduate Studies	SGSS	8122	Pulmonary Physiology	This one hour course will cover the basics of Pulmonary Physiology for upper-level	1	1	1		

graduate students. Students will be introduced to cellular and systemic physiology of ventilation, gas exchange and the regulation of the pulmonary circulation.

Graduate Studies	SGSS	8130	Scientific Grant Writing	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. Prerequisites: Satisfactory completion of the first year biomedical sciences core curriculum, or permission of the course director.	1	1	1	0	0
Graduate Studies	SGSS	8210	Fundamentals of Oncology I	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. Prerequisites: Satisfactory completion of the first year biomedical sciences core curriculum, or permission of the course director.	4	4	3	2	0
Graduate Studies	SGSS	8220	Fundamentals of Oncology II	As the second semester of a two-semester course sequence, this course offers a survey of the entire spectrum of human neoplasias, emphasizing their classification, their natural history, their cellular and molecular biology and the diverse ways of which they are treated. Prerequisites: Satisfactory completion of SGS 8210, or permission of the course director.	4	4	3	2	0
Graduate Studies	SGSS	9210	Investigation of	The student works with individual faculty	1	1	0	0	0

Problem 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.

Graduate Studies	BCMB	5002	RSCH-Biochem-Molecular Bio	To provide the student an opportunity to train in basic research with direct relevance to the clinical interests of the student.	7	7			
Graduate Studies	BCMB	7450	Medical Biochemistry	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.	7	7	8	0	0
Graduate Studies	IMMB	8110	Medical Microbiology	This course combines principles of Immunology, Medical Microbiology and Infectious Diseases.	7	7	6	0	0

# MCG CATALOG

[MCG Catalog > School of Graduate Studies](#)

## School of Graduate Studies

Direct links to specific pages outside of the Catalog are provided here for your convenience.

- [School of Graduate Studies Home Page](#)
- [Admissions Requirements](#)
- [Course Descriptions \(PDF\)](#)
- [School of Graduate Studies Faculty](#)

### master of science

- [Allied Health](#)
- [Biochemistry and Molecular Biology](#)
  - General Information
- [Biostatistics](#)
- [Cellular Biology & Anatomy](#)
  - Graduate Program Brochure
- [Clinical and Translational Science](#)
  - Curriculum
- [Genomic Medicine](#)
  - Curriculum
- [Microbiology](#)
- [Molecular Medicine](#)
  - Program Overview
  - Sample Curriculum
  - Program Brochure
- [Neuroscience](#)
  - Admissions and Course Information
  - Course Descriptions
- [Pharmacology](#)
  - Program Brochure
- [Physiology](#)
  - Program Brochure
- [Vascular Biology](#)
  - Curriculum
  - Admission Requirements

### master of Health Education

- [Health Education \(Program Currently Deactivated\)](#)

### doctorate

- [Biochemistry and Molecular Biology](#)

## General Information

- ▣ Biostatistics
  - Cellular Biology & Anatomy
    - Graduate Program Brochure
- ▣ Genomic Medicine
  - Curriculum
- Microbiology
- ▣ Molecular Medicine
  - Program Overview
  - Sample Curriculum
  - Program Brochure
- Neuroscience
  - Admissions and Course Information
  - Course Descriptions
- Pharmacology
  - Program Brochure
- ▣ Physiology
  - Program Brochure
- Vascular Biology
  - Curriculum
  - Admission Requirements

NOTE: Graduate programs not listed here can be found on the school page with the primary teaching responsibility.

## School of Dentistry: Course Descriptions Fall 2007

Department	Course Subject	Course No.	Course Title	Course Description	Credit Hrs.	Bill Hrs.	Lecture Hrs.	Lab Hrs.	Other Hrs.
Dental Administration	BSAD	5001	Behavior Science Applied to De		2	2	2		
Dental Administration	CPRD	5001	Basic Cardiac Life Support I		1	1	1		
Dental Administration	CPRD	5002	Basic Cardiac Life Support II		1	1	1		
Dental Administration	DCLK	5901	Dental Clerkship		4	4			8
Dental Administration	DIVD	5001	Diversity Issues and Language		1	1		1	
Dental Administration	ETHD	5001	Ethics for Health Professionals		1	1	1		
Dental Administration	ETHD	5002	Ethics, Jurisprudence, and Dent		1	1	1		
Dental Administration	IDDS	5001	Independent Dental Studies		1	1			2
Dental Administration	MBDL	5901	Mock Boards for Dental Licensure		1	1	0		0
Dental Administration	NSOD	5001	New Student Orientation		1	1	2		
Dental Administration	PTCR	5921	Patient Services		3	3			6
Dental Administration	PTCR	5922	Patient Services		3	3			6
Dental Administration	PTCR	5923	Patient Services		3	3			6
Dental Administration	PTCR	5924	Patient Services		3	3			6
Dental Administration	PTCR	5925	Patient Services		3	3			6
Dental Administration	PTCR	5926	Patient Services		3	3			6
Dental Administration	PTCR	5927	Patient Services		3	3			6
Dental Administration	PTCR	5928	Patient Services		3	3			6
Dental Administration	PTCR	5929	Patient Services		3	3			6
Dental Administration	PTCR	5930	Patient Services		3	3			6
Dental Administration	PTCR	5931	Patient Services		3	3			6
Dental Administration	PTCR	5932	Patient Services		3	3			6
Dental Administration	PTCR	5933	Patient Services		1	1			6



Dental Administration	PTCR	5934	Patient Services		1	1		1
Dental Administration	RDCT	5001	Research Design and Critical T		2	2	2	
Dental Administration	SPDS	5001	Special Dental Studies		1	1	2	2
Dental Administration	CLCR	8001	Physical Diagnosis	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.	1	1	1	
Dental Administration	CLCR	8004	Research Design and Statistics	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 this course, students should be able to understand, interpret and critique the results of application of these statistical techniques as found in the health sciences literature. The overall objective of this course is to instill in students a practical understanding of and appreciation for the role of statistics in the biomedical health sciences.	1	1	1	
Dental Administration	CLCR	8006	Radiology	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	1	1	1	

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.

Dental Administration	CLCR	8008	Adjunctive Ortho Procedures	This seminar course will review common orthodontic techniques utilizing fixed and removable appliances that will support a multidisciplinary treatment plan. This course will highlight the importance of an accurate and timely orthodontic diagnosis emphasizing a team approach in developing a patient's comprehensive treatment plan to maximize the patient's esthetic and functional goals. This seminar will provide an overview of orthodontic treatment philosophy and biomechanics.	1	1	1
Dental Administration	CLCR	8010	Practice Management	CLCR8010 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 indepth two hour seminar for each subject is presented to the residents by experts in the respective areas of business.	1	1	1
Dental Administration	CLCR	8011	Basic Cardiac Life Support	In this course the student completes a Basic Cardiac Life Support Healthcare Provider	1	1	1

course according to the standards established by the American Heart Association. In addition, MCG Emergency Medical Protocol is reviewed.

Dental Administration	CLCR	8014	Dental Implantology	This is a course designed to introduce the resident to the theoretical principles, designs and materials used in osseointegrated implant prosthodontics.	2	2	2		
Dental Administration	CLCR	8016	Cleft Palate & Craniofacial An	This seminar is an overview of normal and abnormal facial development and speech. A multidiscipline approach to the recognition, and the treatment of many aspects of patients with cleft palate will be presented.	1	1	1		
Dental Hygiene	DHYG	3100	Intro to Clinic I	Fundamentals of infection control, patient assessment, and periodontal instrumentation.	6	6	2	0	8
Dental Hygiene	DHYG	3105	Theory and Practice I	Concepts, principles, and skills essential for comprehensive patient assessment and education.	3	3	3	0	8
Dental Hygiene	DHYG	3110	Dental Anatomy	Primary and permanent dentition, root morphology, function, anomalies, and comparative anatomy.	3	3	3	0	0
Dental Hygiene	DHYG	3115	Oral Anatomy and Physiology	Gross anatomy of head and neck, microcirculation of oral tissues, embryological development.	2	2	2	0	0
Dental Hygiene	DHYG	3120	Introduction to Clinic II	An introduction to patient care, power instrumentation, and dental sealants.	4	4	0	2	6
Dental Hygiene	DHYG	3125	Theory and Practice II	Dental hygiene care for special populations including medically compromised patients.	3	3	3	0	0
Dental Hygiene	DHYG	3130	Dental Radiology	Radiation physics, biology, infection control, radiograph exposure and processing.	2	2	2	0	0
Dental Hygiene	DHYG	3135	Dental Microbiology	Microbiology of living cells and pathogenesis of bacteria, fungi, and viruses.	2	2	2	0	0
Dental Hygiene	DHYG	3140	Periodontics Seminar	Clinical presentations of periodontal disease and treatment options.	1	1	1	0	0

Dental Hygiene	DHYG	3145	Nutrition	Nutritional recommendations and implications resulting from nutritional deficiency.	1	1	1	0	0
Dental Hygiene	DHYG	3150	Dental Materials	Scientific principles of dental materials.	1	1	1	2	0
Dental Hygiene	DHYG	3200	Patient Care I	Clinical application of the dental hygiene process of care.	3	3	0	0	6
Dental Hygiene	DHYG	3205	Theory and Practice III	Concepts, principles, and skills essential for rendering comprehensive dental hygiene care.	2	2	2	0	0
Dental Hygiene	DHYG	3210	Research Design	Research design, critique, and basic statistical decision making.	3	3	2	2	0
Dental Hygiene	DHYG	3215	Community Dental Health	History of public health dentistry, epidemiology, indices, and community program planning.	2	2	0	0	0
Dental Hygiene	DHYG	3220	Dental Specialty Clinics I	Dental hygiene field experience at various dental specialty clinics.	1	1	0	0	81
Dental Hygiene	DHYG	3225	Dental Materials Lab	Manipulation and use of selected dental materials.	2	2	1	2	0
Dental Hygiene	DHYG	3230	Patient Care II	Clinical application of the dental hygiene process of care.	6	6	0	12	
Dental Hygiene	DHYG	3235	Theory and Practice IV	Concepts, principles, and skills essential for rendering comprehensive dental hygiene care.	2	2	2	0	0
Dental Hygiene	DHYG	3240	Pharmacology	Drugs used to treat diseases and disorders with emphasis on those used in dentistry.	3	3	3	0	0
Dental Hygiene	DHYG	3245	Radiology Tech I	Experiences in basic dental intraoral radiographic technique, error recognition/correction, and interpretation.	1	1	0	0	2
Dental Hygiene	DHYG	3250	Pathology	Principles and mechanisms of disease with emphasis on clinical aspects of oral disease.	3	3	3	0	0
Dental Hygiene	DHYG	3255	Dental Specialty Clinic II	Expanded opportunities to observe, assist, and provide care to patients in various specialty clinics.	1	1	0	0	2
Dental Hygiene	DHYG	3260	Patient Care III	Clinical application of the dental hygiene process of care.	6	6	0	0	8

Dental Hygiene	DHYG	3265	Theory and Practice V	Concepts, principles, and skills essential for rendering comprehensive dental hygiene care.	2	2	2	0	0
Dental Hygiene	DHYG	3270	Radiology Technique II	Advanced radiographic technique, error recognition/correction, and interpretation.	1	1	0	2	0
Dental Hygiene	DHYG	3275	Oral Medicine	Major complications of common systemic diseases and their effect on the provision of oral health care.	2	2	2	0	0
Dental Hygiene	DHYG	3280	Practice Administration	Dental practice management with focus on ethical and legal issues.	2	2	2	0	0
Dental Hygiene	DHYG	3285	Dental Hygiene Practicum	Clinical dental hygiene field experience in a dental private practice setting.	2	2	0	0	4
Endodontics	ENDO	5001	Fundamentals of Endodontics		3	3	2	3	
Endodontics	ENDO	5002	Endodontic Seminar		1	1	1		
Endodontics	ENDO	5901	Endodontic Clinic		0	0			0
Endodontics	ENDO	7010	Didactic Endodontics		10	10	10		
Endodontics	ENDO	7020	Didactic Endodontics		16	16	16		
Endodontics	ENDO	7030	Didactic Endodontics		22	22	22		
Endodontics	ENDO	7110	Clinical Endodontics	Patient Care	6	6			12
Endodontics	ENDO	7120	Clinical Endodontics		18	18			36
Endodontics	ENDO	7130	Clinical Endodontics		24	24			48
Endodontics	ENDO	8010	Didactic Endodontics		4	4	4		
Endodontics	ENDO	8020	Didactic Endodontics		16	16	16		
Endodontics	ENDO	8030	Didactic Endodontics		22	22	22		
Endodontics	ENDO	8110	Clinical Endodontics	Patient Care	10	10			20

Endodontics	ENDO	8120	Clinical Endodontics	Patient Care	18	18	36
Endodontics	ENDO	8130	Clinical Endodontics	Patient Care	24	24	48
Oral & Maxillofacial Surgery	OMFS	5001	Local Anesthesia		1	1	1
Oral & Maxillofacial Surgery	OMFS	5002	Fundamentals of Oral Surgery		2	2	2
Oral & Maxillofacial Surgery	OMFS	5003	Advanced Oral Surgery		1	1	1
Oral & Maxillofacial Surgery	OMFS	5901	Oral Surgery Clinic		0	0	0
Oral & Maxillofacial Surgery	OMFS	5902	Oral Surgery Clinic		1	1	2
Oral & Maxillofacial Surgery	OMFS	5903	Oral Surgery / Hospital Clinic		0	0	0
Oral & Maxillofacial Surgery	OMFS	6010	Oral Surgery Didactics	Teaching Rounds, Orthodontic Conference, Surgical Ground Rounds, Journal Club, Physical Diagnosis, Anatomy, Teaching Session, Oral Pathology	8	8	8
Oral & Maxillofacial Surgery	OMFS	6020	Oral Surgery Didactics	Teaching Rounds, Orthodontic Conference, Surgical Ground Rounds, Journal Club, Teaching Session, Oral Pathology	9	9	9
Oral & Maxillofacial Surgery	OMFS	6030	Oral Surgery Didactics	Teaching Rounds, Orthodontic Conference, Surgical Ground Rounds, Journal Club, Teaching Session	8	8	8
Oral & Maxillofacial Surgery	OMFS	6110	Oral Surgery Clinic Care	Oral Surgery Clinical Care, Ambulatory General Anesthesia, Clinical Inpatient Care, Clinical Outpatient Care, Medicine Rotation	20	20	40
Oral & Maxillofacial Surgery	OMFS	6120	Oral Surgery Clinic Care	Ambulatory General Anesthesia, Clinical Inpatient Care - OMS, Clinical Outpatient Care - OMS, Anesthesia Rotation	20	20	40
Oral & Maxillofacial Surgery	OMFS	6130	Oral Surgery Clinic Care	Ambulatory General Anesthesia, Clinical Inpatient Care, Clinical Outpatient Care, Anesthesia Rotation	20	20	40
Oral & Maxillofacial Surgery	OMFS	9010	Oral Surgery	Teaching Rounds, Orthodontic Conference,	8	8	8

			Didactics	Surgical Ground Rounds, Journal Club, Teaching Session				
Oral & Maxillofacial Surgery	OMFS	9020	Oral Surgery Didactics	Teaching Rounds, Orthodontic Conference, Surgical Grand Rounds, Journal Club, Teaching Session, Oral Pathology	9	9	9	
Oral & Maxillofacial Surgery	OMFS	9030	Oral Surgery Didactics	Teaching Rounds, Orthodontic Conference, Surgical Ground Rounds, Journal Club, Teaching Session	8	8	8	
Oral & Maxillofacial Surgery	OMFS	9110	Oral Surgery Clinic Care	Ambulatory General Anesthesia, Clinical Inpatient Care, Clinical Outpatient Care	20	20		40
Oral & Maxillofacial Surgery	OMFS	9120	Oral Surgery Clinic Care	Ambulatory General Anesthesia, Clinical Inpatient Care - OMS, Clinical Outpatient Care - OMS	20	20		40
Oral & Maxillofacial Surgery	OMFS	9130	Oral Surgery Clinic Care	Ambulatory General Anesthesia, Clinical Inpatient Care, Clinical Outpatient Care	20	20		40
Oral Bio& Maxillofacial Path	DANA	5001	General and Oral Microanatomy		6	6	5	1
Oral Bio& Maxillofacial Path	DANA	5002	Applied Head and Neck Anatomy		5	5	3	3
Oral Bio& Maxillofacial Path	DANA	5003	Neuroscience		3	3	2	1
Oral Bio& Maxillofacial Path	DANA	5004	Systemic Anatomy		3	3	2	2
Oral Bio& Maxillofacial Path	DBIO	5001	Biochemical Basis of Oral Heal		6	6	6	
Oral Bio& Maxillofacial Path	DBIO	5002	Molecular Bio Craniofacial Dev		2	2	2	
Oral Bio& Maxillofacial Path	DBIO	5003	Nutrition		1	1	1	
Oral Bio& Maxillofacial Path	DMIC	5001	Oral Microbiology and Infection		3	3	3	
Oral Bio& Maxillofacial Path	DMIC	5002	Oral Microbiology and Infection		3	3	3	
Oral Bio& Maxillofacial Path	DMIC	5003	Cariology		2	2	2	
Oral Bio& Maxillofacial Path	DPAT	5001	Applied Pathology for Dentistry		5	5	5	
Oral Bio& Maxillofacial Path	DPAT	5002	Clinical Pathology Conferences		2	2	2	
Oral Bio& Maxillofacial Path	DPAT	5003	Oral Pathology		5	5	5	

Oral Bio& Maxillofacial Path	DPHM	5001	Pharmacology & Therapeutics		1	1	1		
Oral Bio& Maxillofacial Path	DPHM	5002	Pharmacology & Therapeutics		5	5	5		
Oral Bio& Maxillofacial Path	DPHY	5001	Physiological Foundations for D		4	4	4		
Oral Bio& Maxillofacial Path	DPHY	5002	Physiological Foundations for D		2	2	2		
Oral Bio&Maxillofacial Path	OBMP	5001	Bioclinical Seminar I		0	0	0		
Oral Bio&Maxillofacial Path	OBMP	5002	Bioclinical Seminar II		0	0	1		
Oral Bio&Maxillofacial Path	OBMP	5003	Special Topics in Oral Biology		4	4	8		
Oral Bio&Maxillofacial Path	OBMP	7210	Applied Pathology	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.	3	3	3	0	0
Oral Bio&Maxillofacial Path	OBMP	8001	Topics in Oral Biology 1	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. Prerequisites: D.M.D., D.D.S., or equivalent;	2	2	2	0	0



2 years dental school for combined programs.

Oral Bio&Maxillofacial Path	OBMP	8002	Topics in Oral Biology 2	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. Prerequisites: D.M.D., D.D.S., or equivalent; 2 yrs dental school for combined programs.	2	2	2	0	0
Oral Bio&Maxillofacial Path	OBMP	8003	Topics in Oral Biology 3	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. Prerequisites: D.M.D., D.D.S., or equivalent; 2 yrs dental school for combined programs.	2	2	2	0	0
Oral Bio&Maxillofacial Path	OBMP	8004	Topics in Oral Biology 4	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.	2	2	2	0	0
Oral Bio&Maxillofacial Path	OBMP	8540	Advanced Oral Pathology	This course is comprised of a series of lectures on Advanced Oral Pathology with	2	2	2	0	0

emphasis on the etiology, mechanisms, and state of the art diagnostic measures and prognostic evaluation.

Oral Bio&Maxillofacial Path	OBMP	8640	Research Proposal Development	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.	2	2	2	0	0
Oral Bio&Maxillofacial Path	OBMP	9010	Grad Oral Bio Seminar	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.	1	1	1	0	0
Oral Bio&Maxillofacial Path	OBMP	9020	Grad Oral Bio Seminar	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.	1	1	1	0	0

presenter.

Oral Bio&Maxillofacial Path	OBMP	9210	Investigation of a Problem	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.	1	1	0	0	0
Oral Bio&Maxillofacial Path	OBMP	9300	Research	The student works closely with his 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 disseration or MS thesis. Prerequisites: Permanent assignment to a specific lab with a faculty advisor and a defined research project.	1	1	0	0	0
Oral Bio&Maxillofacial Path	OBPR	8001	Topics in Oral Biology 1	Hard Tissue Biology, TMJ Disorders, Regeneration/Repair	2	2	2		
Oral Bio&Maxillofacial Path	OBPR	8002	Topics in Oral Biology 2	Bleeding Disorders, Orofacial Infections	2	2	2		
Oral Bio&Maxillofacial Path	OBPR	8003	Topics in Oral Biology 3	Pain and Anxiety Management in Dentistry Salivary Gland Function in health and Disease Management of the medically Compromised Patient	2	2	2		
Oral Bio&Maxillofacial Path	OBPR	8004	Topics in Oral Biology 4	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.	2	2	2		
Oral Bio&Maxillofacial Path	OBPR	8540	Advanced Oral Pathology 1	This course is designed to meet the educational endeavors in oral and para-oral pathology for residents in various clinical disciplines and graduate students in oral biology and maxillofacial pathology. the course includes most current advanced oral	2	2	2		

course includes most current advanced oral pathology parameters derived from various clinical and scientific journals. The subjects of lectures are compiled in consultation with the clinical residency directors; over the years.

Oral Bio&Maxillofacial Path	OBPR	9010	Graduate Oral Biology Seminar	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 experience in presenting their scientific results to audiences of their peers.	1	1	1
Oral Bio&Maxillofacial Path	OBPR	9020	Graduate Oral Biology Seminar	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 experience in presenting their scientific results to audiences of their peers.	1	1	1
Oral Diagnosis	EDSC	5901	Emergency Dental Services		1	1	1
Oral Diagnosis	ODOM	5001	Principles of Personal Prevent		1	1	1
Oral Diagnosis	ODOM	5002	Oral Diagnosis 1		1	1	1
Oral Diagnosis	ODOM	5003	Oral Medicine The Medically C		3	3	3
Oral Diagnosis	ODOM	5005	Senior Comprehensive Care Case		1	1	1
Oral Diagnosis	ODOM	5901	Oral Medicine Clinic		0	0	0
Oral Diagnosis	ODOM	5902	Oral Medicine Clinic		1	1	2
Oral Diagnosis	ORPR	5001	Orientation to the		1	1	2

			Profession					
Oral Diagnosis	RADD	5001	Radiology	2	2	2	1	
Oral Diagnosis	RADD	5002	Dental Radiologic Interpretation	2	2	2		
Oral Diagnosis	TXPL	5001	Treatment Planning 1	1	1	1		
Oral Diagnosis	TXPL	5002	Treatment Planning 2	1	1	1		
Oral Rehabilitation	CDCL	5001	Complete Dentures	3	3	1	1	3
Oral Rehabilitation	CDPR	5001	Preclinical Complete Dentures	1	1	0	0	
Oral Rehabilitation	DMAT	5001	Dental Materials	2	2	2	1	
Oral Rehabilitation	ESTD	5001	Esthetic Restorative Dentistry	3	3	1	1	
Oral Rehabilitation	FIXP	5001	Fixed Prosthodontics 1	5	5	2	6	
Oral Rehabilitation	FIXP	5002	Fixed Prosthodontics 2	4	4	2	6	
Oral Rehabilitation	GERD	5001	Introduction to Geriatric Dentistry	2	2	2		
Oral Rehabilitation	OCCL	5001	Dental Anatomy and Occlusion	7	7	4	5	
Oral Rehabilitation	OCCL	5002	Occlusal Analysis	3	3	1	1	2
Oral Rehabilitation	OCCL	5003	Diagnosis and Treatment of Tem	2	2	1	1	
Oral Rehabilitation	OCCL	5901	Occlusion Clinic	0	0			0
Oral Rehabilitation	OPER	5001	Operative Dentistry	1	1	0	0	
Oral Rehabilitation	PADM	5001	Introduction to Operatory Proc	1	1	1		
Oral Rehabilitation	PADM	5002	Principles and Practice of Small	2	2	2		
Oral Rehabilitation	PADM	5003	Principles and Practice of Small	3	3	3		
Oral Rehabilitation	PROS	5001	Advanced	3	3	2	1	

				Prosthodontics			
Oral Rehabilitation	PROS	5901	Prosthodontics Clinic	0	0		0
Oral Rehabilitation	REST	5001	Fixed Prosthodontics Seminar	1	1	1	
Oral Rehabilitation	REST	5002	Restorative Seminar	0	0	0	
Oral Rehabilitation	REST	5901	Restorative Clinic	2	2		0
Oral Rehabilitation	RPDP	5001	Removable Partial Dentures	1	1	0	0
Orthodontics	ORTH	5001	Orthodontics 1	2	2	2	1
Orthodontics	ORTH	5002	Orthodontics 2	2	2	2	
Orthodontics	ORTH	5901	Orthodontic Clinic	0	0		0
Orthodontics	ORTR	7010	Edgewise Therapy	12	12	12	
			Contemporary Orthodontics, Basic Cephalometrics, Research				
Orthodontics	ORTR	7020	Advanced Diagnosis 1	12	12	12	
			Literature Review, Contemporary Orthodontics, Advanced Cephalometrics, Principles of Occlusion and TMD, Edgewise Appliances - Biomechanics, Research				
Orthodontics	ORTR	7030	Advanced Diagnosis 2	12	12	12	
			Literature Review, Contemporary Orthodontics, Research, Principles of Occlusion and TMD				
Orthodontics	ORTR	7110	Clinical Orthodontics	14	14		28
			Clinical Orthodontics (Adults and Children)				
Orthodontics	ORTR	7120	Craniofacial Deformities 1				
			Clinical Orthodontics (Adults and Children), Craniofacial Deformities (CL&P)				
Orthodontics	ORTR	7130	Craniofacial Deformities 2	14	14		28
			Clinical Orthodontics (Adults & Children), Craniofacial Orthodontics				
Orthodontics	ORTR	7210	Diagnostic Essentials	2	2		2
			Orientation/Ortho Records, Diagnosis and Treatment Planning, Clinical Photography				
Orthodontics	ORTR	7220	Surgical Orthodontics	2	2	1	2
			Surgical Orthodontics, Diagnosis and Treatment Planning				
Orthodontics	ORTR	7230	Dentofacial Malocclusions II	2	2		2
			Surgical Orthodontics, Diagnosis and Treatment Planning, Graduate Teaching				

## Assistant

Orthodontics	ORTR	8010	Orthodontic Treatment	Orthodontic Treatment: Principles and Techniques, Contemporary Orthodontics, Literature Review, Research	12	12	12	
Orthodontics	ORTR	8020	Finishing and Retention 1	Contemporary Orthodontics, Literature Review, Finishing Orthodontic Treatment (Final Details), Research	12	12	12	
Orthodontics	ORTR	8030	Finishing and Retention 2	Contemporary Orthodontics, Literature Review, Finishing Orthodontic Treatment (Final Details)	12	12	12	
Orthodontics	ORTR	8110	Comprehensive Orthodontic Tx 1	Clinical Orthodontics (Adults & Children), Surgical Orthodontics, Craniofacial Deformities, Graduate Teaching Assistant, Principles of Occlusion & TMD, Interdisciplinary Comprehensive Care	14	14		28
Orthodontics	ORTR	8120	Comprehensive Orthodontic Tx 2	Clinical Orthodontics (Adult & Children), Surgical Orthodontics, Craniofacial Deformities, Graduate Teaching Assistant, Principles of Occlusion & TMD, Interdisciplinary Comprehensive Care, Dentofacial Orthopedics - Orthodontics & Orthopedic Appliance Design	14	14		28
Orthodontics	ORTR	8130	Comprehensive Orthodontic Tx 3	Clinical Orthodontics (Adult & Children), Surgical Orthodontics, Craniofacial Deformities, Graduate Teaching Assistant, Principles of Occlusion & TMD, Interdisciplinary Comprehensive Care, Dentofacial Orthopedics - Orthodontics & Orthopedic Appliance Design	14	14		29
Orthodontics	ORTR	8210	Diagnosis & Treatment Plan 1	Diagnosis & Treatment Planning	2	2		2 2
Orthodontics	ORTR	8220	Diagnosis & Treatment Plan 2	Diagnosis & Treatment Planning	2	2	1	2
Orthodontics	ORTR	8330	Diagnosis & Treatment Plan 3	Diagnosis & Treatment Planning	2	2		2 2
Orthodontics	ORTR	9010	Classic & Current Lit Review 1	Literature Review, Research	12	12	12	

Orthodontics	ORTR	9020	Classic & Current Lit Review 2	Literature Review, Defense of Completed Cases, Research	12	12	12	
Orthodontics	ORTR	9110	Comprehensive Orthodontic Tx 4	Clinical Orthodontics, Surgical Orthodontics, Graduate Teaching Assistant, Screening Orthodontic Patients	14	14		28
Orthodontics	ORTR	9120	Comprehensive Orthodontic Tx 5	Clinical Orthodontics, Surgical Orthodontics, Graduate Teaching Assistant, Screening Orthodontic Patients	14	14		28
Orthodontics	ORTR	9210	ABO Tx Plan Assessment 1	Diagnosis & Treatment Planning	2	2	2	2
Orthodontics	ORTR	9220	ABO Tx Plan Assessment 2	Diagnosis & Treatment Planning	2	2	1	2
Patient Services	PTSR	5901	Introduction to Patient Services		2	2	0	0
Patient Services	PTSR	5902	Patient Services		0	0		0
Patient Services	PTSR	5903	Patient Services		1	1		2
Pediatric Dentistry	PEDD	5001	Preclinical Pediatric Dentistry		3	3	3	1
Pediatric Dentistry	PEDD	5002	Pediatric Dentistry Seminar		1	1		1
Pediatric Dentistry	PEDD	5003	Dentistry for the Disabled Pat		1	1	1	
Pediatric Dentistry	PEDD	5901	Clinical Pediatric Dentistry		0	0		0
Pediatric Dentistry	PEDD	5902	Clinical Pediatric Dentistry		2	2		4
Pediatric Dentistry	PEDD	7010	Pediatric Dentistry Didactics		6	6	6	
Pediatric Dentistry	PEDD	7020	Pediatric Dentistry Didactics		6	6	6	
Pediatric Dentistry	PEDD	7030	Pediatric Dentistry Didactics		2	2	2	
Pediatric Dentistry	PEDD	7110	Pediatric Dentistry Clinic	Clinical Patient Care	9	18		9
Pediatric Dentistry	PEDD	7120	Clinical Pediatric Dentistry		5	5		10
Pediatric Dentistry	PEDD	7130	Pediatric Dentistry	Clinical Patient Care	10	10		20



			Clinic				
Pediatric Dentistry	PEDD	7220	Pediatric Dentistry Rotations	Clinical Patient Care Rotations	8	8	16
Pediatric Dentistry	PEDD	8010	Pediatric Dentistry Didactics		2	2	2
Pediatric Dentistry	PEDD	8020	Pediatric Dentistry Didactics		6	6	6
Pediatric Dentistry	PEDD	8030	Pediatric Dentistry Didactics		6	6	6
Pediatric Dentistry	PEDD	8110	Pediatric Dentistry Clinic	Clinical Patient Care	10	10	20
Pediatric Dentistry	PEDD	8120	Clinical Pediatric Dentistry		8	8	16
Pediatric Dentistry	PEDD	8130	Pediatric Dentistry Clinic	Clinical Patient Care	10	10	20
Periodontics	IMPL	5001	Intro to Oral Implantology		2	2	1
Periodontics	PERI	5001	Fundamental of Periodontology		2	2	2
Periodontics	PERI	5002	Non-Surgical Periodontics		1	1	1
Periodontics	PERI	5003	Surgical Periodontics		1	1	1
Periodontics	PERI	5004	Periodontology in General Practice		2	2	2
Periodontics	PERI	5901	Periodontology Clinic		1	1	1
Periodontics	PERI	5902	Periodontology Clinic		1	1	2
Periodontics	PERR	7001	Periodontal Therapy Seminar		16	16	16
Periodontics	PERR	7002	Periodontal Therapy Seminar		20	20	20
Periodontics	PERR	7003	Advanced Periodontology 2		28	28	28
Periodontics	PERR	7101	Clinical Periodontics 1		16	16	32

Periodontics	PERR	7102	Clinical Periodontics 2	Clinical Patient Care	20	20		40
Periodontics	PERR	8004	Advanced Periodontology 3		20	20		20
Periodontics	PERR	8005	Advanced Periodontology 4		28	28	28	
Periodontics	PERR	8103	Clinical Periodontics 3	Clinical Patient Care	8	8		16
Periodontics	PERR	8104	Clinical Periodontics 4		16	16		32
Periodontics	PERR	8105	Clinical Periodontics 5	Clinical Patient Care	20	20		40
Periodontics	PERR	9006	Advanced Periodontology 5		20	20	20	
Periodontics	PERR	9007	Advanced Periodontology 6		28	28	28	
Periodontics	PERR	9106	Clinical Periodontics 6	Clinical Patient Care	8	8		16
Periodontics	PERR	9107	Clinical Periodontics 7		16	16		32
Periodontics	PERR	9108	Clinical Periodontics 8	Clinical Patient Care	20	20		40
Periodontics	RSUR	5006	Oral Surgery Internship	PPROF_ORMS	27	27	10	50
Prosthodontics	PROR	7010	Didactic Prosthodontics		16	16	16	
Prosthodontics	PROR	7020	Didactic Prosthodontics	Current Literature Review, Treatment Planning, Classic Literature Review, Occlusion/Articulator Seminar, Maxillofacial Prosthodontics	11	11	11	
Prosthodontics	PROR	7030	Didactic Prosthodontics		10	10	10	
Prosthodontics	PROR	7120	Clinical Prosthodontics	Prosthodontic patient care clinic.	12	12		24
Prosthodontics	PROR	7130	Clinical Prosthodontics	Clinical Patient Care	14	14		28
Prosthodontics	PROR	8020	Didactic	Current Literature Review, Treatment	13	13	13	

			Prosthodontics	Planning Conference, Classic Literature Review, Occlusion/Articulation Seminar, Removable Partial Prosthodontics			
Prosthodontics	PROR	8030	Didactic Prosthodontics		10	10	10
Prosthodontics	PROR	8110	Clinical Prosthodontics	Clinical Patient Care	17	17	34
Prosthodontics	PROR	8120	Clinical Prosthodontics	Prosthodontic patient care clinic.	12	12	24
Prosthodontics	PROR	8130	Clinical Prosthodontics	Clinical Patient Care	14	14	28
Prosthodontics	PROR	9010	Didactic Prosthodontics	Research	4	4	4
Prosthodontics	PROR	9020	Didactic Prosthodontics	Current Literature Review, Treatment Planning Conference, Clinical Research	5	5	5
Prosthodontics	PROR	9030	Didactic Prosthodontics		6	6	6
Prosthodontics	PROR	9110	Clinical Prosthodontics	Clinical Patient Care	17	17	34
Prosthodontics	PROR	9120	Clinical Prosthodontics	Prosthodontic patient care clinic.	15	15	30
Prosthodontics	PROR	9130	Clinical Prosthodontics	Clinical Patient Care	14	14	28
Restorative Dentistry	REST	5902	Restorative Clinic		0	0	12
Restorative Dentistry	AGDR	7011	Adv General Dent Didactic Crse	Advanced General Dentistry Didactic Course	1	1	5
Restorative Dentistry	AGDR	7012	Adv General Dent Clin Crse-Pat	Advanced General Dentistry Clinic Course - Patient Care	5	5	35
Restorative Dentistry	AGDR	7021	Adv General Dentistry Didactic	Advanced General Dentistry Didactic Course	7	7	5
Restorative Dentistry	AGDR	7022	Adv General Dent Clin-Pat Care	Advanced General Dentistry Clinic - Patient Care	23	23	35
Restorative Dentistry	AGDR	7031	Adv Gen Dent Didactic Course	Advanced General Dentistry Didactic Course	9	9	5
Restorative Dentistry	AGDR	7032	Adv Gen Dent Clinic-Pat Care	Advanced General Dentistry Clinic - Patient Care	30	30	35
Restorative Dentistry	GPRR	7011	General Practice	Case Presentations and Treatment Planning,	12	12	12

Didactics 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

Restorative Dentistry	GPRR	7012	General Practice Clinic	Patient Care	20	20	40
Restorative Dentistry	GPRR	7021	General Practice Didactics	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	12	12	12
Restorative Dentistry	GPRR	7022	General Practice Clinic	Anesthesia Rotation, Emergency Medicine Rotation, Oral Surgery Rotation, Pediatric Dentistry Rotation, General Practice Patient Care Clinic	20	20	40
Restorative Dentistry	GPRR	7031	General Practice Didactics	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	12	12	12
Restorative Dentistry	GPRR	7032	General Practice Clinic	Patient Care	20	20	40
School of Dentistry	COMC	5901	Comprehensive Care		14	14	28
School of Dentistry	COMC	5902	Comprehensive Care		15	15	30
School of Dentistry	DPAT	5004	Clinical Oncology		1	1	1
School of Dentistry	DPHM	5003	Pharmacology		1	1	1

			Seminar			
School of Dentistry	ODOM	5004	Oral Medicine	1	1	1

# MCG CATALOG

[MCG Catalog > School of Dentistry](#)

## School of Dentistry

Direct links to specific pages outside of the Catalog are provided here for your convenience.

### First professional

- [Doctor of Dental Medicine](#)
- [General Admissions Requirements](#)
- [Application to the School of Dentistry](#)
- [Course Descriptions \(PDF\)](#)
- [Curriculum](#)
- [Financial Information](#)
- [Academic Progress Policies](#)
- [Special Degree Programs](#)
- [Residency Programs](#)
- [School of Dentistry Faculty](#)

### Master of science

- [Oral Biology](#)

### doctorate

- [Oral Biology and Maxillofacial Pathology](#)

### Post First professional certificate

- [Advanced Education in General Dentistry](#)
- [Endodontics](#)
- [General Practice Residency](#)
- [Oral Surgery](#)
- [Orthodontics](#)
- [Pediatric Dentistry](#)
- [Periodontics](#)

- Prosthodontics

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# MCG CATALOG

MCG Catalog > School of Dentistry > Curriculum

## School of Dentistry: Curriculum

COURSE #	COURSE NAME	SEM BEG/END	TOTAL HRS	CREDIT HRS
<b>Fall Freshman Year (1)</b>				
BSAD5001	Behavior Science Applied to Dentistry	01	32	2
DAU5001	Introduction to Operatory Procedures	01	8	1
ETH5000	Ethics for Health Professionals	01	14	1
NSO5001	New Student Orientation	01	20	1
OBMP5001	General and Oral Microanatomy	01	92	6
OBMP5101	Biochemical Basis of Oral Health & Disease	01	87	6
OBMP5601	Bioclinical Seminar I	01-03	14	1
OCCL5001	Dental Anatomy and Occlusion	01	142	7
OMD5001	Principles of Personal Prevention	01	16	1
ORP5001	Orientation to the Profession and Ethics	01	21	1
RDCT5001	Research Design & Critical Thinking	01	32	2
RES5001	Operative Dentistry	01-02	150	6
<b>Spring Freshman Year (2)</b>				
OBMP5002	Applied Head and Neck Anatomy	02	94	5
OBMP5102	Molecular Biology of Craniofacial Development	02	32	2
OBMP5103	Nutrition	02	16	1
OBMP5201	Physiological Foundation for Dental Practice I	02	62	4
OMD5002	Oral Diagnosis I	02	16	1
PER5001	Fundamentals of Periodontology	02	58	3
RADD5001	Radiology	02	38	2
<b>Summer Sophomore Year (3)</b>				
CPR5001	Basic Cardiac Life Support (CPR)	03	17	1
OBMP5003	Neuroscience	03	44	3
OBMP5202	Physiological Foundation for Dental Practice II	03	30	2
OBMP5401	Pharmacology & Therapeutics for Dental Practice I	03	10	1
OCC5002	Occlusal Analysis	03	60	3
OMTP5001	Treatment Planning I	03	19	1

OSD5001	Local Anesthesia	03	11	1
PROS5001	Preclinical Complete Dentures	03-04	140	6
<b>Fall Sophomore Year (4)</b>				
FIX5001	Fixed Prosthodontics I	03-04	156	7
IPSB5901	Introduction to Patient Services	04-05	199	7
OBMP5004	Systemic Anatomy	04	64	3
OBMP5301	Oral Microbiology & Infectious Disease I	04	47	3
OBMP5501	Applied Pathology for Dentistry	04	77	5
PRO5002	Removable Partial Dentures	04-05	112	5
<b>Spring Sophomore Year (5)</b>				
ENDO5001	Fundamentals of Endodontics	05	72	3
FIX5002	Fixed Prosthodontics II	05	94	4
OBMP5302	Oral Microbiology and Infectious Disease II	05	44	3
OBMP5602	Bioclinical Seminar II	05-06	14	1
OBMP5603	Special Topics in Oral Biology	05-06	37	2
ORTH5001	Orthodontics I	05	32	2
PER5002	Surgical Periodontics	05	20	1
PRO5003	Complete Dentures	05	68	3
<b>Summer Junior Year (6)</b>				
CLIN5006*	Not Course - Open Clinic	06	187	0
ENDO5901	Endodontic Clinic	06-07	0	1
OBMP5303	Cariology	06	22	2
OBMP5502	Clinical Pathology Conferences	06	21	2
OCC5003	Diagnosis & Treatment of Temporomandibular Disorders	06	28	2
OMD5901	Oral Medicine Clinic	06-07	0	1
OSD5002	Fundamentals of Oral Surgery	06	27	2
OSD5901	Oral Surgery Clinic	06-10	0	2
PER5901	Periodontic Clinic	06-07	0	2
PM5901	Patient Services	06-07	0	1
RADD5002	Dental Radiologic Interpretation	06	28	2
RES5901	Restorative Clinic	06-07	0	5
<b>Fall Juniors Year (7)</b>				
CLIN5007*	Not Course - Open Clinic	07	273	0
DPS5001	Dental Materials	07	32	2

OBMP5402	Pharmacology & Therapeutics for Dental Practice II	07	77	5
OCC5901	Occlusion Clinic	07-09	0	1
ORTH5002	Orthodontics II	07	32	2
PRO5004	Advanced Prosthodontics	07	52	3
PRO5901	Prosthodontics Clinic	07-09	0	2
RES5004	Fixed Prosthodontic Seminar	07	16	1
RES5005	Esthetic Restorative Dentistry	07	64	2

**Spring Junior Year (8)**

CLIN5008*	Not Course - Open Clinic	08	275	0
CPR5002	Basic Cardiac Life Support (CPR)	08	4	1
DAU5002	Principles & Practice of Small Business Administration I	08	36	2
DAU5901	Dental Practice Dynamics Clinic	08-10	0	1
EDS5901	Emergency Dental Services	08-09	0	1
ENDO5902	Endodontic Clinic	08-11	0	2
OBMP5503	Oral Pathology	08	78	5
OMD5004	Oral Medicine: The Medically Compromised Patient	08	48	3
OMD5902	Oral Medicine Clinic	08	0	1
OMTP5002	Treatment Planning II	08	17	1
ORTH5901	Orthodontic Clinic	08-11	0	1
OSD5003	Advanced Oral Surgery	08	16	1
PEDO5001	Preclinical Pediatric Dentistry	08	54	3
PER5003	Contemporary Topics in Periodontics	08	21	1
PER5902	Periodontic Clinic	08	0	1
PM5902	Patient Services	08-09	0	1
RES5902	Restorative Clinic	08-09	0	5
VOD5001	Vocational Opportunities in Dentistry	08	8	1

**Summer Senior Year (9)**

CLIN5009*	Not Course - Open Clinic	09	283	0
CLK5901	Clerkship	09	120	4
DAU5003	Principles & Practice of Small Business Administration II	09	44	3
OMD5903	Oral Medicine Clinic	09-11	0	2
OSD5903	Oral Surgery Hospital Clinic	09-11	59	2
PEDO5901	Clinical Pediatric Dentistry	09-10	0	1

PER5903	Periodontics Clinic	09-10	0	2
<b>Fall Senior Year (10)</b>				
CLIN5010*	Not Course - Open Clinic	10	403	0
EDS5902	Emergency Dental Services	10-11	0	1
ENDO5002	Endodontic Seminar	10	15	1
IMPL5001	Introduction to Oral Implantology	10	16	1
MB5901	Mock Board	10-11	58	2
OBMP5403	Pharmacology Seminar	10	10	1
OBMP5505	Clinical Oncology	10	11	1
OCC5902	Occlusion Clinic	10-11	0	1
OMD5005	Oral Medicine	10	17	0
PEDO5002	Pediatric Dentistry Seminar	10	13	1
PEDO5003	Dentistry for the Disabled Patient	10	8	1
PER5004	Periodontology in a General Practice	10	30	2
PM5903	Patient Services	10	0	1
PRO5902	Prosthodontics Clinic	10-11	0	4
RES5006	Restorative Seminar	10-11	16	1
RES5903	Restorative Clinic	10	0	7
<b>Spring Senior Year (11)</b>				
CLIN5011*	Not Course - Open Clinic	11	410	0
ETH5001	Ethics, Jurisprudence and Dentistry	11	6	1
GER5001	Introduction to Geriatric Dentistry	11	14	1
ISEM5001	Interdisciplinary Seminar	11	14	1
OMD5006	Senior Oral Medicine Case Presentations	11	16	1
OSD5902	Oral Surgery Clinic	11	0	1
PEDO5902	Clinical Pediatric Dentistry	11	0	2
PER5904	Periodontics Clinic	11	0	2
PM5904	Patient Services	11	0	1
RES5904	Restorative Clinic	11	0	7

\*These are not courses but reflect the total open clinic hours that students utilize for patient care in the clinical courses which show "0" clock hours

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# MCG CATALOG

[MCG Catalog > Degrees and Majors Authorized](#)

## Degrees and Majors Authorized

### One-Year Certificates

Certificate in Diagnostic Medical Sonography

Certificate in Health Information Administration

One-Year Certificate in Nuclear Medicine Technology

One-Year Certificate in Radiation Therapy Technology

### Advanced Certificates

Post-Master's Certificate with a Major in Acute Care Nurse Practitioner

Post-Master's Certificate with a Major in Clinical Translational Science

Post-Master's Certificate with a Major in Family Nurse Practitioner

Post-Master's Certificate with a Major in Nursing Informatics

Post-Master's Certificate with a Major in Pediatric Nurse Practitioner

Post-Master's Certificate with a Major in Psychiatric and Mental Health Advanced Practice Nurse

Post-Master's Certificate with a Major in Public/Community Health Clinical Nurse Specialist

Certificate in Medical Technology

Post-First Professional Certificate with a Major in Advanced Education in General Dentistry

Post-First Professional Certificate with a Major in Endodontics

Post-First Professional Certificate with a Major in General Practice Residency

Post-First Professional Certificate with a Major in Oral Surgery

Post-First Professional Certificate with a Major in Orthodontics

Post-First Professional Certificate with a Major in Pediatric Dentistry

Post-First Professional Certificate with a Major in Periodontics

Post-First Professional Certificate with a Major in Prosthodontics

### Bachelor's

Bachelor of Science in Dental Hygiene

Bachelor of Science in Health Information Administration

Bachelor of Science in Medical Technology

Bachelor of Science in Nursing

Bachelor of Science in Nursing RN to BSN

Bachelor of Science in Physician Assistant

Bachelor of Science in Respiratory Therapy

Bachelor of Science in Radiologic Sciences-Diagnostic Medical Sonography

Bachelor of Science in Radiologic Sciences-Medical Dosimetry

Bachelor of Science in Radiologic Sciences-Nuclear Medicine Technology

Bachelor of Science in Radiologic Sciences-Radiation Therapy Technology

### **Master's**

Master of Clinical and Translational Science

Master of Health Education

Master of Health Science in Occupational Therapy

Master of Physician Assistant

Master of Public Health with a Major in Health Informatics

Master of Science with a Major in Allied Health

Master of Science with a Major in Biochemistry and Molecular Biology

Master of Science with a Major in Biostatistics

Master of Science with a Major in Cellular Biology and Anatomy

Master of Science with a Major in Genomic Medicine

Master of Science with a Major in Microbiology

Master of Science with a Major in Molecular Medicine

Master of Science with a Major in Neuroscience

Master of Science with a Major in Pharmacology

Master of Science with a Major in Physiology

Master of Science with a Major in Vascular Biology

Master of Science in Medical Illustration

Master of Science in Nursing with a Major in Clinical Nurse Leadership

Master of Science in Nursing with a Major in Family Nurse Practitioner

Master of Science in Nursing with a Major in Neonatal Nurse Practitioner

Master of Science in Nursing with a Major in Nursing Anesthesia

Master of Science in Nursing with a Major in Nursing, Other

Master of Science in Nursing with a Major in Pediatric Nurse Practitioner

Master of Science with a Major in Oral Biology

### **First Professional**

Doctor of Dental Medicine

Doctor of Medicine

### **Doctoral**

Doctor of Nursing Practice

Doctor of Philosophy with a Major in Biochemistry and Molecular Biology

Doctor of Philosophy with a Major in Biostatistics

Doctor of Philosophy with a Major in Cellular Biology and Anatomy

Doctor of Philosophy with a Major in Genomic Medicine

Doctor of Philosophy with a Major in Microbiology

Doctor of Philosophy with a Major in Molecular Medicine

Doctor of Philosophy with a Major in Neuroscience

Doctor of Philosophy with a Major in Nursing *in cooperation with GA State University*

Doctor of Philosophy with a Major in Oral Biology and Maxillofacial Pathology

Doctor of Philosophy with a Major in Pharmacology

Doctor of Philosophy with a Major in Physiology

Doctor of Philosophy with a Major in Vascular Biology

Doctor of Physical Therapy

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## School of Medicine: Course Descriptions Fall 2007

Department	Course Subject	Course No.	Course Title	Course Description	Credit Hrs.	Bill Hrs.	Lecture Hrs.	Lab Hrs.	Other Hrs.
Pediatrics	PEDS	5000	Basic Clkshp in Pediatric	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. Prerequisite: Successful completion of Phase II	15	15	28		45
Pediatrics	PEDS	5001	Subs Neona Intern	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. Prerequisite: PED 5000	10	10	10		50
Pediatrics	PEDS	5002	Off Campus Special Elec	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. Prerequisite: PED 5000	7	7			40

Advanced Prerequisite: PED 5000

Pediatrics	PEDS	5004	Off Campus Preceptorship	Clinical experience in child health in an off campus setting, Prerequisite: Phase II	7	7	15	40
Pediatrics	PEDS	5005	Pediatric Cardiology	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. Prerequisite: PED 5000	7	7	10	40
Pediatrics	PEDS	5006	Allerg-Clin Immun	Students will evaluate patients of all ages presenting with a variety of disorders ranging from common respiratory and cutaneous allergies to uncommon immunologic disorders. Students will 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. Prerequisite: None	7	7	10	50
Pediatrics	PEDS	5007	Pediatric Research	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	7	7	2	40

technique or a specific investigative methodology, he/she may arrange this with a member of the faculty. Prerequisite: None

Pediatrics	PEDS	5009	Subs Pediatric Intern MCG	The Pediatric substitute intern will serve as an active member (acting intern) of the Pediatric Housestaff 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. Prerequisite: PED 5000	10	10	10	50
Pediatrics	PEDS	5010	Ped Hem-Onc-Sav	The student will develop his/her clinical skills by evaluating and following children and young adults with hematologic or oncologic disorders. Students will follow and manage patients admitted to the Pediatric Hem/Onc Service.	7	7	10	40
Pediatrics	PEDS	5011	Pediatric Gastroenterology	This special elective provides the student an opportunity to participate in the diagnosis and management of gastrointestinal and hepatic	7	7	10	30

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. Prerequisite: PED 5000

Pediatrics	PEDS	5012	Ped Clkshp MMC-Savannah	The student will perform as an acting intern. The student will assume primary care responsibility for patients admitted to the Children's Hospital under the direct supervision of the faculty. The student will participate in the evaluation and management of emergency pediatric problems. Prerequisite: PED 5000	10	10	10	50
Pediatrics	PEDS	5013	Pediatric Infectious Diseases	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	7	7	10	40

organisms, etc. To research and present one major topic in pediatric infectious diseases during this rotation. Prerequisite: PED 5000

Pediatrics	PEDS	5014	Inter-Well Baby Nur Sub-I	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. Prerequisite: PED 5000	10	10	10	40
Pediatrics	PEDS	5016	UH Ped Emer Rm	This elective offers the student exposure to a variety of presentations and problems in Pediatric Acute Care; medical illnesses, trauma, minor surgical procedures, as well as major emergencies. There will be an opportunity to assume progressive responsibility for patient care as an extern under the supervision and guidance of Emergency Room pediatricians. Emphasis is placed on experiential learning and you will follow your patients' progress in this unique Emergency Room setting. You will be required to work every other weekend. Prerequisite: PED 5000	10	10	5	40
Pediatrics	PEDS	5017	Ped Hema-Oncology	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	7	7	10	50

will be reviewed. A research project can be a part of this elective if the student so desires.

Pediatrics	PEDS	5018	Pediatric Clinical Care	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. Prerequisite: Must have completed PED 5000 with a grade of B or above	10	10	12	50
Pediatrics	PEDS	5019	Medical Genetics	Students will expand their knowledge of medical genetics, regarding inheritance of traits, genetic basis of diseases and birth defects, and how genetic disorders are diagnosed and managed. Prerequisites: PED 5000	7	7	10	30
Pediatrics	PEDS	5020	Pediatric Endocrinology	This elective is designed to familiarize the student with normal variations in prepubertal and pubertal growth patterns, the diagnostic approach to pediatric endocrine conditions and the ongoing management of the conditions. The weekly Pediatric Diabetes	7	7	20	20

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. Prerequisite: PED 5000

Pediatrics	PEDS	5022	Pediatric Pulmonology	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. Prerequisite: PED 5000	7	7	24	16
Pediatrics	PEDS	5023	Adolescent Med Elective	This elective provides a concentrated student exposure to adolescent medicine in the primary care (outpatient) environment. The spectrum of care can be expected to include acute and chronic illnesses, gynecologic care, sports medicine, psychosocial and family disorders, growth problems, contraceptive counseling, issues related to adolescent sexuality, and substance abuse disorders. The instructional focus will concentrate upon accurate, extended history taking and communication skills needed to care for this challenging patient population. Recognition and appreciation of the common maladies of adolescence will be taught and their treatments will be demonstrated. Ample time is allowed for the student to review the current literature on a medical topic of interest and write a review article during the month. Prerequisite: PED 5000	7	7	10	20

Pediatrics	PEDS	5024	Ped Crit Care-BCH Savannah	This elective in pediatric critical care provides the senior medical student (acting intern) the opportunity to evaluate and manage the critically ill pediatric patient. The student will participate in the diagnosis and management of critically ill children using the history, physical examination, laboratory data and other invasive and non-invasive techniques. A physiologic approach to the evaluation and management of the critically ill patient will be taught and emphasized as it applies to pediatric critical care. Major topics to be covered include: fluid and electrolytes, closed head injury, seizures, respiratory distress/arrest, shock (cardiogenic and non-cardiogenic), poisoning/toxicology, and sepsis. Prerequisite: PED 5000	8	8	12	50
Pediatrics	PEDS	5025	Developmental Pediatrics	Students will work daily with Dr. Carter in the Special Child Clinic caring for children with chronic medical, developmental and neuromuscular conditions. Students will have weekly readings on developmental issues. The student will also attend outlying clinics seeing patients with a wide variety of developmental disabilities. Prerequisite: PED 5000	7	7	12	50
Pediatrics	PEDS	5027	Neonatology Sub-Internship	The objective of the Neonatology Sub-Internship is to give the student an understanding of the practice of Neonatology. The student will be offered the opportunity to provide supervised primary care to neonates in the NICU with responsibilities similar to the NICU resident on a limited number of patients. The clinical experience will be supplemented with a core neonatal lecture series and	10	10	10	50



individualized conferences with the Neonatologist. Students electing this elective should have interest in Pediatrics, Neonatology, Perinatal Medicine, Obstetrics of Intensive Care. Prerequisite: PED 5000

Pediatrics	PEDS	5028	Pediatric Specialty	This elective will provide the student with experiences in (a) Pediatric Cardiology, (b) Pediatric Gastroenterology, and (c) Pediatric Hematology/Oncology. (1) In Pediatric Cardiology, the student will attend outpatient pediatric cardiology clinics one or two days per week. At the end of the elective the student should be able to describe the components of the normal and abnormal pediatric cardiac examination, discuss the events of the cardiac cycle as they relate to the hemodynamics of congenital heart disease and discuss the evaluation and treatment of patients with palpitations, chest pain or syncope. (2) In Pediatric Gastroenterology, the student will attend pediatric gastroenterology clinic on or two days a week. The student will follow inpatient gastroenterology patients with the attending physician. The student will also observe endoscopic procedures and during the month will prepare a pertinent topic for discussion. (3) In Pediatric Hematology/Oncology the student will follow inpatient and outpatient hematology/oncology patients and consults. The student will be expo	7	7	10	40
Pediatrics	PEDS	5034	Ped Crit Care-BCH Savanna	The student should learn how to evaluate and provide the basic management of acutely/critically ill infants and children. Prerequisite: PED 5000	10	10	12	50

Pediatrics	PEDS	5035	Ped Assist Summer Camp	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.	3	3	1	7
Pediatrics	PEDS	5036	Pediatric Subspecialties	Gain experience with the acute and chronic diseases associated with two different pediatric subspecialties.	7	7	5	40
Pediatrics	PEDS	5085	Community Involvement	Students for Community Involvement (SCI) is a two-part elective focused on teaching first and second year medical students principles of preventive cardiology and then giving students an opportunity of going into classrooms throughout the state of Georgia to spread the word about preventive medicine. As part of the elective, there are a series of noon-time "Eat and Learn" lectures on cardiovascular disease, elucidating the role of nutrition, exercise, and smoking in the disease process. Prerequisite: None	1	1	10	
Pediatrics	PEDS	5086	Intro to Ped Hth Prom-Dise	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. Sickle 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 2 weeks, and give a	1	1	10	

student within the first 3 weeks, and give a brief talk on the topic. Prerequisite: None

Pediatrics	PEDS	5087	Neonatology	This elective is an observership in which students will be learning about common neonatal problems. Feeding techniques and their rationale, and treatment modalities used in common problems observed. Prerequisite: None	1	1	4	10
Pediatrics	PEDS	5088	Developmental Pediatrics	The student will see children in the Special Child Clinic. They will be a part of the evaluations with the team decision making process. They will have opportunity to observe children with autism, cerebral palsy, behavior problems, development delay and school problems. Prerequisite: None	1	1	1	2
Pediatrics	PEDS	5089	Fetal Echocardiography	Students will attend echocardiography lectures for pediatric cardiology and learn how to make measurements in preparation for summer research. Prerequisite: None	1	1	1	3
Pediatrics	PEDS	5090	Learning in Family Environment (Life)	Student will step out of their student role and into a true-to-life "hands-on" approach to family-centered care in a patient's home/community environment; students will interact with families/children with chronic medical challenges and/or children with disabilities/special needs. Students will be encouraged to see beyond the child's diagnosis as they see how families accommodate for their child's illness/disability in daily life. The concept of family-centered care will be the basis of this course. Prerequisite: None	1	1	6	
Pediatrics	PEDS	5091	Intro to Integrative Medicine	A study in the practice of utilizing the best and most effective healing modalities from "Complementary" or "Alternative" Medicine in	1	1	2	

				conjunction with conventional, or "Western" medicine. Prerequisite: None				
Pediatrics	PEDS	5092	Pediatric Cardiology	Shadow and observe the physician while learning many aspects of cardiology, patient interaction, and treatment. Prerequisite: None	1	1		4
Pediatrics	PEDS	5093	Physician Healer / Judeo-Christi	To become familiar with the ancient and modern concepts of the physician's role in healing of body, mind, and soul.	1	1	2	
Pediatrics	PEDS	5999	Basic Clerk Remediation in Ped	Remediation of the Basic Core Clerkship in Pediatrics	1	1		
Pediatrics	RPED	5000	Pediatrics Allergy		27	27	10	84
Pediatrics	RPED	5001	Pediatrics Cardiology		27	27	10	84
Pediatrics	RPED	5002	Pediatrics General		27	27	10	84
Pediatrics	RPED	5003	Pediatrics Neonatology		27	27	10	84
Pediatrics	RPED	5004	Pediatrics Critical Care		27	27	10	84
SOM Anesthesiology	ANES	5002	Anesthesiology Research	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. (Dr. Boedeker) Prerequisite: ANES 5011 + Acceptance by Chairman of Department of Anesthesiology	7	7		
SOM Anesthesiology	ANES	5003	Anesthesiology Preceptor	Clinical experience in Anesthesiology in an off campus hospital approved by Departmental Chairman. Prerequisite: None	7	7	10	40
SOM Anesthesiology	ANES	5008	Pain Management	Closely supervised clinical experience in the	7	7	2	

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. (Dr. Martin and Dr. Finnegan) Prerequisite: None

SOM Anesthesiology	ANES	5011	Ans 4 Wk Clrkshp	Student will be introduced to the basic principles and practice of anesthesiology and perioperative medicine. Prerequisites: Senior Students Only	10	10	6	1
SOM Anesthesiology	ANES	5014	Respiratory Care	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. (Ms. Pam Rosema, M.H.S.A., R.R.T.) Prerequisite: None	3	3	16	
SOM Anesthesiology	ANES	5015	Critical Care Anesthesia	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	10	10	3	40

ICU environment; Activities: 1. Daily clinical rounds to evaluate clinical conditions, laboratory and radiologic information and psychosocial needs. 2. Education presentations. 3. Participation in procedural interventions; Assessment: 1. Periodic evaluations of clinical proficiency technical skills and professional behavior. 2. Comprehensive written examinations. Prerequisite: Core Curriculum

SOM Anesthesiology	ANES	5085	Introduction to Anesthesia	Students will learn about the complex field of Anesthesiology which encompasses fields of medicine and surgery using applied physiology, pharmacology, anatomy and patho physiology.	1	1		12
SOM Anesthesiology	RANE	5000	Anesthesiology		27	27	4	50
SOM Anesthesiology	RANE	5001	Anesthesiology Pain Mgmt		27	27	4	50
SOM Biochemistry Molecular Bio	BIOL	3000	Biological Chemistry	This is an introductory biochemistry course with emphasis on molecular biology, proteins, and intermediary metabolism. The focus of the course will be medical biochemistry with the inclusion of both normal and disease processes.	4	4	12	
SOM Biotechnology Genomic Med	GNMD	8050	Compu Methods in Geno and Gene	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	4	4	3	1

available for basic analyses. A large component of the course will be to provide students with hands-on experience with analysis of datasets.

SOM Biotechnology Med	Genomic	GNMD	8051	Translational Genom/ Proteomic	Focusing on how to use the modern high throughput technologies to answer biological questions. Prerequisites: Admission into the Graduate Program in Genomic Medicine.	3	3	3
SOM Biotechnology Med	Genomic	GNMD	8052	Func Geno & Prote Using Anml M	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.	3	3	3
SOM Biotechnology Med	Genomic	GNMD	8060	Genomic Medicine Seminar	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.	1	1	1
SOM Biotechnology Med	Genomic	GNMD	9210	Inves of a Prob Genomic Med	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 in introduction to the scientific method.	1	1	1

SOM Biotechnology Genomic Med	GNMD	9300	Research in Genomic Medicine	The student works closely with his/her faculty dissertation mentor on an in depth study of a resarch question of interest to both student and mentor. This course culminates in the preparation of a Ph.D. dissertation.	1	1		1	
SOM Cellular Biology & Anatomy	ANAT	6510	Systemic Anatomy	Study of the Anatomy of the Human Body as applicable to Clinical Practice. Lectures, Laboratory and demonstration materials are directed studies. Prerequisite: Admission to PA Program	5	5	4	6	
SOM Cellular Biology & Anatomy	ANAT	7010	Human Gross Anatomy	Study of the Anatomy of the Human Body as applicable to Clinical Practice. Lectures, laboratory and demonstration materials are directed studies.	7	7	4	6	
SOM Cellular Biology & Anatomy	ANAT	7030	Neuroanatomy		3	3	3	1	
SOM Cellular Biology & Anatomy	ANAT	8050	Cell Biology and Development	The microscopic anatomy and development of all human organ systems as well s 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. Prerequisite: Cell Biology, Biochemistry and/or Gross Anatomy, or permission of the course director.	7	7	3	3	
SOM Cellular Biology & Anatomy	ANAT	9010	Seminar in Cell Bio-Anm	Forum for MCG faculty, visiting faculty, and graduate students to present their research.	1	1	1		
SOM Cellular Biology & Anatomy	ANAT	9020	Seminar in Cell Bio/Anatomy		1	1	1		
SOM Cellular Biology & Anatomy	ANAT	9210	Investigation of a Problem	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. Prerequisite: Admission in a	1	1	0	0	0



in action. Prerequisite: Admission in a graduate program.

SOM Cellular Biology & Anatomy	ANAT	9300	Research	The student works closely with his 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. Prerequisite: Permanent assignment to a specific lab with a faculty advisor and a defined research project.	1	1	0	17
SOM Cellular Biology & Anatomy	ANAT	5002	RSCH Elective in Anatomy	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.	7	7		
SOM Cellular Biology & Anatomy	ANAT	5004	Teaching Skills Elective	To provide an anatomy teaching opportunity for senior medical students who are interested in anatomy, anatomically intensive fields of medicine, and/or academic medicine.	7	7	2	16
SOM Cellular Biology & Anatomy	ANAT	5085	Essentials of Education	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.	1	1	1	1
SOM Cellular Biology & Anatomy	ANAT	6500	Musculoskeletal		4	4	3	9

Anatomy			Anatomy						
SOM Cellular Biology & Anatomy	ANAT	7040	Graduate Neuroanatomy	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.	4	4	6	6	
SOM Cellular Biology & Anatomy	ANAT	8010	Special Topics in Anatomy	Discussion and analysis of current research areas.	1	1	0	0	
SOM Cellular Biology & Anatomy	ANAT	8020	Intro to Research	Discussion and analysis of current research areas.	2	2	2	0	0
SOM Dermatology	DERM	5001	Dermatology	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 housestaff. Prerequisite: None	7	7	10		40
SOM Dermatology	DERM	5002	Off Campus Dermatology	Off campus electives may be arranged, with prior approval of the faculty. Prerequisite: MED 5001	7	7			40
SOM Dermatology	DERM	5003	Advanced Dermatology	This elective is for students who plan to enter into dermatology residency training.	7	7	10		40

Prerequisites: MED 5001

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SOM Dermatology	DERM	5004	Derm Sur- Cutaneous Oncol	A one month clerkship experience in dermatologic surgery clinics (including Mohs Micrographis Surgery and Laser Surgery). A set of required reading in cutaneous oncology will be provided. Students will participate in all dermatology teaching conferences. The student will gain histologic experience in cutaneous tumors through participating in the Mohs surgery clinics. Supervision will be provided by our Director of Dermatologic Surgery, Dr. Christopher Peterson. Prerequisites: MED 5001	7	7			
SOM Emergency Medicine	EMED	5001	Emergency Medicine Clkship	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. Sites are subject to change. Students will be assigned to the sites on a "first come" basis. Housing is provided at very remote sites. More information can be obtained by contacting Melissa Powell in the Department of Emergency Medicine, MCG Ext. 4412. Prerequisite: Core Curriculum	10	10			40

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SOM Emergency Medicine	EMED	5003	Ped ER at MCG	This elective will expose the student to the wide variety of pediatric illnesses and injuries, which present to the Emergency Department. The student will assume progressive responsibility in the management of trauma, major and minor medical illnesses, and minor surgical procedures. Students will work directly with the Pediatric Emergency Medicine Attending or the Emergency Medicine Attending. There is an open book exam and small project due at the end of each rotation. Prerequisite: Core Curriculum	7	7	2	40
SOM Emergency Medicine	EMED	5004	Resch in Emer Medicine	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. Prerequisite: Approval by faculty member with whom research will be done	7	7		
SOM Emergency Medicine	EMED	5005	Emergency Medicine Clkshp	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.	7	7		40

Prerequisite: EMED 5001 or EMED 5002

SOM Emergency Medicine	EMED	5007	International & Travel Med	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. Prerequisite: Successful completion of third year of medical school	7	7	2	2
SOM Emergency Medicine	EMED	5008	Emergency Ultrasound	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; Prerequisite:s EMED 5001	7	7	11	28
SOM Emergency Medicine	EMED	5012	Emergency Medicine Clkshp	Student will attain an overview of the specialty of Emergency Medicine and gain insight into the assessment and management of emergent patients. Prerequisites: Core Curriculum	10	10		40
SOM Emergency Medicine	EMED	5085	Freshman Emergency Medicine	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. Prerequisite: None	1	1		10
SOM Emergency Medicine	EMED	5086	Intro to Wilderness Med	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 arouop interest and	1	1	1	

covered can be tailored to group interest and experience. Prerequisite: None

SOM Emergency Medicine	EMED	5087	Basic Emergency Response	Course description: Students will develop knowledge and skills required for emergency reponse in pre-clinical settings. Upon completion students will understand their role in basic emergency response, be able to assess emergency situations and victims, and perform basic skills to help stabilize a trauma or medical patient in the field. Prerequisites: None	1	1	2		
SOM Emergency Medicine	FMPC	5006	Geriat Ptnt-Nsg Home	To expose the student to the wide variety of medical,social, psychiatric and institutionally related problems in the geriatric patient confined to a nursing facility commonly encountered by the primary care physician. Prerequisites: FMP 5000 or MED 5000	4	4			40
SOM Family Medicine	FMPC	5000	Basic Clkshp Family Med	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 the following Georgia Family Medicine Residency Programs: Medical College of Georgia and TriCounty Satellite Clinics Prerequisite: Successful completion of Phase I and Phase II	15	15	3		
SOM Family Medicine	FMPC	5001	FMP Residency Externship	To help the student develop the skills necessary to function as a successful extern in the inpatient and ambulatory setting of family medicine. Prerequisite: Completion of Core Curriculum	10	10	7	11	50

Core Curriculum

SOM Family Medicine	FMPC	5003	Preceptorship- Family Prac	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.) Prerequisite: FMP5000 or MED5000	10	10	5	50
SOM Family Medicine	FMPC	5004	Clin-Research Elect FMP	Students wanting to pursue special educational electives with Family Medicine Preceptors, Residencies or Faculty can make arrangements for this unique experience through the department of Family Medicine. These experiences could include: patient care, research, special projects involving Psychosocial aspects of Medicine, drug dependency, family therapy, and other issues related to the provisions of health care to entire families. (Participation in this elective must be arranged through and approved by the Department of Family Medicine, Medical College of Georgia; contact Medical Student Curriculum Coordinator, ext. 4075.) Prerequisite: None	7	7	1	50

SOM Family Medicine	FMPC	5007	FMP Resid Extern-FMC Rome	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 health care will be emphasized. In addition to the clinical exposure, the student will also participate in daily group and individual teaching sessions. Prerequisite: Completion of Core Curriculum	10	10	5	50
SOM Family Medicine	FMPC	5008	FMP Med Cen Columbus	The student will develop the skills necessary to function as a successful extern in the inpatient and ambulatory setting of family medicine. Prerequisite:Core Curriculum	10	10	5	50
SOM Family Medicine	FMPC	5009	FMP Resid Extern Sav Ga	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 health care. Prerequisite: Core Curriculum	10	10	5	50
SOM Family Medicine	FMPC	5010	FMP Rural Med - Warrenton	This elective is rural Family Medicine and is provided through the TriCounty Health System, Inc. in Warrenton, Crawfordville and Gibson, Georgia, which serves as a rural teaching site for the Family Practice Residency Program at the Medical College of Georgia. The student has supervised expoosure to a population of patients with	10	10	5	50



exposure to a population of patients with undifferentiated health problems and actively participates in the evaluation and management of these problems. The student becomes familiar with the uniqueness of rural health care practice and establishes an appreciation for frequently encountered problems both acute and chronic. The student also has daily group and individual teaching sessions. (Participation in this elective must be arranged through and approved by the Department of Family Medicine, Medical College of Georgia; contact Medical Student Curriculum Coordinator, ext. 4075.)  
Prerequisite: Core Curriculum

SOM Family Medicine	FMPC	5011	Subinternshp- Inpatient Fm	This elective is provided through the Family Medicine Inpatient Service of the Department of Family Medicine, Medical College of Georgia. This service provides the student with an in-depth exposure to the broad range of medical problems confronting the Family Physician in a hospital environment. The student assumes the primary medical care responsibilities for patients on the service and is supervised by Family Medicine Faculty and Senior Family Medicine residents. The student participates in all phases of patient evaluation from admission to discharge planning. Further information regarding this elective may be obtained from Julie Hendrich, M.D., Department of Family Medicine, 721-4674. (Participation in this elective must be arranged and approved by the Department of Family Medicine, Medical College of Georgia; contact Student Curriculum Coordinator, ext. 4075). Prerequisite: FMP 5000	10	10	7	50
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SOM Family Medicine	FMPC	5012	FMP and Fam Ther Columbus	To help the student increase their knowledge of family systems theory and to gain skill in its application in the practice of Family Medicine. Prerequisites: Completion of Core Rotations	7	7		
SOM Family Medicine	FMPC	5013	FMP Residency Externship	The elective at the Southwest Georgia Family Practice Program at Phoebe Putney Memorial Hospital in Albany, 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 health care. Prerequisite: FMP 5000, MED 5000, PSY 5000, OBG 5000, PED 5000	10	10	5	50
SOM Family Medicine	FMPC	5014	FMP Residency Externship	This elective with the Family Practice Residency Program of Georgia Baptist Medical Center is located in Morrow, Georgia (17 miles south of the hospital). It provides the student with clinical experience in both ambulatory and inpatient settings of Family Practice. A special emphasis of our rotation is the incorporation of the principles of Community Oriented Primary Care in the curriculum. Longitudinal ambulatory care is stressed during the rotation. The student will also participate in all lectures and in individual teaching sessions. Prerequisite: FMP 5000, MED 5000, PSY 5000, OBG 5000, PED 5000	10	10	5	50
SOM Family Medicine	FMPC	5015	Private Care Sports Medicine	The primary care sport medicine elective is a clinical rotation for students interested in sports medicine. Through this rotation the	7	7	5	50

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.) Prerequisite: None

SOM Family Medicine	FMPC	5016	FMP Res Exter Waycross GA	This elective with the residency program of the 7 Satilla Regional Medical Center is located in Waycross and Blackshear, Georgia. It provides the student with clinical experience in both ambulatory and inpatient settings of Family Practice and will emphasize continuity of care. Community involvement will also be stressed. The student will participate in daily group and individual teaching sessions Prerequisite: FMP 5000, MED 5000, PSY 5000, OBG 5000, PED 5000	7	1	50
SOM Family Medicine	FMPC	5018	Sal Army Homeless Clin	To provide the student with an understanding of the problems facing the homeless population and their health care. Prerequisites: None	7	7	30
SOM Family Medicine	FMPC	5019	Procedures in	This is a clinical elective offered in the	7	7	30

Family Med

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. Contact the Medical Student Coordinator, ext 1-407 Prerequisite: Successful completion of Core Rotations

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SOM Family Medicine	F MPC	5020	SW Georgia Sports Med	This rotation is designed to provide the student with an introduction to the field of primary care sports medicine. Activities will 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 will be opportunities for the student to participate in local high school and college event coverage. The student will 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. Objective of the course: 1. To introduce the student to the field of primary sports medicine. 2. To provide the student a	7	7	4	40
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clinical experience in Sports Medicine. 3. To provide the student with an appreciation of the broad scope of problems commonly managed I

SOM Family Medicine	FMPC	5021	Health Disp in Fam Med	To increase student comprehension of health disparities and to improve their skills in reduction of health disparities. At the end of this elective, students will be able to address patient/physician/system roles in development of disparities; be proficient in two behavioral health interventions and have working knowledge of several patient coping strategies; have an increased understanding of health disparities, their causes, and how a variety of factors influence the health of the underserved and minority populations. Students will attend lecture/seminar sessions; provide services in underserved communities; complete an educational portfolio; develop and deliver patient education modules; co-facilitate communication labs and complete an independent study project on a challenging communication issue; and become proficient in two behavioral health interventions. Faculty evaluation of student's performance on educational modules, professionalism, quality of independent study project, proficiency in behavioral health interventions, interpersonal and communication skills, quality of educationa	7	7	2	20
SOM Family Medicine	FMPC	5085	Salvation Army Hom Clinic	The students will gain experience in taking vital signs and gathering subjective information from patients. Guided by junior and senior and attending and resident physicians, the students will also gain	1	1		

physicians, the students will also gain experience in the area of physical examination of patients, formulation of a diagnosis and in planning a course of action for the patients. Students will also gain experience in coordinating the clinic which would include preparing charts, controlling patient flow as well as running the pharmacy aspect of the clinic by filling prescriptions and recording information about types and amounts of the pharmaceuticals that are used. Students will also be responsible for compiling monthly reports concerning the numbers of patients seen and volunteers participating in clinic. Prerequisites: none

SOM Family Medicine	FMPC	5098	FMP Preceptorship	<p>This elective is offered to freshman students who are in their second semester of medical school as an opportunity to shadow a family physician in the day-to-day activities of a private practice of family medicine. The student may choose from a large list of community preceptors located in various sites across the State of Georgia who have agreed to assist in medical student education. This elective provides the student with a supervised teaching 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. Students enrolled in the preceptorship program must maintain a log of all patient care activities that they experience; including all procedures and major diagnosis. Students will be given the opportunity to expand their skills in doctor-patient communication and physical diagnosis in this clinical setting with direct</p>	1	1	4	40
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supervision from their preceptors. Prerequisite:

SOM Family Medicine	FMPC	5999	Basic Clerk Remediation in FMP	Remediation of the Basic Core Clerkship in Family Medicine	1	1		
SOM Family Medicine	RFAP	5000	Family Practice		27	27	10	20
SOM Interdisciplinary	MEDI	5002	Clinical Off-Campus Rotation	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.	1	1		
SOM Interdisciplinary	MEDI	5004	Independent Study	Independent Study with approval of the SOM Curriculum Office	1	1		
SOM Interdisciplinary	MEDI	5006	Independent Study	Independent Study with approval of the SOM Curriculum Office	1	1		
SOM Interdisciplinary	MEDI	5010	USMLE Prep Elective	To help students develop the necessary fund of knowledge of the basic sciences to be successful on USMLE Step 1 Prerequisite: None	1	1		
SOM Interdisciplinary	MEDI	5085	Global Health Awareness	This course aims to emphasize the importance of global health awareness, promoting understanding health care and the influence of social, political and economic factors. The course will demonstrate why and how the study of international health and experiences abroad are important to health care in the US. Emphasis will be placed on the importance of the ability to work in a cross-cultural setting both internationally and domestically.	1	1	2	
SOM Interdisciplinary	MEDI	5098	Med Off-Campus Preceptor	This elective is offered to provide the student with experience in an off-campus setting. The student will make arrangements to accompany a mentor or preceptor in his/her office and/or hospital functions during the period of the elective. Prerequisite: None	1	1		

elective. Prerequisite: None

SOM Interdisciplinary	MEDI	5099	Off-Campus Research Elect	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. Prerequisite: None	7	7			
SOM Interdisciplinary	MEDI	5100	Essen of Clinical Med 1 P1	The Essentials of Clinical Medicine is a four-semester program designed to equip students with the skills necessary to perform successfully in the Phase III clerkships. The course 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.	10	10	2	2	3
SOM Interdisciplinary	MEDI	5101	Essen of Clinical Med 1 P2	The Essentials of Clinical Medicine is a four-semester program designed to equip students with the skills necessary to perform successfully in the Phase III clerkships. The course 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	13	13	2	2	5



evaluation of student performance.

SOM Interdisciplinary	MEDI	5125	Cellular & Systems Struct	The Cellular and Systems Structures Module has been designed to integrate the basic discipline of Development, Gross Anatomy and Histology. This body of knowledge will emphasize the structure-function relationships at the tissue, organ, and systemic levels of the human body. As such, the Module provides a foundation for understanding normal Physiology and Pathology (MEDI 5215-5255), where altered structure and function of diseased cells, tissues and organs are studied.	24	24	9	7
SOM Interdisciplinary	MEDI	5135	Cell & System Processes	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. Prerequisite: None	0	0	15	1
SOM Interdisciplinary	MEDI	5145	Brain & Behavior	The Brain and Behavior Module will provide students with a comprehensive survey of the structure and function of the nervous system and extend the studies begun in the Cellular and Systems Structures Module. The module will also introduce students to clinical neuroscience by demonstrating the link between disease process and altered human behavior. Finally, students will become familiar with treatment options for mental	8	8	14	2

health disorders at the pharmacological and behavioral intervention levels. Prerequisites: None

SOM Interdisciplinary	MEDI	5200	Essen of Clinical Med 2 Part 1	Course description: 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.	10	10	5	2
SOM Interdisciplinary	MEDI	5201	Essen of Clinical Med 2 Part 2	Course description: 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.	13	13	5	4
SOM Interdisciplinary	MEDI	5210	Cell & Sys Dis State-Mod 1	Course description: The Cellular and Systems Disease States Module is a year long series of systems-based modules that is a microcosm	10	10	20	2

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.

SOM Interdisciplinary	MEDI	5220	Cell & Sys Dis State- Mod 2	Course description: 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.	7	7	20	3
SOM Interdisciplinary	MEDI	5230	Cell & Sys Dis State- Mod 3	The Cellular and Systems Disease States Module is a year long series of systems-based	6	6	20	2

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.

SOM Interdisciplinary	MEDI	5235	Cell & Sys Dis State- Mod3	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.	7	7	12	1
SOM Interdisciplinary	MEDI	5240	Cell & Sys Dis State-	The Cellular and Systems Disease States	8	8	20	2

Mod 4

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.

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SOM Interdisciplinary	MEDI	5245	Cell & Sys Dis State- Mod 4	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. Prerequisites: Phase I	5	5	12	1
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SOM Interdisciplinary	MEDI	5250	Cell& Sys Dis State- Mod 5	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.	8	8	1	
SOM Interdisciplinary	MEDI	5255	Cell & Sys Dis State- Mod5	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. Prerequisites: Phase I	4	4	1	1

SOM Interdisciplinary	MEDI	5296	National Board Review Part 1	A systematic review for the USMLE Step I examination	0	0
SOM Interdisciplinary	MEDI	5297	National Board Review Part 2	A systematic review for the USMLE Step I examination	0	0
SOM Interdisciplinary	MEDR	5100	Essen of Clini Med 1 Prt 1 Rem	This is the remediation fo Essentials of Clinical Medicine 1 (Part 1)	1	1
SOM Interdisciplinary	MEDR	5101	Essen of Clini Med 1 Prt 2 Rem	This is the remediation fo Essentials of Clinical Medicine 1 (Part 2)	1	1
SOM Interdisciplinary	MEDR	5125	Cell and System Struct Remedia	This is the remediation of Cell and Systems Structures.	1	1
SOM Interdisciplinary	MEDR	5126	Cell and Syst Stru Rem of Anat	This is the remediation of Cell and Systems Structures Component in Anatomy	1	1
SOM Interdisciplinary	MEDR	5127	Cell and Syst Stru Rem of Dev	This is the remediation of Cell and Systems Structures Component in Development	1	1
SOM Interdisciplinary	MEDR	5128	Cell and Syst Stru Rem of Hist	This is the remediation of Cell and Systems Structures Component in Histology	1	1
SOM Interdisciplinary	MEDR	5135	Cell and Systems Structur Reme	This is the remediation of Cell and System Processes	1	1
SOM Interdisciplinary	MEDR	5136	Cell and Syst Proc Reme of Bio	This is the remediation of Cell and System Processes component in Biochemistry	1	1
SOM Interdisciplinary	MEDR	5137	Cell and Syst Proc Reme of Phy	This is the remediation of Cell and System Processes component in Physiology.	1	1
SOM Interdisciplinary	MEDR	5145	Brain and Behavior Remediation	This is the remediation of Brain and Behavior	1	1
SOM Interdisciplinary	MEDR	5146	Brain and Behav Remedia of Psy	This is the remediation of the Brain and Behavior component in Psychiatry.	1	1
SOM Interdisciplinary	MEDR	5147	Brain and Behavior Remedia Neuro	This is the remediation of the Brain and Behavior component in Neuroscience.	1	1
SOM Interdisciplinary	MEDR	5200	Essentials of CM 2 (Part1) Rem	This is the remediation of the Essentials of Clinical Medicine 2 (Part 1)	1	1

SOM Interdisciplinary	MEDR	5201	Essentials of CM 2 (Part2) Rem	This is the remediation of the Essentials of Clinical Medicine 2 (Part 2)	1	1		
SOM Interdisciplinary	MEDR	5210	Cell and Sys Dis St: Mod 1 Rem	This is the remediation of Cellular and Systems Disease States Module 1 of Fundamentals	1	1		
SOM Interdisciplinary	MEDR	5220	Cell and Sys Dis St: Mod 2 Rem	This is the remediation of Cellular and Systems Disease States Module 2 of Hematology/GI	1	1		
SOM Interdisciplinary	MEDR	5230	Cell and Sys Dis St: Mod 3 Rem	This is the remediation Cellular and Systems Disease States Module 3 of Musculoskeletal and Central Nervous Systems	1	1		
SOM Interdisciplinary	MEDR	5240	Cell and Sys Dis St: Mod 4 Rem	This is the remediation Cellular and Systems Disease States Module 4 of the Cardiopulmonary System	1	1		
SOM Interdisciplinary	MEDR	5250	Cell and Sys Dis St: Mod 5 Rem	This is the remediation Cellular and Systems Disease States Module 5 of Renal/GU/Endocrine Systems	1	1		
SOM Interdisciplinary	MEDR	5251	Cell and Syst Dis St Reme CM	This is the remediation of the Cellular and Systems Disease States component in Clinical Medicine	1	1		
SOM Interdisciplinary	MEDR	5252	Cell and Syst Dis St Reme Micro	Cellular and Systems Disease States Remediation in Microbiology	1	1		
SOM Interdisciplinary	MEDR	5253	Cell and Syst Dis St Reme Pharm	This is the remediation of the Cellular and Systems Disease States component in Pharmacology	1	1		
SOM Interdisciplinary	MEDR	5254	Cell and Syst Dis St Reme Path	This is the remediation of the Cellular and Systems Disease States component in Pathology	1	1		
SOM Medicine - General	GMED	5000	Basic Clkshp Med Pt 1	This 4 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 health care team. Bedside clinical skills, patient presentations, write-ups, logical approach to diagnostic decision making, as well as accumulation and synthesis of medical knowledge are	10	10	3	8



emphasized. Every effort is made for all students to spend 8 weeks on inpatient services (at least one month on a general medicine service) and one month (if possible) in the ambulatory setting. Prerequisite: Phase 1 and Phase 2

SOM Medicine - General	GMED	5008	Subs Intern VA Hosp	Students in this elective function as acting interns on the general medicine services at the Veterans Administration Hospital. The student will alternate patients with the intern in the initial workup treatment and care of these patients. The student will be closely supervised by the resident and faculty physician attending on the service. The acting intern will be responsible for planning and instituting the diagnostic workup and therapeutic program for his patients. In addition, he/she will assist in the teaching of junior medical students assigned to his service. The acting intern's on call schedule will be identical to that of the ward team. Prerequisite: GMED 5000 and GMED 5100	10	10	10	40
SOM Medicine - General	GMED	5009	Subs Intern Eisen	Identifying sick versus well patients. Developing patient interviewing and factfinding skills. Learning the pathophysiology of multiorgan diseases. Treating and managing internal medicine patients. Prerequisites: MED 5000	10	10	10	40
SOM Medicine - General	GMED	5010	Rheumatology	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. Prerequisite: None	7	10		40
SOM Medicine - General	GMED	5011	Acting Internship-	Students taking the acting internship at MCG	10	10	10	

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 will be expected to attend all conferences the interns attend. The acting intern will complete the initial work up and determine the treatment plan in conjunction with the resident. The acting intern will function as the primary care physician for his/her patients but will be closely supervised in all activities by the resident and attending faculty physician. The acting interns on call schedule will be identical to that of the ward team. Prerequisite: MED 5000

SOM Medicine - General	GMED	5012	Hematology	Objective: This elective is designed to provide 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) will be emphasized. Two half-day clinics each week are arranged to emphasize the diagnosis and therapy of common hematologic and oncologic disorders. Prerequisite: MED 5000	7	7	5	30
SOM Medicine - General	GMED	5013	Renal Transplant	Offer overview of inpatient and outpatient physical medicine and rehabilitation. Prerequisites: MED 5000, SUR 5000	7	7		
SOM Medicine - General	GMED	5014	Rehab Med-Waltn Rehab Hos	Objectives of the elective will be to learn general principles of rehabilitation medicine in the hospital setting, in addition to participation in a multidisciplinary approach to treatment of patients undergoing rehabilitation. The student will have some clinical responsibility for	7	7	10	30

will 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.  
Prerequisite: MED 5000

SOM Medicine - General	GMED	5015	Clin Cardiology-Sav	Students will participate in daily ECG instruction as well as cardiovascular evaluation of all service consultations and daily rounds, including rounds on private patients when appropriate. Prerequisites: MED 5000	7	7	10	30
SOM Medicine - General	GMED	5016	Nephrology	Experience in clinical nephrology through participation in inpatient consultations, teaching conferences, and once weekly general nephrology outpatient clinic. Prerequisite: MED 5000	7	7	10	
SOM Medicine - General	GMED	5017	Cardiology Consult at MCG	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 in-patients. 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	7	7	10	30

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

SOM Medicine - General	GMED	5018	Cardiology Consult Serv	The emphasis of this rotation is on consultative cardiology and electrocardiographic interpretation. The student will work closely with the cardiology attending and the cardiology fellow. The major clinical emphasis is on physical diagnosis and differential diagnosis of various cardiovascular diseases. The student will read a considerable number of electrocardiograms. Students will be familiarized with the indications, usefulness and limitations of special procedures such as echocardiography, stress testing, nuclear cardiology and cardiac catheterization. The student will attend all weekly conferences of the Department of Critical Care. Prerequisite: MED 5000	7	7	2	
SOM Medicine - General	GMED	5019	Cardiology Eisen	This course is designed to provide basic knowledge in the problems of heart disease and its complications. Students will participate in the care of patients in the Intensive Care Unit as well as on medical wards and outpatient service. They will also spend time understanding and reading electrocardiograms, phonocardiograms, echocardiograms (M mode and 2D), and Graded exercise tests (GXT). Prerequisite: MED 5000	7	7	15	25

SOM Medicine - General	GMED	5020	Cardiology-Va Act Intrnsh	To learn the management principals of a patient admitted with CardioVascular disease. Prerequisites: MED 5000	7	7	10	40
SOM Medicine - General	GMED	5021	Gastroenterology	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. Prerequisite: MED 5000	7	7	10	30
SOM Medicine - General	GMED	5023	Pulmonary Diseases- MCG	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. Prerequisite: MED 5000	7	7	10	30
SOM Medicine - General	GMED	5024	Infectious Disease- Ft	Provide senior medical students with a patient-based, problem-oriented exposure to general infectious diseases and HIV. The DDEAMC outpatient ID clinic has a robust HIV population with varying stages of disease. The inpatient service receives referral patients from the entire Southeast region. Prerequisites: MED 5000	7	7	10	30
SOM Medicine - General	GMED	5025	Infectious Disease- MCG	This clinical consultation service provides experience in the diagnosis and management of patients with infections, interpretation of	7	7	10	20

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. Prerequisite: MED 5000

SOM Medicine - General	GMED	5026	Clin Care Med (VA ICU)	A primary care elective where the student can expect patient care teaching in all aspects of Critical Care. Especially valuable to those interested in Surgery, Anesthesia or Medicine. Work with a critical Care Team: Intern, Resident, Fellow, Staff Prerequisite: MED 5000	7	7	20
SOM Medicine - General	GMED	5027	Off-Campus Elect	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. Prerequisite: MED 5000	7	7	
SOM Medicine - General	GMED	5028	Resch Elect Med	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. Prerequisite: Approval by Faculty Member with whom	7	7	5

research will be done

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SOM Medicine - General	GMED	5029	Acting Internship- MMC-Sav	Students will essentially function at a ?subintern? level. He/she will be responsible for case presentations attendings, workup and care of patients while under the supervision of an upper level resident. This will give students the opportunity to become intimately involved in the decision process and care of his/her patients. Call will be taken with the assigned team, which is every fourth day. Didactic teaching and rounds will be conducted by fulltime faculty and practicing physicians. Prerequisites: MED 5000	10	10	5
SOM Medicine - General	GMED	5030	Adv Internship- Atlanta Med Ctr	Students will essentially function at a ?subintern? level. He/she will be responsible for case presentations attendings, workup and care of patients while under the supervision of an upper level resident. This will give students the opportunity to become intimately involved in the decision process and care of his/her patients. Call will be taken with the assigned team, which is every fourth day. Didactic teaching and rounds will be conducted by fulltime faculty and practicing physicians. Prerequisite: MED 5000	10	10	10
SOM Medicine - General	GMED	5031	Infectious Disease- UH	The student(s) will spend four weeks working one on one with a Clinical Infectious Disease attending at the University Hospital. Duties include in-house consults as well as participating in the care of office patients. Additionally, the student attends the Wednesday University ID clinic and sees consults for the staff service. Didactic instruction is provided daily. The student	7	7	30

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attends the Friday ID conference and other conferences as appropriate. Prerequisites: MED 5000C

SOM Medicine - General	GMED	5032	Infectious Disease-VA	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. Prerequisites: MED 5000C	7	7		
SOM Medicine - General	GMED	5033	Pulmonary Medicine	Consult service elective featuring the availability of the full gamut of pulmonary diagnostic techniques; emphasis on pathophysiology and its application to patient care. Prerequisite: Pulmonary Medicine Consult at VAMC	7	7	1	27
SOM Medicine - General	GMED	5034	Pulm-Med Critical Care	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. Prerequisite: MED 5000	10	10	10	40
SOM Medicine - General	GMED	5035	Clin Endocrinology (Med)	This elective is by arrangement only with the Medical Student Coordinator by calling Kim Hahn at 912/350-8076. After signing up for this elective, drops must be cleared by the Medical Student Coordinator in Savannah. Students will have exposure to Clinical Endocrinology and Diabetes Mellitus both in a hospital setting as well as private practice.	7	7		



hospital setting as well as private practice. Inpatient consultations and ambulatory clinics at Memorial Medical Center are the primary activities of the elective. In addition, students will also be involved in the evaluation and follow-up of patients in the private office setting. Prerequisites: MED 5000

SOM Medicine - General	GMED	5037	Gastroenterology-EAMC	The student is expected to participate in all aspects of the Gastroenterology service, including inpatient and outpatient consultations, and to observe GI procedures (such as gastroscopy, colonoscopy, laparoscopy). The student will be taught proctoscopy in the weekly proctoscopy clinic. Basic GI physiology and pathophysiology will be stressed. The number of patients seen will be limited and the student will be expected to provide references appropriate for each case he/she evaluates. A reading syllabus covering basic GI physiology and disease will be provided. The student will be expected to give a 15 minute seminar once a week on the topic of his/her choice (covering an area of basic GI physiology). The student is expected to attend GI Journal Club and GI Pathology conferences Thursday afternoon at the Medical College of Georgia. Prerequisite: MED 5000	7	7	10
SOM Medicine - General	GMED	5039	Clinical Endocrinology	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	7	7	

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. Prerequisite: GMED 5000

SOM Medicine - General	GMED	5040	Cardiology	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 Prerequisites: MED 5000	7	7	5	40
SOM Medicine - General	GMED	5042	Nephrology Service-EAMCS	The student will participate in rounds, conferences, clinics and ward work. The staff of the Nephrology Clinic will serve as faculty for this course. Inpatient and outpatient consultations will be performed. (Dr. Maxwell Williams) Prerequisite: MED 5000	7	7	10	40
SOM Medicine - General	GMED	5045	Ambul-Consult Intern Med	The student will participate in all aspects of General Internal Medicine to include outpatient consultations and procedures. The number of patients will be limited and the student will be expected to provide references	7	7		

student will be expected to provide references appropriate for each case he/she evaluates. The student will be expected to attend all internal medicine conferences.

SOM Medicine - General	GMED	5046	Endocrinology Service-E	The student will participate in rounds, conferences,clinics and ward work. The staff of the Endocrinology Clinic will serve as faculty for this course. Inpatient and outpatient consultations will be performed.	7	7	10	
SOM Medicine - General	GMED	5049	Med Intensive Care EAMC	To develop familiarity with the care of critically ill medical patients in a multi-disciplinary environment using a comprehensive systems-based approach. Prerequisites: MED 5000	10	10	5	40
SOM Medicine - General	GMED	5050	Inpatient Cardiology-Ga	This rotation is an acting internship and will concentrate on the inpatient rotation with the initial workup and management of cardiology patients from the emergency room as well as through consultation. The student will follow the patient through any inpatient testing including exercise stress testing, echocardiogram or cardiac catheterization. the rotation will include both intensive care as well as telemetry and ward patients. This rotation will require weekend rounding and every fourth night on-call responsibilities in conjunction with the rounding team. participation in the Morning Report and medicine conferences throughout the week will be required. Prerequisite: MED 5000	7	7	15	40
SOM Medicine - General	GMED	5053	Gastroenterology-MMC Sav	Students rotating through this elective will actively participate in both in-office and in-hospital consultation, and will be encouraged to observe gastrointestinal endoscopic procedures (upper GI endoscopy, flexible	7	7		

procedure (upper GI endoscopy, flexible sigmoidoscopy, colonoscopy and ERCP)  
Prerequisite: MED 5000

SOM Medicine - General	GMED	5056	Epidemiology-Atlanta	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. Prerequisite: MED 5000	7	7	10	40
SOM Medicine - General	GMED	5057	Geriatric Medicine-Sav	Students will participate in daily discussion of all geriatric admissions and work rounds. The students will also participate in geriatric clinics to work up a variety of geriatric syndromes including falls, incontinence, dementia, syncope, failure to thrive, sensory impairment, and cardiovascular disease in the elderly. Prerequisite: MED 5000	7	7		
SOM Medicine - General	GMED	5060	Telemedicine	Students shall gain a basic understanding of	7	7		40

			Technology	the value of medical informatics and telehealth technologies in the current practice of medicine and the potential for improving health care practice and efficiency as well as reducing medical errors. Prerequisites: MED 5000			
SOM Medicine - General	GMED	5062	LSU Ambulatory	Gain knowledge and experience in Emergency Care and demonstrate understanding, pathophysiology and treatment of common medical emergencies such as Myocardial infarction, CVA, and DKA.	7	7	
SOM Medicine - General	GMED	5063	Outpatient Card-Atlanta	This elective will allow the senior student to participate in a busy cardiology practice in the outpatient setting. The student will be involved in the evaluation of new patients and consultations, in terms of physical examinations and discussion of acceptable methods of diagnosis and treatment. Cardiovascular risk assessment, diagnosis and treatment are emphasized. Hyperlipidemia management and women and heart disease are also a special focus. The student will be involved daily with treadmill exercise testing including nuclear stress testing and stress echocardiography. Echocardiograms, EKGs, Holter monitoring, and Event recordings are reviewed daily. The student will have exposure to Electron Beam CT for the diagnosis of CAD. Prerequisite: None	7	7	40
SOM Medicine - General	GMED	5069	Pulm-Med CC Selec Atl Med	This elective provides an intensive experience in critical care medicine. Under the supervision of the critical care attending physician, students will evaluate and manage critically ill patients. Students will have the opportunity to gain experience with mechanical ventilator management	10	10	40

mechanical ventilator management, hemodynamic monitoring, and other critical care interventions. Prerequisite: MED5000

SOM Medicine - General	GMED	5070	Pul-CC ini S Ga	Under the direction of a pulmonologist Dr. Fred Rosenblum, this elective will allow exposure to inpatient critical care and pulmonary medicine as well as outpatient pulmonary management. Dr. Raul Santos, a nephrologist, and Dr. Craig Wolff, a pulmonologist, will also participate. All three have their critical care certification and practice at Archbold Medical Center in Thomasville, Georgia. The elective will offer a broad opportunity to participate directly in patient care, procedures, and didactic sessions with active clinicians. Prerequisite: MED 5000	7	7		40
SOM Medicine - General	GMED	5072	Clinical Skills Elective	To help students develop the skills necessary to be successful on the core clerkships. Objectives: At the end of the elective, students will be able to: obtain a complete and accurate history and physical examination, present a focused and comprehensive evaluation of a patient in a clear and concise manner, document in writing a focused and comprehensive evaluation of a patient in a clear and concise manner, and interpret basic X-rays and electrocardiograms. Activities include: two complete patient evaluations per week, standardized patient feedback session at the end of the second week and two hour case-based conference or small group activity daily. Teaching activities and time allocation per week/elective: lecture hours - none; small group activities - 10 hours; physical diagnosis - 8 hours; standardized patient encounters - 8 hours for the elective. Assessment includes: clinical performance evaluation by faculty to assess the following skills: clinical	7	7	4	8

performance evaluation by faculty to assess the following skills: history and physical examination, case presentation, medical docun

SOM Medicine - General	GMED	5074	Pul/Crit Care w/ Dr. Rosenblum	Allow senior student to manage pulmonary and critical care patients with direct supervision in a one on one setting. Each student presents on a topic in this field at the end of the month also.	10	10	2	40
SOM Medicine - General	GMED	5075	Crit Care Pul Med	The practice consists of patients admitted to the Burn Unit, admission of unassigned medical and critically ill patients from the emergency room, inpatient consultation to MICU and SICU, and management of critically ill patients accepted in transfer from outlying hospitals. All types of acute medical problems are seen in this practice environment. There is an extensive reference list and journal library as well as a textbook library. Prerequisite: MED 5000	10	10	10	40
SOM Medicine - General	GMED	5076	Healthcare Sys Leadership Mgmt	To familiarize the student and engage the student in the interrelationship of the administrative and clinical components of a healthcare system. Prerequisite: Phase I and Phase II	7	7		40
SOM Medicine - General	GMED	5077	Ambulatory Adult Select	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	10	10		40

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. Prerequisite: MED 5000

SOM Medicine - General	GMED	5078	Intro to Rhematic Diseases	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.	7	7	2	40
SOM Medicine - General	GMED	5079	Sub Internship-Off Campus	To further enhance the clinical skills necessary to begin transitioning to residency. Prerequisite: MED 5000 and departmental approval	10	10		
SOM Medicine - General	GMED	5080	Medical Economics	The goal of this elective is to improve learner's knowledge of the economic, business and regulatory issues involved in the practice of clinical medicine in the United States in 2006. The objectives are: (1) Understand the basics of starting and operating a private medical	3	3		35



or starting and operating a private medical practice. (2) Become familiar with the key economic and policy issues affecting the practice of medicine. (3) Learn the principles and processes of quality improvement as they apply to outpatient and inpatient medical practice

SOM Medicine - General	GMED	5081	Comm-Based Nephro Consult Elec	To Experience the practice and principles of a consultative nephrology service with a particular emphasis on ICU nephrology, principles of dialysis, and fluid and electrolyte management. Prerequisites: Medicine Core	7	7		40
SOM Medicine - General	GMED	5085	Women's Hlth-All Physician	This elective is an opportunity to explore issues that directly impact women and their health (both the medical aspects as well as the psychological impact). Examples of topics include contraceptives, abortion, women's rights, midwifery, cancer, AIDS, rape, and autoimmune disorders. Prerequisites: None	1	1	2	
SOM Medicine - General	GMED	5086	Cancer Biology- Treatment	This course discusses our current understanding of the molecular mechanisms involved in the development of a variety of cancers, such as cancer of the breast, colon, lung, ovary, and prostate. Topics include cancer risk factors, the molecular basis of cancer treatment, treatment options, possible improvements of patient outcomes, as well as cancer prevention.	1	1	2	
SOM Medicine - General	GMED	5087	Medical Terms in Spanish	This course is designed to help students develop basic communication skills in Spanish.	1	1	2	
SOM Medicine - General	GMED	5088	Rheumatology clinic	Shadow a clinical Rheumatologist during his	1	1		3

			Experience	clinic. Expose the 1st year student to clinical medicine.					
SOM Medicine - General	GMED	5098	Med Preceptorship	This elective provides students with an opportunity to observe a general internist or subspecialist in the clinical setting. Students will shadow the physician in both the inpatient and outpatient setting.	1	1			
SOM Medicine - General	GMED	5100	Basic Clkshp Med Pt 2	This 4 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 health care 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 8 weeks on inpatient services (at least one month on a general medicine service) and one month (if possible) in the ambulatory setting. Prerequisite: Phase 1 and Phase 2	10	10	3		8
SOM Medicine - General	GMED	5999	Basic Clerk Remediation in Med	Remediation of the Basic Core Clerkship in Medicine	1	1			
SOM Medicine - General	MDPH	5098	MDPHD Summer Research	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.	3	3	0	5	0
SOM Medicine - General	BIOL	1790	Principles of Biology		4	4	6	4	
SOM Medicine - General	SCIE	3100	Scientifi Interp Crit Thinking	This Seminar focuses on the fundatmental concepts of critical thinking, specifically using them to understand, dissect, and evaluate scientific literature. Students will apply the skills learned to novel scientific situations, specifically in the area of health disparities	2	2			4

specifically in the area of health disparities.  
 This Seminar will utilize scientific journal articles, case studies, and group presentations, as well as class and small group discussions.

SOM Medicine - General	RCAR	5000	Cardiology	27	27	5	40	15
SOM Medicine - General	RDER	5000	Dermatology	27	27	6		40
SOM Medicine - General	REMD	5000	Emergency Medicine	27	27	14		40
SOM Medicine - General	RGAS	5000	Gastroenterology and Hepatology	27	27	10		40
SOM Medicine - General	RHOM	5000	Hematology - Oncology	27	27	12		40
SOM Medicine - General	RINF	5000	Infectious Disease	27	27	25		24
SOM Medicine - General	RMED	5000	Medicine	27	27	14		40
SOM Medicine - General	RMEN	5000	Metabolic Endocrine Disease	27	27	10		40
SOM Medicine - General	RNEP	5000	Nephrology	27	27	10	10	40
SOM Medicine - General	RPUL	5000	Pulmonary Disease	27	27	5	7	20
SOM Medicine - General	RRAD	5000	Radiology Diagnostic	27	27	15		48
SOM Medicine - General	RRAD	5001	Radiology Neuroradiology	27	27	7		48
SOM Medicine - General	RRAD	5002	Therapeutic	27	27	10	40	24
SOM Medicine - General	RRHE	5000	Rheumatology	27	27	5		40
SOM Medicine - General	RSUR	5004	Plastic Reconstructive Surgery	27	27	10		40
SOM Medicine - General	RSUR	5005	Thoracic Cardiac	27	27	10		40
SOME Molecular Med Genetics	MOLM	8030	Biological Signaling	3	3	3	0	

Strategies of communication at various levels of biological organization. Covers intracellular communication, communication between cells in multicellular organisms, and interactions between organisms in a group or ecosystem. Focuses on emergent properties of complex

focuses on emergent properties of complex systems. Prerequisite: Completion of 1st year biomedical sciences graduate core curriculum.

SOM Molecular Med Genetics	MOLM	8130	Adv Top Mole & Cell Immun	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. Prerequisite: Completion of 1st year biomedical sciences graduate core curriculum. Also open to medical students with interests in basic immunology.	3	3	3	0	0
SOM Neurology	NEUR	5000	Basic Clkshp in Neurology	This four 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 lesion. The recognition and management of neurological emergencies is included. Prerequisite: Successful completion of Phase II	10	10	8		40
SOM Neurology	NEUR	5001	Act Intrnshp-Adlt Neu MCG	This is a patient care elective. The student will have primary care responsibility for a block of	10	10			40

neurological inpatients. The student will participate in rounds and conferences and will assist with the diagnostic procedures involving his/her patients. The student will be expected to participate in the on-call rotation with other housestaff. Prerequisite: NEUR 5000

SOM Neurology	NEUR	5002	Act Intrnshp-Adlt Neu-VA	This is a patient care elective. The student will have primary care responsibility for a block of neurological inpatients. The student will participate in rounds and conferences and will assist with the diagnostic procedures involving his/her patients. The student will be expected to participate in the on-call rotation with other housestaff. Prerequisite: NEUR 5000	10	10	40
SOM Neurology	NEUR	5003	Consult-Clin-Adlt Neu-MCG	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. Prerequisite: NEUR 5000	7	7	40
SOM Neurology	NEUR	5004	Consult-Clin-Adlt Neu-VA	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. Prerequisite: NEUR 5000	7	7	

SOM Neurology	NEUR	5005	Computer Applicatn- Neuro	<p>This elective allows the student to develop an understanding of computer applications in Medicine and Neurology. The student will use the Neurology Department's computer system, which consists of 60 computers organized in a local area network using the Netware operating system. Such a system represents the forefront of computerized technology. Many projects are available for the student to work on, including the development of patient databases, artificial intelligence, and signal analysis. The student will work on a program under the direction of Dr. Michael Rivner. Programs will be written in C, Basic, Pascal or Fortran. Compilers are available in all of these languages. No prior experience in programming or engineering is necessary. However such experience is highly desirable. If the student does not have experience in programming, programming will be taught during this elective period, mainly by self study. The following projects are currently active: (1) Neurology patient database; (2) Billing systems; (3) EMG signal analysis and spike detection; (5) Stroke patient database; (7</p>	3	3
SOM Neurology	NEUR	5006	Clin-Rsch Elect-Neu MCGH	<p>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.</p>		

SOM Neurology	NEUR	5007	Clin-Rsch in Neurology-VA	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. Prerequisite: NEUR 5000	7	7			
SOM Neurology	NEUR	5008	Clin-Rsch in Neurology OC	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. Prerequisite: NEUR 5000	7	7	10		40
SOM Neurology	NEUR	5009	Acting Intern Child Neu	This is a patient care elective. The student will have primary care responsibility for a block of child neurology patients. The student will participate in rounds and conferences and will assist with the diagnostic procedures involving his/her patients. The student will be expected to participate with the housestaff. Prerequisite: NEUR 5000	10	10	5		20
SOM Neurology	NEUR	5085	Clin Neu Approach Pat-Test	The course will consist of a combination of didactic lectures and clinical experience in the MCG outpatient and inpatient settings	1	1	1	8	15
SOM Neurology	NEUR	5086	Sleep Disorders	The purposes of this course are to	1	1	1	3	

understanding physiology of sleep; provide an overview of sleep disorders in humans; recognize sleep disturbances; and use case studies and review articles relating to sleep disorders.

SOM Neurology	NEUR	5999	Basic Clerk Remed in Neurology	Remediation of the Basic Core Clerkship in Neurology	1	1		
SOM Neurology	RNEU	5000	Neurology		27	27	10	50
SOM Neurology	RNEU	5001	Child Neurology		27	27	10	50
SOM Neurology	RNEU	5002	EEG Neurology		27	27	10	50
SOM Neurology	RNEU	5003	EMG Neurology		27	27	10	50
SOM Neurology	RNEU	5004	Clinical Neurophysiology		27	27	10	50
SOM Neurology	RNEU	5005	Neurology Movement Disorder	Neurology Movement Disorder	27	27	10	50
SOM OB Gynecology	OBN	5000	Basic Clkshp OBG 6 wks	This required basic clerkship of four weeks' duration combines inpatient and outpatient experience in human reproduction and in disorders of the female reproductive system. About half of all students will be at MCG where they will rotate through the subspecialty services. Prerequisite: Successful completion of Phase II	15	15	14	40
SOM OB Gynecology	OBN	5001	Obstetrics-GYN-MED School	This elective is offered by arrangement with various hospitals, or affiliated medical schools in the United States and overseas. The course will be 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 his or her curriculum vitae showing OB/GYN training. Formal evaluation is required. Prerequisite: Satisfactory Completion of OBG 5000	7	7	10	40



SOM OB Gynecology	OBGN	5004	Research-Laboratory at MC	The student will have the opportunity to design original studies or pursue ongoing research projects in either the biochemical or biophysical assessment laboratories. This elective is flexible and can be tailored to the specific interests of the student. Current projects include intrauterine fetal breathing observation, analysis of fetal heart rate patterns, evaluation of fetal lung maturation in various maternal/fetal conditions. Prerequisite: Satisfactory Completion of OBG 5000	7	7	1	
SOM OB Gynecology	OBGN	5005	Maternal Fetal Medicine	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. Prerequisite: OBG 5000	10	10		40
SOM OB Gynecology	OBGN	5006	Reprod End-Genetics	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	7	7	17	50

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 pr

SOM OB Gynecology	OBGN	5007	Gynecologic Oncology	The student will 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 will consist of examining patients, under supervision, who are pretreatment gynecologic oncology patients. He/she will observe the use of colposcopy, cryotherapy, of outpatient cystoscopy and special biopsy procedures involving the female genital tract cancers and their precursors. Prerequisite: OBG 5000	10	10	10	68
SOM OB Gynecology	OBGN	5008	Benign Gynecology	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	10	10	15	50

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. Prerequisites: OBG 5000

SOM OB Gynecology	OBGN	5009	Ob-Gyn Substitute Intnshp	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. Prerequisite: OBG 5000	10	10		
SOM OB Gynecology	OBGN	5011	Mole Studies-Reprod End	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 chance 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. Prerequisites: OBG 5000	7	7	1	50
SOM OB Gynecology	OBGN	5012	Urogynecology Elective	The student will participate in the management of inpatient and outpatient urogynecology patients. The outpatient	10	10	3	35

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. Prerequisite: Satisfactory completion of OBG 5000

SOM OB Gynecology	OBGN	5013	Elective-ObGyn	Allow students to gain a more in-depth knowledge of general OB/GYN by exposure to Ambulatory, Surgical and Obstetrical patients. Rotation is split between obstetrics and general gynecology. Students will have more in-depth exposure to surgical techniques and training in gynecological surgery and participation and management of obstetrical and ambulatory patients in L&D and Sheffield clinic. Performance evaluated by faculty to assess the following skills: patient care, medical knowledge, practice-based learning and improvement, professionalism, interpersonal and communication skills, and system-based learning. Prerequisite: Satisfactory Completion of OBG 5000	10	10	1	16
SOM OB Gynecology	OBGN	5014	MFM Outpatient Elective	Students will be exposed to prenatal diagnosis for high risk obstetrical patients, evaluation and management of patients with high risk	10	10	1	22

obstetrical conditions, "hands-on" ultrasound experience with genetic counseling and other prenatal diagnosis. Prerequisites: Satisfactory Completion of OBGN 5000A

SOM OB Gynecology	OBGN	5085	Real Life Gynecology 1	The elective will be comprised of clinical encounters under the direction of a GYN faculty member as well as didactic content. Clinical encounters will consist of shadowing the GYN physician and participating as a team member. The didactic components are designed to prepare students to address specific clinical situations which are encountered in Women's Health Care. Prerequisite: None	1	1	1	3
SOM OB Gynecology	OBGN	5086	Mind Group Body Experience	Meet to provide training in Mind-Body Medicine, stress reduction and relaxation. Using the techniques developed by James Gordon and the Center for Mind-Body Medicine. Prerequisites: None	1	1	1	
SOM OB Gynecology	OBGN	5098	OB-GYN Summer Preceptorship	The student will attend Grand Round, Benign and C-Section conferences when offered. The student will learn to surgically scrub and will follow patients in the clinic. The student will participate on the GYN service and attend deliveries. Grading System: Satisfactory/Unsatisfactory Prerequisite: None	1	1	2	40
SOM OB Gynecology	OBGN	5099	Off Campus OB-GYN Sum Pre	This elective is offered to provide the student with experience in Obstetrics-Gynecology in an off-campus setting. The student will make arrangements to accompany a preceptor in his/her office and hospital functions during the period of the elective. Prerequisite: None	1	1	2	40
SOM OB Gynecology	OBGN	5999		Remediation of the Basic Core Clerkship in	1	1		

			Basic Clerk Remediation in OBG	Obstetrics/ Gynecology						
SOM Ophthalmology	OPTH	5001	Ophthalmology Clkshp	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. Prerequisite: None	7	7	6			35
SOM Ophthalmology	OPTH	5002	Ophthalmology Rsch Elect	An area of mutual interest to the student and faculty supervisor will be selected and the student will outline his research project with literature references and carry it out under supervision. A written report on the project is required at the end of the elective period. Prerequisite: None	7	7	1	39		5
SOM Ophthalmology	OPTH	5003	Oph Off-Campus Exper	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, neuroophthalmology 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 Chairman or the supervising faculty member in the Department where the	7	7				40

off campus elective is taken. Credit for the course will not be given until all of the above have been satisfactorily completed.  
Prerequisite: None

SOM Ophthalmology	OPTH	5085	Ophthalmology Rsrch Elective	Learn experimental formulation, design, and implementation. Become familiar with standard molecular biology assays. Conduct relevant and worthwhile research in the field of ophthalmology.	1	1	3		
SOM Ophthalmology	ROPH	5000	Ophthalmology		27	27	10	4	45
SOM Pathology	PATH	5002	Univ Hosp Pathology Lab	Electives will be offered in most phases of practice of pathology including surgical pathology, autopsies, hematology, blood banking, chemistry, bacteriology, immunopathology or cytology. Special work will be assigned to the student for background purposes. Can be offered singularly or in combination. Prerequisite: Phase II	7	7			
SOM Pathology	PATH	5003	Sur Pth Spec Elect	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. Prerequisite: Phase II	7	7	10	40	
SOM Pathology	PATH	5005	Transfusion Medicine	Understanding general principles of transfusion therapy and therapeutic apheresis. Blood donation and Hematopoietic Progenitor Cell (HPC) therapy/collection principles.	7	7	10	40	
SOM Pathology	PATH	5007	Cancer Cytogenetics	Cytogenetics is an important part of	7	7		40	

Pathology. It is now well documented that cytogenetic analysis is an independent diagnostic and prognostic indicator in human cancer, particularly leukemia and lymphoma (and a few solid tumors). This program is designed to acquaint the student to cancer cytogenetics and its clinical application in diagnosis and in the management of the cancer patient. Prerequisites: Phase II

SOM Pathology	PATH	5009	Gen Clin Pth Lab	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. Prerequisite: Phase II	7	7	1	
SOM Pathology	PATH	5011	Basic Neuropathology	This is a basic neuropathology course designed only for a student who intends to choose pathology, neurosurgery, neurology, or other neurological science related fields as a subspecialty in his medical career. Prerequisite: Phase II				
SOM Pathology	PATH	5014	Spec Elec-Anat-Clin PTH	There will be 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 will have the opportunity to participate in intra- and inter-	7	7	20	5



the opportunity to participate in intra- and inter-departmental conferences. Prerequisite: Phase II

SOM Pathology	PATH	5016	Anatomic 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. Prerequisite: Phase II Pathology	7	7		
SOM Pathology	PATH	5018	Gastrointestinal Pathology	Goal is to help students develop a basic familiarity with needle biopsies of the liver and endoscopic biopsies of the alimentary tract. Objectives are to obtain knowledge of Gastrointestinal Pathology. Students will participate in routine microscopic sign-out of biopsies and surgical specimens.	7	7		
SOM Pathology	PATH	5019	Clinical Microbiology	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. Prerequisite: A Medical Microbiology Course	3	3		
SOM Pathology	PATH	5023	Basic Cardiovascular Pth	To structurally cover cardiology and vascular diseases, both adult and congenital within context of their specific pathologic manifestations. Prerequisites: Phase II	7	7		
SOM Pathology	PATH	5025	Pathology Research	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	3	3	10	30

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. Prerequisite: Phase II Pathology

SOM Pathology	PATH	5026	Southeast Ga Hlth Sys	Provide students with an opportunity to rotate through a busy pathology department and experience the full array of daily functions undertaken in such a department	7	7	1	10	11
SOM Pathology	PATH	5085	Cancer Cytogenetics	This elective will acquaint the student to cancer cytogenetics and its clinical application in the management of the cancer patient. The student will be exposed to modern cytogenetic techniques, including cell culturing and harvesting procedures for obtaining chromosome slides, performing various chromosome banding techniques, microscopic analysis to identify normal and abnormal chromosomes, photography and computer-assisted karyotyping. Prerequisite: None	1	1		8	
SOM Pathology	RPAT	5000	Pathology		27	27	10	40	
SOM Pathology	RPAT	5001	Pathology Blood Banking		27	27	10	40	
SOM Pharmacology & Toxicology	PHRM	8300	Neuro-pharmacology	Pharmacological principals of drugs that act on the brain and nervous system. Prerequisites: Graduate core course.	4	4	3	0	1
SOM Pharmacology & Toxicology	PHRM	9020	Seminar in Pharmacology	Research presentations by MCG faculty and visiting research scientists.	1	1	1	0	0
SOM Pharmacology &	PHRM	9210	Investigation of a	The student works with individual faculty	1	1	0	40	

Toxicology

Problem

members on a specific investigative research problem. This provides an introduction to analytical techniques and the scientific method in action. Prerequisites: Admission in a graduate program.

SOM Pharmacology & Toxicology	PHRM	9300	Research	The student works closely with his/her 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.	1	1	0	40	0
SOM Pharmacology & Toxicology	PHRM	5003	Tutorial in Pharmacology	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. Prerequisite: Medical Course in Pharmacology	3	3			
SOM Pharmacology & Toxicology	PHRM	5004	RSCH in Pharmacology	Opportunity to participate in research programs being conducted by members of the faculty of the Department of Pharmacology and Toxicology Prerequisite: Approval by faculty member with whom research will be done	4	4			
SOM Pharmacology & Toxicology	PHRM	5011	Toxicology	Expand knowledge and understanding of toxins' actions and their clinical management. Students will participate in discussion and review of several aspects of toxicology including heavy metals, gaseous poisons, industrial and agricultural chemicals, poisonous plants and venoms. Emphasis is on human toxicology and includes selected reports to be presented by enrollees. Prerequisites: Medical Course in	3	3	10		

Pharmacology

SOM Pharmacology & Toxicology	PHRM	5012	Clin Pharmacology-Therap	Better understanding of the actions and clinical uses of important classes or drugs and modes of drug delivery, allow students to reflect on and solve problems encountered with clinical therapeutics. Prerequisites: Medical Course in Pharmacology	2	2	8		
SOM Pharmacology & Toxicology	PHRM	8041	Adv Pharmacological Sciences	Current concepts and trends in pharmacological science and research. Covers all areas of pharmacology. Prerequisites: Completion of SGS Core Curriculum.	4	4	4	0	0
SOM Pharmacology & Toxicology	PHRM	8120	Cardio Physio & Pharm	Evaluation of the actions of drugs on the heart and blood vessels. Prerequisites: Completion of SGS Core Curriculum.	3	3	3	0	0
SOM Pharmacology & Toxicology	PHRM	8130	Modern Drug Discovery	This course is interdisciplinary with an emphasis on current techniques, concepts and trends in drug discovery today. Strategies for deciphering a drug target and for discovering new classes of drugs and therapies will be the main themes of the course. Prerequisites: Completion of SGS Core Curriculum.	3	3	3	0	0
SOM Pharmacology & Toxicology	PHRM	9010	Seminar in Pharmacology	Research presentations by MCG faculty and visiting research scientists.	1	1	1	0	0
SOM Physiology	PSIO	7110	Physiology	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.	6	6	6	0	0
SOM Physiology	PSIO	8003	Applied Neuroscience	Interdisciplinary study of neuroanatomy, neurophysiology, and clinical neuroscience with integrative coverage of nervous function and dysfunction through case-based applications	3	3	2	2	0

application.

SOM Physiology	PSIO	8340	Advanced Study Physiology	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. Prerequisites: Satisfactory completion of the Core Course and First Exam.	1	1	1	0	0
SOM Physiology	PSIO	9010	Seminar in Physiology	Attendance and participation in research presentations by MCG faculty and visiting research scientists. Prerequisites: Admission to a graduate program.	1	1	1	0	0
SOM Physiology	PSIO	9210	Investigation of a Problem	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: Admission to a graduate program.	1	1	0	1	0
SOM Physiology	PSIO	9300	Research	The student works closely with his faculty thesis/dissertation advisor on an in-depth study of a research problem of interest to oth student and advisor. This course culminates in the preparation of a PhD dissertation of MS thesis. Prerequisites: Permanent assignment to a specific lab with a faculty advisor and a defined research project.	1	1		1	0
SOM Physiology	PSIO	5011	RSCH ELECT / PHY / ENDOCRINE	This course will introduce medical students to physiological research. They will learn how to do hypothesis-based research and learn research methods. Prerequisites: Approval by faculty	3	3			
SOM Physiology	PSIO	8320	Adv Neural & Endo Systems	Understanding the integration of neural and endocrine systems is one of the cornerstones of modern physiology. This course will	2	1	2	0	0

examine in detail the regulation and functional interaction of the neural, immune, and reproductive systems. Specific emphasis will be placed on understanding the complex networks of feedback control leading to whole organism homeostasis. Prerequisites: Biomedical Sciences first-year core courses.

SOM Physiology	PSIO	8330	Teaching Prac in Med Phys	Mentored approach to gaining practical experience lecturing in a medical physiology course. Prerequisites: Biomedical Sciences first-year core courses.	1	1	0	1	0
SOM Physiology	PSIO	9020	Seminar in Physiology	Attendance and participation in research presentations by MCG faculty and visiting research scientists. Prerequisites: Admission to a graduate program.	1	1	1	0	0
SOM Psychiatry & Health Behavior	PSRY	5000	Basic Psychiatry	This required six 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. Prerequisite: Successful completion of Phase II	15	15	4		50
SOM Psychiatry & Health Behavior	PSRY	5002	Consult-Liaison Psy	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. Prerequisite: PSY 5000	7	7			20

medicine. Prerequisites: PSY 5000

SOM Psychiatry & Health Behavior	PSRY	5004	Family Therapy	Students desiring supervision and training in the psychiatric assessment and treatment of individuals from a family systems perspective are encouraged to sign up for this elective. Students can expect to be involved in the treatment of marital and family therapy cases in both the outpatient and inpatient units. Supervision for these activities will be provided by faculty and will include live case observation as well as opportunities in psychotherapy. Students will attend Residents' Family Therapy Seminars, Weekly Outpatient Live Case Conferences, and Inpatient Family Assessment and Treatment Teams. Students will be assigned readings designed to acquaint them with basic and advanced clinical issues involved in Family Therapy approaches to treatment. Prerequisite: PSY 5000	7	7	2	3	10
SOM Psychiatry & Health Behavior	PSRY	5005	Off Campus Elective	Special arrangements can be made for elective rotations at other institutions or for preceptorships with individual psychiatrists. Prerequisites: PSY 5000	7	7	3		40
SOM Psychiatry & Health Behavior	PSRY	5007	Eating Disorders	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	7	7			40

provided concerning a comprehensive biopsychosocial approach to the assessment and treatment of eating disorders.  
Prerequisite: PSY 5000

SOM Psychiatry & Health Behavior	PSRY	5010	Inpatient Psychiatry	3-South is an adult inpatient psychiatric unit offering an interdisciplinary approach to patient care. The student will be included as an integral part of a general hospital psychiatry inpatient team. Responsibilities will include direct patient care, participation in team meetings, participation in group therapy, psychotherapy with supervision, and associated didactic learning experiences. The diverse patient population on 3South will provide the student with learning experiences in Eating Disorders, Electroconvulsive Therapy and Organic Mental Disorders, as well as Mood and Psychotic Disorders. The student will also have the opportunity of gaining experience in crisis intervention, family therapy, psychopharmacology, application of behavioral therapy, inpatient psychotherapy and management of medical problems contributing to psychiatric illness. Prerequisite: PSY 5000	7	7	2	40
SOM Psychiatry & Health Behavior	PSRY	5017	Clin Neurobio Rsch Sem	The objective of the Clinical Neurobiology Research Seminar will be to familiarize the student with current topics in the clinical neurosciences. Emphasis will be placed on a critical reading of the literature, with teaching focused on methods of evaluating the integrity and context of the research literature. Topics will focus on the relationship of behavior to brain chemistry. Discussion will highlight the functional role of different neurotransmitter	7	7	4	20



receptor subtypes, neuropeptides, and second messengers in regulation of stress adaptation, and the expression of cognitive, emotional and perceptual behaviors. The course will review selected advances in behavioral neuroendocrinology, neuropharmacology and the genetic bases of personality. Each student will be required to write a review paper for course completion. The goals of the seminar will be both to contribute toward the development of the student's interest in a particular area, as well as to integrate an understanding of where the field is advancing relevant to future physician careers. Prerequisite:

SOM Psychiatry & Health Behavior	PSRY	5021	Neuropsy-Adlt-Non-Primate	To provide the student doctor with the opportunity to participate in an ongoing research program in which rhesus monkeys are trained to perform certain operant tasks used to assess cognition and memory. Prerequisites: PSY 5000	7	7	2	38
SOM Psychiatry & Health Behavior	PSRY	5023	Inpat-Consul Child Psy	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 acute psychiatric care but includes one afternoon of medication clinic per week to allow experience with children and adolescents who are followed for less acute issues such as maintenance of depression, ADHD and behavioral disruption. Prerequisite: PSY 5000	7	7	2	38

SOM Psychiatry & Health Behavior	PSRY	5028	HIV-AIDS Psy Psycho Is	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. Prerequisite: PSY 5000	7	7	3	30
SOM Psychiatry & Health Behavior	PSRY	5029	Mole Neuro Treat Schizoph	This elective will explore the molecular neurobiologic 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 assesment of patients. This elective includes two weekly contact hours of seminar. Prerequisite: PSY 5000	7	7		30 5
SOM Psychiatry & Health Behavior	PSRY	5030	Child & Adol Psych Outpat	Students are offered the opportunity to work directly with faculty and child psychiatry fellows in the evaluation and treatment of children and adolescents (2-18 years) with a variety of behavioral and emotional problems. Emphasis will be placed on evaluating the child's performance in family, school, and social situations along with biological predisposition to illness. Students will be given the opportunity to participate in intake assessments, individual psychotherapy and pharmacotherapy while receiving supervision	7	7	4	35

in these practices. Elective goals will include familiarization with diagnostic issues, evaluation strategies, and behavioral and pharmacological treatments. Prerequisite: PSY 5000

SOM Psychiatry & Health Behavior	PSRY	5033	Elective-Res Treatment	To educate and expose students to the general medical principles and management of critically ill surgical patients in the Intensive Care Unit environment; Objectives: To provide the student doctor with the opportunity to become a member of a treatment team that includes a forensic and child psychiatrist, understand psychopathology of adolescents with self destructive and aggressive behaviors, learn about specific evaluation and treatment of sexually reactive and aggressive behaviors, learn and practice the evaluation of trauma and aggression with specific skills taught in Cognitive Behavior Therapt (CBT), learn about the psychopharmacology of these disorders, learn about the role of the physician in multidisciplinary teams, and learn about substance abuse/dependence evaluation and treatment in this population. At the end of the rotation, students will be able to perform a basic evaluation of adolescents with aggression problems, trauma, sexually aggressive behavior, and substance abuse/dependence issues; perform the cognitive restructuring part of CBT; perform a b	7	7	8
SOM Psychiatry & Health Behavior	PSRY	5034	Applied Clinical Psychopharmac	To provide the learner with exposure to aplication of advanced psychopharmacology	7	7	25

in clinical psychiatry. To provide the learner with opportunity to research and critically interpret literature on topics of psychopharmacology. To provide the learner with an opportunity to participate in writing a literature review-type article on a psychopharmacology topic.

SOM Psychiatry & Health Behavior	PSRY	5035	Psych Approach to Chronic Pain	To provide the learner with exposure to the biopsychosocial approach to the assessment and treatment of chronic pain patients. To provide the learner with opportunity to research and critically interpret literature on topics of pain psychology. To provide the learner with an opportunity to participate in writing a literature review-type article on a topic relevant to pain psychology or to present a relevant topic at the Pain Medicine Lecture Series.	7	7		25
SOM Psychiatry & Health Behavior	PSRY	5086	Eating Disorders	Students will be exposed to the assessment and treatment of anorexia nervosa, bulimia nervosa and various other feeding disorders. Experience may include initial evaluations, consultations within the Children's Medical Center and MCG Hospital and observation of individual, group and family therapy with patients presenting the aforementioned diagnoses. Prerequisite: None	1	1	1	2
SOM Psychiatry & Health Behavior	PSRY	5087	Topical Issues in Psych	This is an introductory course designed to give 1 students a ?Prozactive? perspective on the modern practice and science of psychiatry. The elective will be taught by a variety of psychiatry faculty sharing their expertise and insights in an informal seminar format. Topics will include ?What is a Shrink??. ?Neuroimacina and Psvchiatr? (what does	1	1		1

...?Research Today? highlighting current research efforts in the Department, and related topics over the course of the elective. Opportunities to tour clinical facilities and participate in clinical rounds on psychiatric patients will be included.

SOM Psychiatry & Health Behavior	PSRY	5088	Child/Adolesc Outpt Experience	The goals will be to become comfortable in eliciting pertinent information from children, adolescents and their families to facilitate diagnosis a treatment.	1	1		3
SOM Psychiatry & Health Behavior	PSRY	5089	From Clinical Prac to Research	Students will shadow both course directors in an outpatient setting during the elective time to gain a more in-depth understanding of adult and childhood mental illnesses. The student will be exposed to both the clinical care of individuals with mental illness and will have opportunity to further their knowledge about the importance of reseach including observations of research visits and reviewing research opportunities for those with psychiatric disorders.	1	1		4
SOM Psychiatry & Health Behavior	PSRY	5999	Basic Clerk Remediation in Psy	Remediation of the Basic Core Clerkship in Psychiatry	1	1		
SOM Psychiatry & Health Behavior	RPSY	5000	Psychiatry		27	27	20	50
SOM Psychiatry & Health Behavior	RPSY	5001	Child Psychiatry		27	27		55
SOM Radiology General	RADM	5001	Radiology	The 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	7	7	10	30

In addition to clinical rotations, lectures and case conferences are scheduled throughout the rotation. The primary goal of the elective is to help the student develop a better understanding of the functions of radiology as a contributor to primary care of the patient. The student will 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. Prerequisite: None

SOM Radiology General	RADM	5003	Clkshp Pediatric Radiolog	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, the student will attend film reading sessions with faculty and resident(s). Prerequisite: None	7	7	10	30
SOM Radiology General	RADM	5004	ADV Clksp Diag Rad	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. Prerequisite: RAD 5001	7	7	3	40
SOM Radiology General	RADM	5005	Radiology Clkshp/Off Camp	This elective designed for the student who is considering pursuit of a radiology residency and who would like to obtain additional and varied experiences in the field.	7	7	10	30
SOM Radiology General	RADM	5006	Clkshp Rad Ther Oncology	The student will gain experience in the workup and general management of the cancer patient in the areas of curative therapy,	7	7		40

palliation, and supportive care. Prerequisite: None

SOM Radiology General	RADM	5007	Vascul-Intervnt Radiology	The student and the attending set specific goals and plan learning activities that will lead to attainment of the student's objectives. Prerequisite: Phase III	7	7	40
SOM Radiology General	RADM	5008	Rad Oncology Clerk (Off-Camp)	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.	7	7	8
SOM Radiology General	RADM	5013	Radiology Research Elect	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 comprehe	3	3	8

SOM Radiology General	RADM	5085	Introduction to Radiology	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. Prerequisite: None	1	1	2	2
SOM Radiology General	RADM	5086	Intro to Neuro-Inter Radi	The primary goal of the elective is for the participating medical student to develop understanding of the functions of a neuro-interventionalist. You will be required to keep a radiology elective journal describing activities and types of studies that you observe or participate in during the course. Prerequisite: None	1	1		2
SOM Radiology General	RADM	5098	Intro to Rad Oncology	This course provides a basic introduction to radiation oncology. Students will observe and participate in the therapeutic patient workup. The primary goal of the elective is to help the student develop a better understanding of the functions of the radiation oncologist and a radiation therapy center. Prerequisite: RAD 5085	1	1		6
SOM Surgery	SURG	5000	Basic Clkshp in Surgery Core	This four (4) 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. Prerequisite: Successful completion of Phase II	10	10	1	30
SOM Surgery	SURG	5001	Gen Surgery	Responsibilities of initial evaluations, pre and	10	10	15	40



Clerkship

postoperative planning and care are under the supervision of the surgical resident house staff and the Director of Surgical education. Experience will include the care of peripheral vascular, thoracic, colorectal and general surgical patients as well as a broad exposure to all other surgical specialties. Prerequisites: SUR 5000A

SOM Surgery	SURG	5002	General Surgery Research	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. (Chairman and Staff) Prerequisite: None	7	7	15	40
SOM Surgery	SURG	5003	Preceptorship	Clinical experience with individual private preceptor, in his office, operating room and hospital. (Individual arrangements must be made through both the Chairman of Surgery and the Clinical Surgeon involved.) Prerequisite: SUR 5000	7	7	15	40
SOM Surgery	SURG	5004	Off Campus Experience	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 he wishes 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. Prerequisite: SUR 5000	7	7		

SOM Surgery	SURG	5005	Sr Trauma Rotation	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 prehospital 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 prehospital 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. Prerequisite: SUR 5000	10	10		
SOM Surgery	SURG	5006	Adv Clerkship MMC Sav	During this elective experience the student will be assigned to one of the general surgical services and function as an intern under the watchful eye of the chief resident and chief of service. He or she can expect to be responsible for assigned patients, do a complete work up, scrub on the surgery, be asked to write orders, and follow the patient throughout their hospital course. This elective will be useful in allowing the students to determine whether they wish to pursue a career in surgery or not. Prerequisite: SUR 5000	10	10	40	20
SOM Surgery	SURG	5007	Substitute Internship	Students on this elective will function as substitute interns on the General Surgical	10	10		

Services at the Medical College of Georgia Hospitals. The student will be assigned to a specific surgical service and will function as an integral part of that service. The student is expected to initiate the clinical data base, begin diagnostic measures, and where possible, to perform surgical procedures with supervision. In addition, he will participate in the teaching responsibilities, conferences, clinics, and operating experiences of the service to which he/she is assigned and will be assigned night call responsibilities.  
Prerequisite: SUR 5000

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SOM Surgery	SURG	5008	Clin Mgmt Crit ILLI- Inj Pt	The student will be involved in the care of patients on the Burn/Trauma Service. These patient frequently have injuries and functional disruption of multiple organ systems and therefore offer opportunities not only in learning management of burns and trauma, but also critical care. Cardiovascular, pulmonary and renal physiology are stressed and the frequent use of mechanical ventilatory support and invasive cardiovascular monitoring provide extensive experience in care of the critically ill. The interrelationship of anatomy, pathophysiology, biochemistry, pharmacology and microbiology is studied in relationship to the management of burns, trauma and critical care. Selected readings, didactic presentations, video taped lectures, perceptually instruction and clinical interface are all used as teaching methodology. These students participate as an active member of the patient care team. Prerequisite: SUR 5000	10	10	40
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SOM Surgery	SURG	5009	Clerkship, AMC	Increased knowledge and skills in the field of surgery and in the care of surgical patients.	10	10		
SOM Surgery	SURG	5013	Sur Crit Care-Trauma Clk	During assignment at Atlanta Medical Center, students will be introduced to Surgical Critical Care and Trauma. There is an 18 bed Surgical Intensive Care Unit (SICU) and a moderately busy Trauma Surgery service, and VICU and CVICU. During this rotation, the student will be assigned to patients in the SICU related procedures. There are daily teaching rounds in the SICU with the faculty and housestaff, as well as a variety of surgical conferences on a weekly basis. The exposure to trauma patients is varied and depends on the types of patients admitted. The majority have received blunt injury and are assessed in the trauma admitting area. There is opportunity to spend time with the helicopter team relative to transport care and issues. A surgical library is provided for reading and study during free time and academic pursuit along these lines is stressed while learning practical experience of patient evaluation and care. Prerequisite: Core Curriculum	10	10	20	40
SOM Surgery	SURG	5015	Tutorial History of Med	The student will perform research on a selected topic in the history of medicine. He/she will 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. Prerequisite: Months Offered: August through June	5	5	2	
SOM Surgery	SURG	5016	Sub Intern-Off	Increased knowledge and skills in the field of	10	10	10	80

Campus

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.

SOM Surgery	SURG	5083	General Surgery Elective	To provide freshman students with an introduction to a career in surgery. Students will interact with surgical residents and practicing surgeons from various specialties and backgrounds through guest speakers. There will be opportunity to shadow practicing surgeons to provide real time exposure to a typical day in the life of a surgeon. Students will also receive instruction on how to organize and optimize their approach to the match process.	1	1	1	1
SOM Surgery	SURG	5084	Introduction to Plastic Surger	To introduce to first year students 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.	1	1		2
SOM Surgery	SURG	5085	Pediatric Surgery	Pediatric Surgery	1	1	1	3
SOM Surgery	SURG	5086	Gastrointest Surgery Elec	This course will include a didactic and clinical experience. The student will spend one afternoon a week. The four-hour period will include one hour of lecture and three hours of clinical exposure in areas of operating room, endoscopy, intensive care, and clinical research.	1	1	1	3
SOM Surgery	SURG	5087	GI Surgery	Preceptorship to allow observation of surgical patient care, including operations and clinic.	1	1	4	4

Student will also have formal and informal lecture / teaching activity.

SOM Surgery	SURG	5098	Surgery Summer Precept	Surgery Summer Preceptorship	1	1	1	
SOM Surgery	SURG	5100	Basic Clkshp in Surgery SS	This four (4) 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. Prerequisite: Successful completion of Phase II	10	10	1	30
SOM Surgery	SURG	5280	Spinal Cord Injury Servic	Increased knowledge and skills in the field of Spinal Cord Injury (SCI) and in the care of spinal cord injured patients. The student will perform accurate and thorough history and physical examinations on Spinal Cord Injured patients and participate with increasing responsibility under supervision in the care of Spinal Cord Injured patients. Prerequisites: SUR 5000	7	7		
SOM Surgery	SURG	5300	Pediatric Surgery	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. Prerequisites: SUR 5000	7	7	20	40

SOM Surgery	SURG	5325	Thoracic-Cardiac Clerkshi	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. Prerequisite: SUR 5000	10	10	
SOM Surgery	SURG	5326	Thoracic-Card Sur Precept	Increased knowledge and skills and treatment of cardiothoracic diseases. The student will perform accurate and thorough history and physical examination on cardiothoracic patients and outpatients. Students participate with increasing responsibility under supervision in the evaluation and care of preoperative and postoperative patients Prerequisites: SUR 5000	10	10	
SOM Surgery	SURG	5350	Urology Clerkship	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. Prerequisites: SUR 5000	7	7	25

SOM Surgery	SURG	5351	Urology Off-Campus Exper	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. Prerequisites: SUR 5000	7	7		
SOM Surgery	SURG	5352	Urologic Research	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. Prerequisites: None	3	3	2	18
SOM Surgery	SURG	5375	Plastic Reconstruct Sur	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. Prerequisites: None	7	7		
SOM Surgery	SURG	5377	Plastic Surgery MMC-SAV	Increased knowledge and skills in the field of Plastic Surgery and the care of Plastic Surgery patients. The student will perform accurate and thorough history and physical examination on Plastic Surgery inpatients and outpatients. Participate with increasing responsibility under supervision in the	7	7		



responsibility under supervision in the evaluation and management of preoperative and postoperative plastic surgery patients.  
Prerequisites: Sur 5000

SOM Surgery	SURG	5378	Colorectal Surg Elec (Special)	Increased knowledge and skills in the field of colorectal surgery and in the care of surgical patients.	7	7		40
SOM Surgery	SURG	5999	Basic Clerk Remed in Surg	Remediation of the Basic Core Clerkship in in Surgery	1	1		
SOM Surgery	RSUR	5000	Surgery		27	27	10	40
SOM Surgery ENT	SURG	5250	Otolaryngology	This clerkship is designed to familiarize the student with the diseases of the ears, nose and throat with emphasis on diagnostic techniques, including physical examination techniques, radiology, audiometrics and endoscopic procedures. The student will be introduced to the principles of head and neck surgery, facial plastic surgery, endoscopy and neurotology. The utilization of the office and hospital patients will allow the student to participate in and observe the specialty of Otolaryngology. Prerequisite: None	7	7		40
SOM Surgery ENT	SURG	5251	Otolaryngology Surgery	This clerkship is designed to familiarize the student with the diseases of the ears, nose and throat with emphasis on diagnostic techniques, including physical examination techniques, radiology, audiometrics and endoscopic procedures. The student will be introduced to the principles of head and neck surgery, endoscopy and neurotology. Prerequisite: None	7	7	5	40
SOM Surgery ENT	SURG	5252	Otolaryn Off Camp Exper	Students may elect off campus experience in place of Otolaryngology in some other medical	7	7		40

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. Prerequisite: None

SOM Surgery ENT	SURG	5253	Clkshp-Otolaryn Head-Neck	Increased knowledge and skills in the field of Head and Neck Surgery and in the care of Otolaryngology patients. Prerequisite: SUR 5000	7	7		
SOM Surgery ENT	SURG	5254	Adv Clkshp Head-Neck	Note: 24 operating room hours per week and 8 hours of ward work per week. Goals: Increased knowledge and skills in the field of Otolaryngology and in the care of surgical patients; Objectives: The student will 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; Activities: Students on this elective will function as substitute interns on the Otolaryngology Service at the Medical College of Georgia. The student will function as an integral part of the service. The student is expected to initiate the clinical data base, begin diagnostic measures, and where possible, perform surgical procedures with supervision. In addition, he/she will participate in the teaching responsibilities, conferences, clinics, and operating experiences of the service to which he/she is assigned and he/she will be assigned night call responsibilities	7	7	8	16

SOM Surgery ENT	RSUR	5002	Otolaryngology		27	27	10	40
SOM Surgery Neurosurgery	NEUS	5099	Introduction to Neurosurgery	To give students exposure to the clinical and research opportunities in Neurosurgery. At the end of the elective, students will be able to obtain a complete and accurate neurological history and physical examination, present a focused and comprehensive evaluation of a patient in a clear and concise manner and demonstrate technical competencies in basic procedures relevant to the experience.	1	1		6
SOM Surgery Neurosurgery	SURG	5200	Neurosurgery Clerkship	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 he will have primary responsibility for daily care under the supervision of the senior house officer and staff of the Neurosurgery Service. He 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. Prerequisite: NEU 5000	7	7		
SOM Surgery Neurosurgery	SURG	5202	Neurosurgery Preceptorship	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. Prerequisite: NEU 5000	7	7		

THIS ELECTIVE. Prerequisite: NEU 5000

SOM Surgery Neurosurgery	SURG	5203	Neurosur Clerkship-Rsch	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. Prerequisite: NEU 5000	7	7		40
SOM Surgery Neurosurgery	SURG	5205	Pediatric Neurosurgery Clkshp	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.	7	7		
SOM Surgery Neurosurgery	RSUR	5001	Neurosurgery		27	27	10	40
SOM Surgery Neurosurgery	RSUR	5007	Neurosur Spine Fellow non ACGM	PPROF_NEUR	27	27	10	40
SOM Surgery Orthopedics	SURG	5082	Orthopedic Elective	To provide freshmen students with an introduction to a career in orthopedic surgery. Students will interact with orthopedic faculty from various subspecialties and backgrounds through guest speakers. There will be opportunity to shadow practicing orthopedists to provide real time exposure to a twoidal day in the life of an orthopedic	1	1	1	0

a typical day in the life of an orthopedic surgeon.

SOM Surgery Orthopedics	SURG	5275	Orthopedics Clerkship	Increased knowledge and skills in the field of Orthopedic Surgery and in the care of Orthopedics patients. Prerequisite: SUR 5000	7	7			40
SOM Surgery Orthopedics	SURG	5278	Orthoped OC Exper	Increased knowledge and skills in the field of Orthopedic Surgery and in the care of orthopedics patients. Prerequisites: SUR 5000	7	7			
SOM Surgery Orthopedics	SURG	5292	Ortho Research	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. Prerequisites: SUR 5000	2	2	20		40
SOM Surgery Orthopedics	RSUR	5003	Orthopedics		27	27	10		40
SOM Surgery Urology	SURG	5081	Urologic Surgery Elective	This elective is designed to familiarize first year students with one of these surprisingly attractive career tracks soon enough in their education that they do not inadvertently close the door on such opportunities before giving the option adequate consideration. While the course is focused primarily on urologic surgery, gaining an understanding of the factors involved when residency programs assess a student's the relative competitiveness and exploring avenues that can improve a student's status will benefit any residency application.	1	1	1	1	
SOM Surgery Urology	RURO	5000	Urology		27	27	10	4	40
SOM Vascular Biology	VBIO	8010	Fundamental Principles in Vas	An in-depth study of vascular biology with a focus on pathophysiological mechanisms. Vascular physiology and pathophysiology will be correlated to an integrated functional analysis of the tissue and organ level.	3	3	3	0	0

analysis at the tissue and organ level. Emphasis will be given to clinical issues relevant to research in vascular biology. Prerequisites: Completion of 1st year Biomedical Sciences graduate core curriculum or consent of course director.

SOM Vascular Biology	VBIO	8020	New Frontiers in Vasc Bio	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 1st year Biomedical sciences graduate core curriculum or consent of course director.	2	2	2	0	0
SOM Vascular Biology	VBIO	8130	Modern Drug Discovery / Development	This 3 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. Prerequisites: Enrolled in MCG graduate program.	3	3	3		
SOM Vascular Biology	VBIO	9010	Seminar in Vascular Bio	Weekly seminar in Vascular Biology. Typically includes 5-6 speakers from outside MCG who are world leaders in specific areas of vascular biology along with presentation of the latest work from MCG researchers. Prerequisites: Enrollment in the Vascular Biology Graduate Program.	1	1	0	30	0

SOM Vascular Biology	VBIO	9210	Investigation of a Prob	Laboratory rotation course where the student works with individual faculty members on a specific research topic. This provides as introduction to techniques utilized in the laboratory as well as in introduction to the scientific method. Prerequisites: Enrollment in Vascular Biology Graduate Program.	1	1	0	30	0
SOM Vascular Biology	VBIO	9300	Research in Vascular Bio	The student works closely with his/her 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. Prerequisites: Enrollment in Vascular Biology Graduate Program and permanent assignment to a specific laboratory with faculty advisor and defined research project.	1	1	0	0	0
SOM Vascular Biology	SGSS	8120	Cardiovas Physio & Pharma	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. Prerequisites: Satisfactory completion of the first year biomedical sciences core curriculum, or permission of the course director.	3	3	3	0	0

# MCG CATALOG





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# MCG CATALOG

[MCG Catalog > Accreditation](#)

## Accreditation

The Medical College of Georgia is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1886 Southern Lane, Decatur, Georgia 30033-4097, telephone number 404-679-4501) to award one-year and advanced certificates and degrees at the associate, baccalaureate, master's, first professional and doctoral level.

- [Accreditation at MCG](#)

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# MCG CATALOG

[MCG Catalog](#) > [MCG Leadership](#)

## MCG Leadership

- Daniel W. Rahn, President, Medical College of Georgia, and Senior Vice Chancellor of Health and Medical Programs, University System of Georgia
- J. Michael Ash, **Vice President for Administration**
- Deb Barshafsky, **Vice President for Decision Support**
- Kapil Bhalla, **Vice President for Administration**
- William Bowes, **Vice President for Finance**
- Beth Brigdon, **Vice President for Information Technology**
- Annie Hunt Burriss, **Special Assistant to the President**
- Gretchen B. Caughman, **Dean, School of Graduate Studies**
- Roman M. Cibirka, **Vice President for Instruction**
- Connie L. Drisko, **Dean, School of Dentistry**
- R. Bryan Ginn, Jr., **Vice President for University Advancement**
- Barry D. Goldstein, **Provost**
- Michael W. Hill, **Director, Institutional Audit and Compliance**
- Lucy N. Marion, **Dean, School of Nursing**
- D. Douglas Miller, **Dean, School of Medicine**
- Michael H. Miller, **Vice President for Enrollment and Student Services**
- Shelley Mishoe, **Dean, School of Allied Health Sciences**
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- Curt M. Steinhart, **President/CEO, Physicians Practice Group**
- Martha S. Tingen, **Vice Chair, Academic Council**
- Frank A. Treiber, **Vice President for Research**

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# MCG CATALOG

[MCG Catalog > Mission Statement](#)

## **MCG Mission Statement**

The mission of the Medical College of Georgia is to improve health and reduce the burden of illness in society by discovering, disseminating, and applying knowledge of human health and disease.

- [Mission, Vision and Values](#)

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# MCG CATALOG

[MCG Catalog > Academic Regulations](#)

## Academic Regulations

Academic Regulations are located on the Office of the Registrar website. Direct links are provided here for your convenience. You are leaving the Catalog:

- ▣ [Academic Honesty](#)
- ▣ [Academic Probation, Dismissal and Suspension](#)
  - [Adding and Dropping Courses](#)
  - [Attendance](#)
  - [Auditors](#)
  - [Classification of Students](#)
- ▣ [Continuing Enrollment During Breaks in Academic Calendar](#)
- ▣ [Course Numbering System](#)
  - [Campus Review Body](#)
  - [Curriculum Changes](#)
  - [Dean's List](#)
  - [Educational Records](#)
- ▣ [Examinations](#)
- ▣ [Good Standing and Satisfactory Progress](#)
  - [Grades](#)
  - [Grade Changes](#)
  - [Graduation Requirements](#)
  - [Graduation with Honors](#)
- ▣ [Late Registration Policy](#)
  - [Normal Course Load](#)
  - [Planning the Academic Program](#)
  - [Professional Liability Insurance](#)

- Registration
- Registration for Make-up of Incomplete Grades
- Repeated Course Work
- Units of Credit
- Withdrawal from the University (pdf)

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# MCG CATALOG



## 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, the Medical College of Georgia 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 amount 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

The Medical College of Georgia is an affirmative action/equal opportunity educational institution in that no person shall on the grounds of sex, race, color, creed, religion, age, national origin, sexual orientation, veteran's status or handicap be excluded from participation in or be otherwise subjected to discrimination in any educational program, activity, or facility.

The Medical College of Georgia is committed to an effective affirmative action policy. MCG 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

The Medical College of Georgia'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 the Medical College of Georgia to insure 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.

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# MCG CATALOG

[MCG Catalog](#) > [Student Services](#)

## Student Services

Direct links to specific pages are provided here for your convenience. You are leaving the Catalog:

- [Bookstore](#)
- [Career Services](#)
- [Educational Outreach](#)
- [Express Card](#)
- [Housing \(Residence Life\)](#)
- [Library](#)
- [Registrar](#)
- [Student Center Cafeteria](#)
- [Student Diversity](#)
- [Student Health](#)
- [Wellness Center](#)

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# MCG CATALOG

[MCG Catalog > Student Handbook Links](#)

## Student Handbook Links

Direct links to specific pages in the [Student Handbook](#) are provided here for your convenience. You are leaving the Catalog:

- ▣ [Student Services](#)
- ▣ [Student Organizations](#)
  - [Student Conduct Code and Procedures](#)
  - [Selected Policies and Procedures](#)

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# MCG CATALOG

[MCG Catalog > Student Links](#)

## Student Links

Direct links to specific pages are provided here for your convenience. You are leaving the Catalog:

- [Academic Calendars](#)
- [Admissions Requirements](#)
- [Computer Use Policy](#)
- [ACE Statement on Academic Rights and Responsibilities \(PDF\)](#)
- [Enrollment Certification Request](#)
- [Immunization Requirements](#)
- [Student Health Insurance](#)
- [Transcript Request](#)

## Financial

- [Tuition and Fees](#)
- [Fee Payment and Refunds](#)
- [BOR Student Classifications for Tuition](#)
- [BOR Out-of-State Tuition Waivers](#)
- [BOR Waiver of Mandatory Fees](#)

# MCG CATALOG

[MCG Catalog > Degrees and Majors Authorized](#)

## Degrees and Majors Authorized

### One-Year Certificates

Certificate in Diagnostic Medical Sonography

Certificate in Health Information Administration

One-Year Certificate in Nuclear Medicine Technology

One-Year Certificate in Radiation Therapy Technology

### Advanced Certificates

Post-Master's Certificate with a Major in Acute Care Nurse Practitioner

Post-Master's Certificate with a Major in Clinical Translational Science

Post-Master's Certificate with a Major in Family Nurse Practitioner

Post-Master's Certificate with a Major in Nursing Informatics

Post-Master's Certificate with a Major in Pediatric Nurse Practitioner

Post-Master's Certificate with a Major in Psychiatric and Mental Health Advanced Practice Nurse

Post-Master's Certificate with a Major in Public/Community Health Clinical Nurse Specialist

Certificate in Medical Technology

Post-First Professional Certificate with a Major in Advanced Education in General Dentistry

Post-First Professional Certificate with a Major in Endodontics

Post-First Professional Certificate with a Major in General Practice Residency

Post-First Professional Certificate with a Major in Oral Surgery

Post-First Professional Certificate with a Major in Orthodontics

Post-First Professional Certificate with a Major in Pediatric Dentistry

Post-First Professional Certificate with a Major in Periodontics

Post-First Professional Certificate with a Major in Prosthodontics

### Bachelor's

Bachelor of Science in Dental Hygiene

Bachelor of Science in Health Information Administration

Bachelor of Science in Medical Technology

Bachelor of Science in Nursing

Bachelor of Science in Nursing RN to BSN

Bachelor of Science in Physician Assistant

Bachelor of Science in Respiratory Therapy

Bachelor of Science in Radiologic Sciences-Diagnostic Medical Sonography

Bachelor of Science in Radiologic Sciences-Medical Dosimetry

Bachelor of Science in Radiologic Sciences-Nuclear Medicine Technology

Bachelor of Science in Radiologic Sciences-Radiation Therapy Technology

### **Master's**

Master of Clinical and Translational Science

Master of Health Education

Master of Health Science in Occupational Therapy

Master of Physician Assistant

Master of Public Health with a Major in Health Informatics

Master of Science with a Major in Allied Health

Master of Science with a Major in Biochemistry and Molecular Biology

Master of Science with a Major in Biostatistics

Master of Science with a Major in Cellular Biology and Anatomy

Master of Science with a Major in Genomic Medicine

Master of Science with a Major in Microbiology

Master of Science with a Major in Molecular Medicine

Master of Science with a Major in Neuroscience

Master of Science with a Major in Pharmacology

Master of Science with a Major in Physiology

Master of Science with a Major in Vascular Biology

Master of Science in Medical Illustration

Master of Science in Nursing with a Major in Clinical Nurse Leadership

Master of Science in Nursing with a Major in Family Nurse Practitioner

Master of Science in Nursing with a Major in Neonatal Nurse Practitioner

Master of Science in Nursing with a Major in Nursing Anesthesia

Master of Science in Nursing with a Major in Nursing, Other

Master of Science in Nursing with a Major in Pediatric Nurse Practitioner

Master of Science with a Major in Oral Biology

### **First Professional**

Doctor of Dental Medicine

Doctor of Medicine

### **Doctoral**

Doctor of Nursing Practice

Doctor of Philosophy with a Major in Biochemistry and Molecular Biology

Doctor of Philosophy with a Major in Biostatistics

Doctor of Philosophy with a Major in Cellular Biology and Anatomy

Doctor of Philosophy with a Major in Genomic Medicine

Doctor of Philosophy with a Major in Microbiology

Doctor of Philosophy with a Major in Molecular Medicine

Doctor of Philosophy with a Major in Neuroscience

Doctor of Philosophy with a Major in Nursing *in cooperation with GA State University*

Doctor of Philosophy with a Major in Oral Biology and Maxillofacial Pathology

Doctor of Philosophy with a Major in Pharmacology

Doctor of Philosophy with a Major in Physiology

Doctor of Philosophy with a Major in Vascular Biology

Doctor of Physical Therapy

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# MCG CATALOG

[MCG Catalog](#) > [School of Allied Health Sciences](#)

## School of Allied Health Sciences

### Bachelor of science

- [Biomedical and Radiological Technologies](#)
- [Dental Hygiene](#)
- ▣ [Health Information Administration](#)
- ▣ [Physician Assistant](#)
- [Respiratory Therapy](#)

### Master of public health

- [Health Informatics](#)

### Master of science

- [Medical Illustration](#)

### Master of health science

- ▣ [Occupational Therapy](#)

### Master of physician assistant

- [Physician Assistant](#)

### DOCTORATE PROGRAMS

- [Physical Therapy](#)

### RELATED LINKS

- [School of Allied Health Sciences Home Page](#)
- ▣ [Course Descriptions \(Pulse\)](#)

- Policies and Procedures
- School of Allied Health Sciences Faculty

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# MCG CATALOG

[MCG Catalog](#) > [School of Allied Health Sciences](#) > [Biomedical and Radiological Technologies](#) > [Admissions Requirements](#)

## School of Allied Health Sciences: Biomedical and Radiological Technologies

# General Admission Criteria

### *Traditional 2+2 Transfer Program Program for Certified Technologists*

#### **Traditional 2+2 Transfer Program**

Admission is based on the applicant's prior academic performance at the college level, personal interviews, and assessment of personal qualities needed to successfully complete the program.

1. Prior to enrollment, the applicant must have completed a [core curriculum](#) of 60 semester hours at another accredited college or university.
2. A grade point average of at least 2.3 (on a 4.0 scale) on all previous college work is required for consideration.
3. Two letters of recommendation are required.
4. A minimum of eight hours of documented observation in the radiologic discipline selected as a major is required prior to, or concurrent with, application. For double majors, eight hours of observation in each discipline is required. Documentation is to be submitted directly to the department and must be submitted on facility letterhead and signed by an authorized agent of the facility where the observation was conducted.
5.
  1. Interviews are by invitation only.
6. Applicants whose first language is not English must submit official [TOEFL](#) scores. A minimum score of 213 on the computer-based exam or 550 on the paper exam is required for admission consideration.

The Admissions Committee selects the applicants who seem best qualified for the program from among those who apply. Application forms are available from the [Office of Academic Admissions](#). Applications should be received by March 1 for priority consideration, but applications will be processed until the class is filled.

#### **Program for Students Certified in Radiologic Sciences**

Admission is based on the applicant's prior academic performance at the college level, personal interviews, and assessment of personal qualities needed to successfully complete the program.

1.
  1. Prior to enrollment, the applicant must have completed a **core curriculum** of 60 semester hours at another accredited college or university.
2.
  1. A grade point average of at least 2.3 (on a 4.0 scale) on all previous college work is required for consideration.
3. Two letters of recommendation are required. For recent graduates from radiologic programs, one reference must be from a faculty member of the radiologic program.
4. Applicants must be certified by the appropriate organization (ARRT/NMTCB/ARDMS) and have active standing as a registrant. A copy of the current registration card must be submitted to the department. For applicants who could not sit for the certification exam prior to enrollment at MCG, registry eligibility may meet admission requirements. In such cases, certification becomes a requirement for graduation from MCG, with the block of professional hours held in escrow until certification is satisfied.
5.
  1. Interviews are by invitation only.
6.
  1. Applicants whose first language is not English must submit official **TOEFL** scores. A minimum score of 213 on the computer-based exam or 550 on the paper exam is required for admission consideration.

The Admissions Committee selects the applicants who seem best qualified for the program from among those who apply. Application forms are available from the [Office of Academic Admissions](#). Applications should be received by March 1 for priority consideration, but applications will be processed until the class is filled.

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# MCG CATALOG

[MCG Catalog](#) > [School of Allied Health Sciences](#) > [Biomedical and Radiological Technologies](#) > [Academic Standards / Grad Requirements](#)

## School of Allied Health Sciences: Biomedical and Radiological Technologies

### Academic Standards

Students in all departmental programs must earn a grade of C or better in required major area courses to receive program credit. (Major area courses are 1) all professional courses, 2) math/science courses in the core area and 3) area IV courses in programs where applicable. Additionally, certain moral, ethical and behavioral standards are expected of students aspiring to careers in health science. The department therefore requires compliance with policies and procedures which govern conduct both as a student in the university and as a student in a professional program. These regulations are considered academic standards within the scope of clinical practicum courses in the curriculum. Specific policies and procedures are given to the student upon matriculation.

The student who receives a D or F in clinical practicum may be denied permission to continue in subsequent clinical practicum. The department promotions committee will review the student's performance and will make an appropriate recommendation.

#### Graduation REquirements

Each program has an identified curriculum which must be successfully completed, which includes a designated number of clinical experience hours, as well as competency assessments. Specific data is given to each student upon enrollment. Due to the dynamic nature of these technological services, periodic revision of curricula is performed. In the event necessary curricular/graduation requirement changes are applied to enrolled students, such changes will be made known to the students. It is then the responsibility of each student to meet the specified requirements. In such circumstances every effort will be made to minimize possible negative impact on a student's curricular plans, especially as pertains to anticipated time of program completion.

# MCG CATALOG

[MCG Catalog](#) > [School of Allied Health Sciences](#) > [Biomedical and Radiological Technologies](#) > [NMT Curriculum](#)

## School of Allied Health Sciences: Biomedical and Radiological Technologies

### Certificate in Diagnostic Medical Sonography Curriculum

The 12-month curriculum is designed for those previously qualified in a clinically related health profession. It provides professionals with the educational requirements and clinical experience to sit for the ARDMS examinations in physics/ultrasound and instrumentation and the imaging specialties of abdomen and obstetrics/gynecology. Observation (eight hours) in a sonology lab prior to consideration for acceptance is required.

#### Academic Requirements

Applicants for admission must have a high school diploma or equivalent and have qualification in a clinically related health profession, with a minimum of two years of education in an accredited educational program. Examples of such professions are radiography, nuclear medicine technology, medical technology, nursing, etc. A composite of an applicant's academic record, references, motivation and a personal interview is the major criterion for admission.

#### Specific Academic Requirements

1. Applicants must have completed college education in general anatomy and physiology (8 semester hours), college English grammar and composition (6 semester hours) and college algebra.
2. A minimum grade point average, for all post-secondary course work, of 2.3 is required.
3. Certification in CPR and first aid is required before matriculation in the program.
4. Observation (eight hours) in a sonology lab is required.
5. Interviews are by invitation only.

#### CURRICULUM

<i>Fall</i>		<b>Credit Hours</b>
RSC 3611	Introduction to Patient Care	2
RSC 4602	Sectional Anatomy	2
DMS 3611	Sonologic Application I: Abd/OB/GYN	3

DMS 3610	Sonographic Instrumentation	1
DMS 3641	Clinical Internship I	4
	<b>Semester Total</b>	<b>12</b>
<b>Spring</b>		
AHS 3610	Ethics in Health Professionals	1
DMS 3612	Sonologic Application II: Abd/OB/GYN	5
PCS 3650	Sonologic Physics	3
DMS 3642	Clinical Internship II	4
RSC 4621	Pathology for Radiologic Sciences	2
	<b>Semester Total</b>	<b>15</b>
<b>Summer</b>		
DMS 3615	Sonologic Application III: Abd/OB/GYN	4
ANM 3320	Systemic Anatomy	5
DMS 3643	Clinical Internship III	4
	<b>Semester Total</b>	<b>13</b>



# MCG CATALOG

MCG Catalog > School of Allied Health Sciences > Biomedical and Radiological Technologies > NMT Curriculum

## School of Allied Health Sciences: Biomedical and Radiological Technologies Diagnostic Medical Sonography Curriculum

### Bachelor of Science with concentration in Diagnostic Medical Sonography

#### Junior Year

#### *Credit Hours*

#### *Fall*

RSC 3611	Introduction to Patient Care	2
RSC 4602	Sectional Anatomy	2
DMS 3611	Sonography Application I: Abd/OB/GYN	3
DMS 3610	Sonographic Instrumentation	1
DMS 3641	Clinical Internship I	4
<b>Semester Total</b>		<b>12</b>

#### *Spring*

AHS 3610	Ethics in Health Professionals	1
DMS 3614	Sonography Applications II: Abd/OB/GYN	5
PCS 3650	Sonologic Physics	3
DMS 3642	Clinical Internship II	4
RSC 4621	Pathology for Radiologic Sciences	2
<b>Semester Total</b>		<b>15</b>

#### *Summer*

DMS 3615	Sonography Application III: Abd/OB/GYN	4
ANM 3320	Systemic Anatomy	5
DMS 3643	Clinical Internship III	4
<b>Semester Total</b>		<b>13</b>

#### Senior Year

#### *Fall*

DMS 4625	Introduction to Vascular	3
DMS 4627	Sonologic Application of	3

DMS 4621	Cardiovascular Physics	1
DMS 4641	Clinical Internship IV	4
DMS 4623	Independent Study	2
	<b>Semester Total</b>	<b>13</b>

**Spring**

	U.S. Healthcare Delivery System	1
RSC 4610	Advanced Radiologic Patient Care	2
DMS 4629	Pediatric Echocardiography	2
DMS 4631	Sonologic Application of Echocardiography II	5
DMS 4642	Clinical Internship V	4
	<b>Semester Total</b>	<b>14</b>

**Summer**

DMS 4637	Sonographic Seminar	3
DMS 4633	Cardiac Evaluation Methods	2
DMS 4635	Sonologic Application of Echocardiography IIII	4
DMS 4643	Clinical Internship VI	4
	<b>Semester Total</b>	<b>13</b>

# MCG CATALOG

MCG Catalog > School of Allied Health Sciences

## School of Allied Health Sciences - Biomedical and Radiological Technologies

Admissions Criteria

### On-Campus 2+2 Transfer Program

Admission is based on the applicant's prior academic performance at the college level, personal interviews, and assessment of personal qualities needed to successfully complete the program.

1. 1. Prior to enrollment, the applicant must have completed a [core curriculum](#) of 60 semester hours at
2. another accredited college or university.
- 3.
4. 2. A grade point average of at least 2.5 (on a 4.0 scale) on all previous college work is required for
5. consideration. Coursework more than 10 years old must be updated in organic chemistry,
6. microbiology,
7. and algebra.
8. 3. Two letters of recommendation are required.
- 9.
10. 4. Interviews are by invitation only.
- 11.
12. 5. Applicants whose first language is not English must submit official [TOEFL](#) scores. A minimum score of
13. 213 on the computer-based exam or 550 on the paper exam is required for admission consideration.
- 14.

The Admissions Committee selects the applicants who seem best qualified for the program from among those who apply. Application forms are available from the [Office of Academic Admissions](#).

Applications for admission are encouraged by March 1, but will continue to be processed until the class has been filled.

### Internet 2+2 Transfer Program

Admission is based on the applicant's prior academic performance at the college level, personal interviews, and assessment of personal qualities needed to successfully complete the program.

1. 1. Prior to enrollment, the applicant must have completed a [core curriculum](#) of 60 semester hours at
2. another accredited college or university.
- 3.
4. 2. A grade point average of at least 2.5 (on a 4.0 scale) on all previous college work is required for
5. consideration. Coursework more than 10 years old must be updated in organic chemistry,
6. microbiology,
7. and algebra.
8. 3. Two letters of recommendation are required.
- 9.
10. 4. Interviews are by invitation only.
- 11.
12. 5. Applicants whose first language is not English must submit official [TOEFL](#) scores. A minimum score of
13. 213 on the computer-based exam or 550 on the paper exam is required for admission consideration.
- 14.
15. 6.
16. 2+2 Internet program students will need access to clinical laboratory affiliate for the required internship.
17. Contact School of Medical Technology for clinical affiliate information at (800) 723-7414.

The Admissions Committee selects the applicants who seem best qualified for the program from among those who apply. Application forms are available from the [Office of Academic Admissions](#).

Applications for admission are encouraged by March 1, but will continue to be processed until the class has been filled.

## One-year and Internet distance articulation programs for certified MLTs and certified CLTs

Admission is based on the applicant's prior academic performance at the college level, personal interviews, and assessment of personal qualities needed to successfully complete the program.

1. 1. Prior to enrollment, the applicant must have completed a [core curriculum](#) of 60 semester hours at
2. another accredited college or university.
- 3.
4. 2. A grade point average of at least 2.5 (on a 4.0 scale) on all previous college work is required for
5. consideration. Coursework more than 10 years old must be updated in organic chemistry,

- microbiology,
- 6. and algebra.
- 7.
- 8. 3. Professional certification as a MLT(ASCP) and/or CLT(NCA), or other national agency is required.
- 9.
- 10. 4. Two letters of recommendation are required.
- 11.
- 12. 5. Interviews are by invitation only.
- 13.
- 14. 6. Applicants whose first language is not English must submit official TOEFL scores. A minimum score of
- 15. 213 on the computer-based exam or 550 on the paper exam is required for admission consideration.
- 16.
- 17. 7. Internet distance program applicants must be employed in or have access to a clinical laboratory for
- 18. required internship projects.
- 19.

The Admissions Committee selects the applicants who seem best qualified for the program from among those who apply. Application forms are available from the [Office of Academic Admissions](#).

Applications for admission are encouraged by March 1, but will continue to be processed until the class has been filled.

## One-year program for college graduates with bachelors degrees in science

Admission is based on the applicant's prior academic performance at the college level, personal interviews, and assessment of personal qualities needed to successfully complete the program. Specific requirements are as follows:

- 1. 1. All applicants must hold a bachelor of science degree in biology, chemistry, microbiology, or related
- 2. science field from an accredited college or university.
- 3.
- 4. 2. At least 16 semester hours of biology courses (including microbiology and immunology), at least 13
- 5. semester hours of chemistry courses (including one semester of biochemistry), and three semester
- 6. of college algebra or higher-level math are required.
- 7.
- 8. 3. A grade point average of at least 2.75 (on a 4.0 scale) on all previous college work and an
- 9. average of at
- 10. least 2.75 on science courses are required for consideration. Coursework more than 10 years old must be
- 11. updated in organic chemistry, microbiology, and algebra.

- 11.
12. 4. Interviews are by invitation only.
- 13.
14. 5. An interview is required.
- 15.
16. 6. Applicants whose first language is not English must submit official **TOEFL** scores. A minimum score of
17. 213 on the computer-based exam or 550 on the paper exam is required for admission consideration.
- 18.

The Admissions Committee selects the applicants who seem best qualified for the program from among those who apply.

Application forms are available from the [Office of Academic Admissions](#).

Applications for admission are encouraged by March 1, but will continue to be processed until the class has been filled.

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# MCG CATALOG

MCG Catalog > School of Allied Health Sciences > Biomedical and Radiological Technologies > NMT Curriculum

## School of Allied Health Sciences: Biomedical and Radiological Technologies

### Nuclear Medicine Technology Curriculum

<b>Junior Year</b>	<b>Credit Hours</b>
<b>Fall</b>	
PYCS 3210 Radiation Protection and Detection	4
BRTC 3100 Introduction to Patient Care	2
NMMT 3611 Principles of Nuclear Medicine I	3
NMMT 3621 Principles of Nuclear Medicine I Lab	1
NMMT 3641 Clinical Internship	3
<b>Semester Total</b>	<b>13</b>
<b>Spring</b>	
SAHS 4300 Professional Issues	2
NMMT 3612 Principles of Nuclear Medicine II	3
NMMT 3622 Principles of Nuclear Medicine II Lab	1
NMMT 3631 Applied Research I	2
PYCS 4600 Physics and Instrumentation of Nuclear Medicine	4
NMT 3642 Clinical Internship	3
<b>Semester Total</b>	<b>15</b>
<b>Summer</b>	
NMMT 3600 Introduction to Nuclear Cardiology	2
NMMT 3620 Into to Nuclear Cardiology Lab	1
RSC 3602 PBL in Radiology Patient Management	1
NMT 3643 Clinical Internship	5

AHS 4300	Professional Issues (Elective)	1
NMT 3623	Clinical Correlation	1
NMMT4602	Independent Study	1
	<b>Semester Total</b>	<b>12</b>

**Senior  
Year**

***Fall***

ANAT 3100	Sectional Anatomy	2
PYCS 4120	Principles and Instrumentation of CT	2
BRTC 4620	Statistical Methods and Research Design in the Radiologic Sciences	3
NMT 4600	Advanced Practice in Nuclear Medicine I	3
NMT 4641	Clinical Practicum	2
	<b>Semester Total</b>	<b>12</b>

***Spring***

BRTC 4610	Advanced Radiologic Patient Care	2
BRTC 4621	Pathology for Radiologic Sciences	2
NMMT 4642	Clinical Practicum	2
NMMT 4650	Advanced Practice in Nuclear Medicine II	2
NMMT 4651	Advanced Practice in Nuclear Medicine II Lab	1
NMMT 4631	Applied Research III	2
BRTC 4632	Healthcare Management	2
	<b>Semester Total</b>	<b>13</b>



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# MCG CATALOG

MCG Catalog > School of Allied Health Sciences > Biomedical and Radiological Technologies > Medical Dosimetry Curriculum

## School of Allied Health Sciences: Biomedical and Radiological Technologies Medical Dosimetry Curriculum

### Bachelor of Science with concentration in Medical Dosimetry (for certified radiation therapists only)

#### Junior Year

<i>Fall</i>		<i>Credit Hours</i>
RTR 4631	Principles and Instrumentation of CT	3
RSC 4602	Sectional Anatomy	2
PCS 4637	Advanced Medical Dosimetry Physics	3
RTT 4644	Medical Dosimetry Clinical Internship	5
	<b>Semester Total</b>	<b>13</b>

#### *Spring*

RTT 4649	Medical Dosimetry Special Topics	3
RTT 4645	Medical Dosimetry Clinical Internship	6
	<b>Semester Total</b>	<b>9</b>

#### *Summer*

ANM 3320	Systemic Anatomy	5
RTT 4646	Medical Dosimetry Clinical Internship	6
	<b>Semester Total</b>	<b>11</b>

# MCG CATALOG

MCG Catalog > School of Allied Health Sciences > Biomedical and Radiological Technologies > Radiation Therapy Technology Curriculum

## School of Allied Health Sciences: Biomedical and Radiological Technologies Radiation Therapy Technology Curriculum

### Bachelor of Science with concentration in Radiation Therapy Technology

#### Junior Year

		<b>Credit Hours</b>
<b>Fall</b>		
RSC3634	Rad Protection & Biology	*4
RTT4601	Principles of Rad Oncology	4
RSC3611	Intro to Radiologic Patient Care	*2
RTT3641	Rad Oncology Clinical Internship	4
<b>Semester Total</b>		<b>14</b>

#### Spring

PCS4631	Physics of Radiation Oncology	4
RTT4613	Quality Assurance for Rad Oncology	2
RTT4621	Cancer Management in Rad Oncology	3
RTT4614	Rad Oncology Simulation Procedures	2
RTT3642	Rad Oncology Clinical Internship	4
<b>Semester Total</b>		<b>15</b>

#### Summer

RSC4602	Sectional Anatomy	*2
RSC3602	PBL in Radiology PT. Management	*1
RTT3643	Rad oncology Clinical Internship	6
<b>Semester Total</b>		<b>9</b>

#### Fall

RSC4653	Statistical Methods and Research Design in the Radiologic Sciences	3(elective)
AHS3610	Ethics	*1
PCS4632	Radiation Oncology Dosimetry	3

RTR4631	Principles & Instrumentation of CT	*3
RTT 4640	Rad oncology Clinical Internship	4
<b>Semester Total</b>		<b>14</b>
 <b>Spring</b>		
RSC4621	Pathology	*2
RTT4615	Radiation Oncology Seminar	3
RTT4648	Applied Project	4
RTT4642	Rad Oncology Clinical Internship	4
<b>Semester Total</b>		<b>13</b>

\* Courses with an asterisk may be transferred from a previous health curriculum provided the content is equivalent.

# MCG CATALOG

[MCG Catalog](#) > [School of Allied Health Sciences](#) > [Dental Hygiene](#)

## School of Allied Health Sciences: Dental Hygiene

Bachelor of scienceE in dental hygiene

- [Admissions Requirements](#)
- ▣ [Course Descriptions \(PDF\)](#)
- ▣ [Curriculum](#)
- [Degree Requirements](#)

### RELATED LINKS

- [Dental Hygiene Home Page](#)

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# MCG CATALOG

[MCG Catalog](#) > [School of Allied Health Sciences](#) > [Dental Hygiene](#) > [Admissions Requirements](#)

## School of Allied Health Sciences: Dental Hygiene

### GENERAL ADMISSIONS REQUIREMENTS

Admission is based on the applicant's prior academic performance at the college level and on an assessment of the applicant's motivation and personal qualities needed to successfully complete the program.

- Prior to enrollment, the applicant must have completed 60 semester hours of [Course Prerequisites](#) at another accredited college or university.
- A grade point average of at least 2.3 (on a 4.0 scale) on previous college work is required for consideration.
- Two letters of recommendation are required.
- Applicants whose first language is not English must submit official [TOEFL](#) scores. A minimum score of 213 on the computer-based exam or 550 on the paper exam is required for admission consideration.

### APPLICATION PROCEDURES

Applications for admission are encouraged by **April 1**, but will continue to be processed until the class has been filled.

**All applications must be submitted online.** As part of the application process, you will create a user account to access GAcademy411 if you are a first-time user. [Apply online now!](#)

### CONTACT AN ADMISSIONS COUNSELOR

#### An Admissions Counselor

will be glad to answer your questions via e-mail or to give you a call. Please include your complete telephone number in message. Or, you may telephone the [Office of Academic Admissions](#) at 706-721-2725.

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# MCG CATALOG



## School of Allied Health Sciences: Dental Hygiene

### DEGREE REQUIREMENTS

The Medical College of Georgia is a state supported institution with a primary goal of educating health care providers for the citizens of the state of Georgia.

The ethical practice of dental hygiene requires intellectual ability, physical competence and personal responsibility. Therefore, all requirements for admission must be satisfactorily completed unassisted.

In addition to demonstrating personal characteristics appropriate for a career in a health care profession, qualification for admission to, and, following completion of the curriculum, graduation from, the dental hygiene program requires satisfaction of the following general standards:

- sufficient intellectual capacity to fulfill the curricular requirements of the various required basic science, dental sciences and clinical courses;
- ability to communicate with patients, colleagues, faculty, staff and other members of the health care community;
- physical ability to learn and safely perform the various technical skills required to complete the dental hygiene curriculum; and
- sufficient emotional stability and responsibility to withstand the stresses, uncertainties and changing circumstances that characterize the practice of dental hygiene.

### TECHNICAL STANDARDS FOR THE DEPARTMENT OF DENTAL HYGIENE

In addition to the general standards stated above, students must be able to satisfy all of the following specific technical standards:

All entering students must have the ability to read technical English rapidly and with comprehension; communicate with faculty, patients and peers in English using reasonable grammar and syntax; and attend class. Successful completion of the basic science and clinical science curricula requires physical competence, intellectual ability and personal responsibility of the student to levels facilitating competency in the following tasks and techniques:

- Observe and collect data from demonstration, laboratory assignments and lectures in the basic and dental sciences

- Examine, evaluate and diagnose the oral health status of a child, adolescent, adult and geriatric patient.
- ▣ Observe the patient accurately at a distance and close at hand.
- Position him/herself in such a manner as to make it possible to examine the patient thoroughly, and perform inspection, palpation, percussion, and auscultation as necessary to complete the oral evaluation of the patient.
- ▣ Develop an understanding of current radiation safety principles.
- Become competent in obtaining and interpreting diagnostic oral radiographs
- Assess the oral hygiene treatment needs of special patients, such as the medically, mentally or physically compromised patients, and the socially and culturally disadvantaged.
- Develop appropriate communication techniques compatible with handicapping or compromising disorders.
- ▣ Develop the skills required to interpret the results of the physical evaluation and to develop an appropriate oral hygiene treatment plan.
- Educate and motivate patients regarding their role in establishing and maintaining oral health.
- Control pain and anxiety by utilizing topical pharmacological anesthetics, as well as through modeling and biofeedback.
- ▣ Prevent and manage dental and medical emergencies. This includes having the capacity to perform cardiopulmonary resuscitation and other appropriate life support measures for medical emergencies that may be encountered in a dental practice.
- Assess attachment levels and probing periodontal pockets, as well as perform root debridement and soft tissue management.
- Recognize malocclusion in the primary, mixed and permanent dentition.
- Develop an understanding of basic dental school protocol, practice, and organization by assisting in a variety of clinics in the School of Dentistry.

# MCG CATALOG

MCG Catalog > School of Allied Health Sciences > Dental Hygiene > Curriculum

## School of Allied Health Sciences: Dental Hygiene

Curriculum 2007-08

		Lecture	Lab	Clinic	Seminar	Credit Hours	Faculty
Junior Year, Fall (15 weeks)							
DENH3100	Introduction to Clinic I	2	0	8	0	6	Collins
DENH3105	Theory and Practice I	3	0	0	0	3	Downey
DENH3110	Dental Anatomy	3	0	0	0	3	Thompson/Ward
DENH3115	Oral Anatomy and Physiology	2	0	0	0	2	Lapp
	<b>Semester Total</b>					14	
Junior Year, Spring (15 weeks)							
DENH3120	Introduction to Clinic II	0	2	6	0	4	Lott
DENH3125	Theory and Practice II	3	0	0	0	3	Downey
DENH3130	Dental Radiology	2	0	0	0	2	Thompson
DENH3135	Dental Microbiology	2	0	0	0	2	Volkman
DENH3140	Periodontics Seminar	0	0	0	1	1	Ft. Gordon/Collins
DENH3145	Nutrition	1	0	0	0	1	Hsu
DENH3150	Dental Materials	1	0	0	0	1	Mackert
	<b>Semester Total</b>					14	
Senior Year, Summer (11 weeks)							
DENH3200	Patient Care I	0	0	8	0	4	Ward

DENH3205	Theory and Practice III	3	0	0	0	3	Rainchuso
DENH3210	Research Design	2	2	0	0	3	Collins
DENH3215	Community Dental Health	2	0	0	0	2	Lott
DENH3220	Dental Specialty Clinics I	0	0	2	0	1	Ward
DENH3225	Dental Materials Lab	0	2	0	0	1	Thompson/Ward
	<b>Semester Total</b>					14	
Senior Year, Fall (15 weeks)							
DENH3230	Patient Care II	0	0	12	0	6	Ward
DENH3235	Theory and Practice IV	2	0	0	0	2	Rainchuso
DENH3240	Pharmacology	3	0	0	0	3	Downey/Collins
DENH3245	Radiologic Technique I	0	0	2	0	1	Thompson
DENH3250	Pathology	3	0	0	0	3	Abdelsayed
DENH3255	Dental Specialty Clinics II	0	0	2	0	1	Ward
	<b>Semester Total</b>					16	
Senior Year, Spring (15 weeks)							
DENH3260	Patient Care III	0	0	12	0	6	Ward
DENH3265	Theory and Practice V	2	0	0	0	2	Downey
DENH3270	Radiologic Technique II	0	0	2	0	1	Thompson
DENH3275	Oral Medicine	2	0	0	0	2	Herman
DENH3280	Practice Administration	2	0	0	0	2	Rainchuso
DENH3285	Dental Hygiene Practicum	0	0	4	0	2	Ward
	<b>Semester Total</b>					15	
	<b>PROGRAM TOTAL</b>	40	6	58	1	73	

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# MCG CATALOG

[MCG Catalog](#) > [School of Allied Health Sciences](#) > [Health Informatics](#) > [Admissions Requirements](#)

## School of Allied Health Sciences: Health Informatics

### GENERAL ADMISSIONS REQUIREMENTS

## BACHELOR OF SCIENCE IN HEALTH INFORMATICS

Admission is based on the applicant's prior academic performance at the college level and on an assessment of the applicant's motivation and personal qualities needed to successfully complete the program.

- Prior to enrollment, the applicant must have completed a [core curriculum](#) of 60 semester hours at another accredited college or university.
- A grade point average of at least 2.3 (on a 4.0 scale) on previous college work is required for consideration.
- Two letters of recommendation are required.
- Interviews are by invitation only.
- Applicants whose first language is not English must submit official [TOEFL](#) scores. A minimum score of 213 on the computer-based exam or 550 on the paper exam is required for admission consideration.

### APPLICATION PROCEDURES

The Admissions Committee selects the applicants who seem best qualified for the program from among those who apply. Application forms are available from the [Office of Academic Admissions](#).

Applications for admission are encouraged by July 1, but will continue to be processed until the class has been filled.

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# MCG CATALOG

[MCG Catalog](#) > [School of Allied Health Sciences](#) > [Health Informatics](#) > [Admissions Requirements](#)

## School of Allied Health Sciences: Health Informatics

### GENERAL ADMISSIONS REQUIREMENTS

## ONE-YEAR POST-BACCALAUREATE CERTIFICATE

Admission is based on the applicant's prior academic performance at the college level and on an assessment of the applicant's motivation and personal qualities needed to successfully complete the program. Specific requirements for all post-baccalaureate applicants include:

1. Bachelor's degree from an accredited college or university.
2. Submission of transcripts from all prior colleges or universities attended.
3. Two letters of recommendation.
4. Interview by departmental faculty.
5. Completion of prerequisite courses in Anatomy and Physiology I & II, Accounting (three semester hours), and Micro-Computer Applications with lab, including word processing and spreadsheets (three semester hours).
6. Applicants whose first language is not English must submit official TOEFL scores. A minimum score of 213 on the computer-based exam or 550 on the paper exam is required for admission consideration.

Applicants whose degrees are in allied health science or nursing are required to show:

1. Proof of active or current registration or license in an allied health or nursing profession.
2. At least two years of clinical experience.

Applicants whose degrees are in business are required to show proof of a baccalaureate degree in business administration.

### APPLICATION PROCEDURES



The Admissions Committee selects the applicants who seem best qualified for the program from among those who apply. Application forms are available from the [Office of Academic Admissions](#).

Applications for admission are encouraged by July 1, but will continue to be processed until the class has been filled.

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# MCG CATALOG

MCG Catalog > School of Allied Health Sciences

## School of Allied Health Sciences - Health Informatics

### Grade Requirements

The DHI accepts only grades of "C" or better in all courses in the curriculum. All courses in the HIA curriculum are considered essential to further study; therefore, failure to achieve a grade of "C" or better in any course may be cause for suspension from the program.

Failure to achieve a grade of "C" or better in two or more courses may be cause for suspension from the program. (Interested parties should see the MCG Catalog regarding academic probation, suspension and dismissal). Each faculty member determines and communicates the system of grading used in the courses for which he or she is responsible. Unless otherwise indicated on an applicable course syllabus, the DHI complies with grading systems that parallel the USG guidelines listed in USG Board of Regents Policy Manual 305: A = 100–90; B = 89–80; C = 79–70; D = 69–60 and F = Below 60.

#### *Academic Probation.*

Any undergraduate student whose grade point average (GPA) for any semester is below 2.0 (on a 4.0 scale) or whose cumulative MCG GPA is below 2.0 at the end of any semester shall be considered on academic probation (subject to the provisions of the following dismissal and suspension policies). More stringent departmental probation standards may be applied.

*Academic Dismissal* is the involuntary separation from the university of a student who fails to maintain academic standards. Any undergraduate student shall be dismissed whenever he/she:

- -Receives a failing grade in all academic courses in any semester in which the student
- attempts more
- than one academic course;
- 
- -Fails to achieve and maintain at least a 1.80 cumulative GPA for all resident work after 30 hours and a 2.0
- for all resident work at the end of any academic year thereafter;
- 
- -Fails to achieve a semester GPA of at least 2.0 in the semester immediately following his/her placement
- on probation.
-

Any student dismissed for academic reasons and seeking to be readmitted may reapply for the next regular admission date following standard application procedures.

Where circumstances warrant, a student dismissed under the provisions of this policy may be reinstated as a student on probation upon written authorization of the dean and subject to conditions of continuation established by the dean at the time of reinstatement.

Academic suspension differs from academic dismissal in that a time period may be stated after which return to the program may be permitted. A student who has been suspended may be advised of any conditions necessary for reinstatement and may be permitted to re-enroll at the appropriate time after meeting these conditions.

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# MCG CATALOG

[MCG Catalog](#) > [School of Allied Health Sciences](#) > [Health Informatics](#) > [Admissions Requirements](#)

## School of Allied Health Sciences: Health Informatics

### GENERAL ADMISSIONS REQUIREMENTS

# MASTER OF PUBLIC HEALTH IN HEALTH INFORMATICS

In addition to your complete application and \$30 application fee, the following must also be submitted before your application can be considered:

1.
  1. An official transcript from **each** college/university attended. (Must be mailed to MCG from the institution.)
2. **Three references.**
3. **Graduate Record Exam (GRE) scores** of 1000 or higher must be mailed directly to MCG by the Educational Testing Service. Scores must be less than 5 years old. In special occasions, waivers of the GRE requirement will be granted to professionals with terminal degrees (MD, PhD, DDS, DMD, ScD, EdD, DBA, etc.) from accredited United States universities.
4. **Deadline for completed applications and supporting application materials for Fall semester 2007 admission is July 1, 2007. Early application is strongly encouraged. Applications and supporting materials received after this deadline will be considered on a space-available basis only.**

1. Additional application information and instructions are available [here](#).

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# MCG CATALOG

MCG Catalog > School of Allied Health Sciences

## School of Allied Health Sciences - Health Informatics

### MPH Scholastic Regulations

## Grades, Academic Performance and Progress

Satisfactory progress toward a degree in the School of Graduate Studies 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 and U) must be earned for each course applying toward a graduate degree, and a 2.8 cumulative GPA in all courses attempted toward the degree is required for graduation.

### Academic Probation and Dismissal

Any student whose cumulative GPA for a degree program drops below a 2.8 is placed on academic probation. Such status is noted on the student's academic transcript. While on probation, the student must earn a minimum of a 3.0 each semester until the cumulative GPA is raised to at least a 2.8. Students who fail to earn at least a 3.0 each semester while on probation shall be considered for academic dismissal from the School of Graduate Studies.

## Transfer Credit

Transfer of graduate credit is never automatic; any credits transferred do not reduce the residence requirement for any advanced degree. At the discretion of the Associate Dean and the faculty of the major program, up to 6 semester hours of credit toward a master's degree may be transferred. A request for credit transfer should be initiated by the student through the program's director.

## Withdrawal from the School of Graduate Studies

A student who wishes to withdraw from the program should complete the procedures outlined on the Withdrawal Form available in the Registrar's office. To re-enter the program, the student must complete a reactivation form, which may be obtained from the Registrar's office. If the student is not pre-registered for the term, it is not a withdrawal.

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# MCG CATALOG

[MCG Catalog](#) > [School of Allied Health Sciences](#) > [Physician Assistant](#)

## **School of Allied Health Sciences: Physician Assistant**

- [Admission Requirements](#)
- [Ability and Technical Standards](#)
- [Curriculum](#)
- [Course Descriptions \(PDF\)](#)

### RELATED LINKS

- [Physician Assistant Home Page](#)

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# MCG CATALOG

[MCG Catalog](#) > [School of Allied Health Sciences](#) > [Physician Assistant](#) > [Admission Requirements](#)

## School of Allied Health Sciences: Physician Assistant

### Admission Requirements

**A Bachelor's Degree is Not Required for the MPA Degree.**

### Transfer Credit Policy

There is no advanced placement, transfer of credit (except for 90 semester hours of prerequisites at an accredited college or university) or credit for experiential learning allowed. Previous medical professions course work will not be accepted toward completion of the MPA degree. It is important that our students are exposed to specific course content. To ensure this, only courses taught within our curriculum are accepted for credit toward graduation.

### General Admission Criteria

Admission is based on undergraduate college coursework including the overall, transfer, and math/science grade point averages. Other criteria include personal interviews, assessment of the applicant's motivation and the possession of the personal qualities needed to successfully complete the program. Prior to enrollment, the applicant must have:

1.
  1. A grade point average of at least 3.0 (on a 4.0 scale) on all previous college work and an average of at
  2. least 2.8 on math and science courses.
2. Completed 90 semester hours of prerequisites at an accredited college or university.
3.
  1. A minimum combined GRE score of 900 is needed for full admission. The results of all three components,
  2. including the analytical/written section of the general GRE exam must be provided.
4. A minimum of 100 hours of health care experience or volunteer activities.
5.
  1. Observed physician assistants in a variety of PA clinical settings (more than two).
6.
  1. Three references that focus on the applicant's generic abilities for clinical work rather than just their

2. academic ability—one of which must be from a physician assistant that indicates PA contact. Having at
3. least one reference from a physician assistant from each of the clinical settings observed by the applicant
4. is highly recommended.

### **Mandatory Course Prerequisites Include:**

- 7. General Chemistry I and II (Labs required)
- 7. Biology I and II (Labs required)
- Human Anatomy and Physiology (Lab required)
- General Psychology
- 1. Organic Chemistry I (Lab required)
- Statistics
- 1. Microbiology w/lab
- Interviews are by invitation only.
- - Preference is given to residents of Georgia and to residents of states with no Physician Assistant
  - Program.
- Applicants whose first language is not English must submit official TOEFL scores. A minimum TOEFL score of 250 on the computer-based exam or 600 on the paper exam and a minimum score of 50 on the TSE-P are required for admission consideration. The TSE-A exam scores will not be accepted. Applicants must take both the TOEFL and the TSE-P by October 15 to be considered for admission the following year.

7.

The Admissions Committee selects the applicants who seem best qualified for the program from among those who apply and submit all required documentation. Applications must be postmarked by October 15, but earlier application is encouraged.

### **Prerequisites for the Master's Physician Assistant Program**

The prerequisite courses required to apply to MCG Master of Physician Assistant Program comprise a core curriculum divided into seven categories (Areas A-G). The courses acceptable to meet the requirements of each category are listed below. **(back to top)**

<b>A. Essential Skills</b>	9 semester hours
<ul style="list-style-type: none"> <li>• English Composition I (3 hours)</li> <li>• English Composition II-Literature based (3 hours)</li> <li>• College Algebra, Mathematical Modeling, Trigonometry, Pre-Calculus or Calculus (3 hours)</li> </ul>	
<b>B. Professional Skills</b>	4 - 5 semester hours
<ul style="list-style-type: none"> <li>• Critical Thinking</li> <li>• Creative Writing</li> <li>• Ethics</li> <li>• Health and Wellness</li> <li>• Economics</li> <li>• Speech</li> <li>• Any approved guided elective from Area F</li> </ul>	
<b>C. Humanities and Fine Arts</b>	6 semester hours
<ul style="list-style-type: none"> <li>• Ethics</li> <li>• Fine and Applied Arts</li> <li>• Foreign Language</li> <li>• Speech, Oral Communications</li> <li>• World Literature</li> <li>• Philosophy</li> <li>• Drama, Art or Music Appreciation</li> <li>• Logic</li> <li>• Electives in Humanities and Fine Arts</li> </ul>	
<b>D. Science, Mathematics and Technology</b>	10 - 11 semester hours
<ul style="list-style-type: none"> <li>• Additional courses in science, mathematics or technology to meet this requirement.</li> </ul>	

<b>E. Social Sciences</b>	<b>12 semester hours</b>
<ul style="list-style-type: none"> <li>• United States History</li> <li>• Sociology</li> <li>• Anthropology</li> <li>• Group Process</li> <li>• Social Problems</li> <li>• Racial and Ethnic Minority Groups</li> </ul>	
<b>F. Courses Required for Major</b>	<b>34 semester hours</b>
<ul style="list-style-type: none"> <li>• Biology I and II – Labs Required (8 hours)*</li> <li>• General Chemistry I and II - Labs Required (8 hours) *</li> <li>• Organic Chemistry I - Lab Required (4 hours) *</li> <li>• Microbiology - Lab Required (4 hours) *</li> <li>• Human Anatomy and Physiology - Lab Required (4 hours) *</li> <li>• Statistics (3 hours) *</li> <li>• General Psychology (3 hours) *</li> </ul>	
<b>G. Guided Electives for Major</b>	<b>15 semester hours</b>
<p>Guided electives in any basic science which may include: Comparative Vertebrae Anatomy, Organic II, Histology, Biochemistry, Evolution, Human Growth and Development, Abnormal Psychology, Cell and Molecular Biology, Genetics, Embryology or Physics</p>	

\* These courses are MANDATORY.

\*\* Students may take any other science course to satisfy the remaining hours in this section.

# MCG CATALOG

MCG Catalog > School of Allied Health Sciences > Physician Assistant > Ability and Technical Standards

## School of Allied Health Sciences: Physician Assistant

### Ability and Technical Standards

The MCG PAD will consider for admission any applicant who meets academic criteria, and demonstrates the ability to perform or to learn to perform the skills listed in this document, with or without reasonable accommodations consistent with the Americans with Disabilities Act, Civil Rights Restoration Act, and Section 504 of the Rehabilitation Act. Any applicant with questions about these technical requirements is strongly encouraged to discuss the issue with the [Office of Student Affairs](#) prior to the interview process.

A student in the Physician Assistant Program must have adequate abilities and skills in the following five areas: 1) Observation; 2) Communication; 3) Sensory and Motor Function; 4) Conceptual, Integrative and Quantitative Ability; and, 5) Behavior and Social Attributes as detailed below.

#### **1. Observation:**

The student must be able to observe demonstrations and conduct experiments on the basic sciences, including but not limited to chemical, biological, anatomic and physiologic sciences, microbiologic cultures, and microscopic studies of microorganisms. A student must be able to observe a patient accurately at a distance and close at hand. Observation necessitates the functional use of the sense of vision and other sensory modalities. A student must be able to integrate all information visually and through the other senses.

#### **2. Communication:**

A student must be able to communicate effectively, sensitively, and rapidly in English with patients and members of the health care team. A student must be able to elicit information from patients, perceive nonverbal communications, and describe changes in mood, activity and posture. Communication includes not only speech, but writing, reading, interpreting graphs and computer literacy.

#### **3. Sensory and Motor Function:**

The student must have sufficient sensory and motor function to elicit information from patients by palpation, auscultation, percussion, and other diagnostic maneuvers. The student will be required to coordinate both gross and fine muscular movements, equilibrium, and functional use of the senses of hearing, touch and vision.

More specifically, the student must be able to exercise such fine motor skill as to adequately perform laboratory tests, including but not limited to, wet mount, urinalysis and gram stain. The student must exercise such level of dexterity, sensation and visual acuity as to accurately complete such processes as administering intravenous medication, making fine measurements of angles and size, measuring blood pressure, respiration and pulse, performing physical examinations, and performing therapeutic procedures such as suturing and casting.

The student must be able to hear sufficiently to accurately differentiate percussive notes and auscultory findings, including but not limited to heart, lung, and abdominal sounds, as well as discern normal and abnormal findings using instruments such as tuning forks, stethoscopes, sphygmomanometers, and Doppler devices.

A student must be able to transport himself or herself in a manner which provides timely response in both general and emergency care situations. Moving patients and engaging in some procedures such as CPR will require a necessary level of strength.

#### **4. Intellectual, Conceptual, Integrative and Quantitative Abilities:**

A student must have the intellect necessary to quickly analyze and resolve problems. These intellectual abilities include long and short term memory, numerical recognition, measurement, calculations, reasoning, analysis judgment and synthesis. The student must be able to identify significant findings from the patient's history, the physical examination and laboratory data, provide a reasoned explanation for likely diagnoses, and choose appropriate medications and therapy.

The ability to incorporate new information from many sources in formulating diagnoses and plans is essential. Good judgment in patient assessment, diagnostic and therapeutic planning is primary. When appropriate, students must be able to identify and communicate the limits of their knowledge to others.

#### **5. Behavioral and Social Attributes:**

A student must possess the emotional health required for full use of his or her intellectual abilities, the exercise of good judgment and the prompt completion of all responsibilities attendant to the diagnosis and care of patients. The development of mature, sensitive effective and professional relationships with patients and members of the health care team is essential. Students must be able to tolerate physically taxing workloads and to function effectively under stress. They must be able to adapt to changing environments, to display flexibility and learn to function in the face of uncertainties inherent in the clinical problems of many patients. Compassion, integrity, interpersonal skills, interest and motivation are all personal qualities that are desired on a health professional and assessed during the admissions and education process.

# MCG CATALOG

[MCG Catalog](#) > [School of Allied Health Sciences](#) > [Physician Assistant](#) > [Curriculum](#)

## School of Allied Health Sciences: Physician Assistant

### CURRICULUM

The curriculum of the Department of Physician Assistant as presented below can be completed during 24 consecutive months. Due to the dynamic nature of the profession, required courses and clinical rotations may change. Curricular changes may result in additional requirements. Students are responsible for completion of all requirements deemed appropriate by the faculty. The program is conducted as a sequence of three phases; Phase I is the only period of training which is completed entirely on the MCG campus.

All students must be prepared to travel to facilities in Georgia and South Carolina during clinical training in the second year. Financial assistance for these additional expenses cannot be guaranteed.

The first year consists of both basic science and clinically related didactic courses. It is provided during the summer, fall and spring semesters of the first year. All courses are required and must be successfully completed prior to beginning the clinical phase of training.

<b>Summer</b>		<b>Credit Hours</b>
ANM 6510	Systemic Anatomy	5
PHAS 5025	Intro to Clinical Medicine	2
PHAS 5015	Medical Communications	2
PHAS 5010	Medical Terminology	1
PHAS 5100	Ethics and Professional Practice Issues	1
PHAS 5020	Genetics	1
PHAS 5315	Applied Clinical Physiology II	1
PHAS 5030	Medical Spanish and Cultural Competency	1
<b>Semester Total</b>		<b>14</b>
<b>Fall</b>		
PHY 7110	Principles of Human Physiology	3
STAT 6300	Introduction to Epidemiology & Biostatistics	3
PHAS 5115	Physical Assessment	3



PHAS 5120	Principles of Pharmacology	3
PHAS 5130	Clinical Medicine I	6
PHAS 5140	Clinical Skills Integration & Application I	1
	<b>Semester Total</b>	<b>19</b>
<b>Spring</b>		
PHAS 5200	Behavioral Medicine	2
PHAS 5210	Pharmacotherapeutics I	3
PHAS 5220	Clinical Medicine II	14
PHAS 5225	Applied Clinical Physiology I	1
PHAS 5230	Clinical Skills Integration & Application II	1
	<b>Semester Total</b>	<b>21</b>
<b>Summer</b>		
PHAS 5300	Pharmacotherapeutics II	3
PHAS 5310	Clinical Medicine III	10
PHAS 5320	Emergency Medicine	2
PHAS 5330	Surgery	2
PHAS 5340	Clinical Skills Integration & Application III	1
PHAS 5350	Evidence-Based Medicine II / Research Methods	1
	<b>Semester Total</b>	<b>19</b>
<b>Fall</b>		
PHAS 6010	Internal Medicine & Critical Care Practicum	6
PHAS 6020	Surgery Practicum	4
PHAS 6025	Orthopedics Practicum	4
PHAS 6030	Family Practice Practicum	6
	<b>Semester Total</b>	<b>20</b>
<b>Spring</b>		
PHAS 6040	Emergency Medicine Practicum	4
PHAS 6050	Pediatrics Practicum	4
PHAS 6060	Behavioral Medicine Clinical Practicum	4
PHAS 6070	OB/GYN Practicum	4
	<b>Semester Total</b>	<b>16</b>
<b>Summer</b>		
PHAS 6080	Preceptorship	4
PHAS 6090	Elective Clinical Practicum	4

PHAS 6100	Research or Community Service Learning Project & Teaching Practicum	4
	<b>Semester Total</b>	<b>12</b>
	<b>PROGRAM TOTAL</b>	<b>121</b>

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# MCG CATALOG

[MCG Catalog](#) > [School of Allied Health Sciences](#) > [Respiratory Therapy](#)

## School of Allied Health Sciences: Respiratory Therapy

- [Admissions Requirements](#)
- [Degree Requirements](#)
- [Curriculum](#)
- [Course Descriptions \(PDF\)](#)

### RELATED LINKS

- [Department of Respiratory Therapy Home Page](#)
- [Student Handbook \(PDF\)](#)

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# MCG CATALOG

## School of Allied Health Sciences: Respiratory Therapy

### General Admission Criteria

#### Traditional 2+2 Transfer Program

Admission is based on the applicant's prior academic performance at the college level, personal interviews, and assessment of personal qualities needed to successfully complete the program.

1. Prior to enrollment, the applicant must have completed a [core curriculum](#) of 60 semester hours at another accredited college or university.
2. A grade point average of at least 2.5 (on a 4.0 scale) on all previous college work and an average of at least 2.5 on math and science courses are required for consideration.
3. Two letters of recommendation are required.
4. Interviews are by invitation only.
5.
  1. Current CPR and first aid certification is required prior to enrollment. CPR for Professional Rescuers is strongly recommended.
6. Applicants are required to shadow respiratory therapists at health care facilities in their area to increase their awareness of the profession.
7.
  1. Applicants whose first language is not English must submit official [TOEFL](#) scores. A minimum score of 213 on the computer-based exam or 550 on the paper exam is required for admission consideration.

The Admissions Committee selects the applicants who seem best qualified for the program from among those who apply. Application forms are available from the [Office of Academic Admissions](#).

Applications for admission are encouraged by April 1, but will continue to be processed until the class has been filled or until July 1, whichever comes sooner.

#### Program for Advanced Career Track (ACT) Registered Respiratory Therapists

Admission is based on the applicant's prior academic performance at the college level and personal interviews.

1. Prior to enrollment, the applicant must have completed a [core curriculum](#) of 60 semester hours at another accredited college or university.

2. A grade point average of at least 2.5 (on a 4.0 scale) on all previous college work and an average of at least 2.5 on math and science courses are required for consideration.
3. Two letters of recommendation are required.
4. Interviews are by invitation only.
5.
  1. Current CPR and first aid certification is required prior to enrollment. CPR for Professional Rescuers is strongly recommended.
6. Proof of NBRC credentials as a Registered Respiratory Therapist (RRT).
7.
  1. Applicants who first language is not English must submit official TOEFL scores. A minimum score of 550 is required for admission consideration.

The Admissions Committee selects the applicants who seem best qualified for the program from among those who apply. Application forms are available from the [Office of Academic Admissions](#). Applications must be received no later than 60 days prior to the registration date of the first semester.

**Technical Standards  
for Admission to and Graduation from  
Department of Respiratory Therapy**

Respiratory Therapy is a profession requiring manual skills in concert with a broad range of cognitive capabilities. Collection, evaluation and synthesis of data are vital to this discipline.

The therapeutic modalities provided by respiratory care practitioners require technical skills involving manual dexterity and a mechanical aptitude to perform in a safe and acceptable manner. Respiratory Therapists must be mobile and have the ability to operate in relatively small spaces. These requirements are necessary because of the critical and accurate care that is often provided in crisis situations.

The respiratory care practitioner must possess auditory capabilities that will allow him/her to discriminate sounds in order to assess the proper functioning of life support equipment. The therapist must be capable of ascertaining breath sounds and pulse sounds through the use of a stethoscope and blood pressure equipment.

The respiratory care practitioner must possess adequate vision to assess the proper functioning of life support equipment and to collect and interpret patient physiological parameters in order to direct and guide a successful treatment plan.

The respiratory care practitioner must have manual dexterity to:

- Draw venous and arterial blood
- Perform endotracheal suctioning
- Perform manual resuscitation (CPR) in the event of a cardiac emergency
- Maintain and modify equipment in routine emergency situations
- 1. Be able to move life support equipment in a rapid manner during a crisis situation
- Be sensitive to changes in pressure when performing emergency breathing with a manual resuscitator in the newborn and small infant as compared to the adult victim
- 1. Tactile sensitivity required to perform arterial puncture on the newborn and small infant

The respiratory care practitioners must have the ability to work under stress, manage time efficiently, exercise independent judgment and assume responsibility for their own work and actions. They must be able to read and interpret written and verbal instructions and take appropriate action. It is important that the respiratory care practitioner be able to communicate and maintain professional relationships with peers, patients, and physicians. It is also important that they think logically and process information quickly to solve clinical problems.

They must exercise ethical judgment, integrity, honesty, dependability and accountability in the classroom and clinical situations.

The Department of Respiratory Therapy, Medical College of Georgia makes every effort to provide the physically compromised student the opportunities to learn and develop into a safe, rational respiratory care practitioner. It is incumbent upon the student to realize that certain manual, technical, and professional tasks must be mastered in order to achieve passing grades and to successfully complete the respiratory therapy curriculum.

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# MCG CATALOG

[MCG Catalog](#) > [School of Allied Health Sciences](#) > [Respiratory Therapy](#) > [Degree Requirements](#)

## School of Allied Health Sciences: Respiratory Therapy

### Academic Promotion and Graduation

Final grades for academic courses and modules taught by the respiratory therapy faculty are given on an A, B, C, or F scale. The grade of D is not acceptable in any course taught by MCG faculty.

Students must meet the minimum level of proficiency established for each course or module. Minimal level of proficiency is set at 75 percent level of correct responses in written, oral and/or practical examination plus satisfactory completion of other course requirements. This applies to courses taught by the respiratory therapy faculty.

Satisfactory progress through the curriculum depends on satisfactory completion of each course/module at the time the course/module is offered.

Incomplete (I) may be given in any course or module under extenuating circumstances at the discretion of the instructor(s). These must be made up in accordance with MCG policy.

A student who earns a grade of F in any course or module is subject to dismissal from the program.

#### Academic Standards

The Department of Respiratory Therapy reserves the right to place a student on departmental probation and to deny permission to continue enrollment in the Department of Respiratory Therapy if, in the opinion of the faculty, the student's knowledge, clinical performance, character or mental or physical fitness cast grave doubts upon his potential capacities as a respiratory therapist.

#### Graduation Requirements

The faculty of the Department of Respiratory Therapy make recommendations for graduation based on a student's ability to develop qualities considered essential for the profession. In addition, the student must pass comprehensive written examinations.

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# MCG CATALOG

MCG Catalog > School of Allied Health Sciences > Respiratory Therapy > Curriculum

## School of Allied Health Sciences: Respiratory Therapy

### Curriculum

#### Bachelor of Science in Respiratory Therapy

##### Junior Year

##### *Fall*

##### *Credit Hours*

RESP 3110	Applied Physiology for Resp. Care	4-0-0-4
RESP 3199	Medical Terminology	1-0-0-1
RESP 3204	Fundamentals of Resp. Care Practice I	4-0-0-4
RESP 3208	Fundamentals of Resp. Care Prac. I Lab	0-4-0-2
RESP 3211	Introduction to PBL	0-3-0-1
RESP 4540	Research in Respiratory Care	2-2-0-2
AHS 3610	Ethics for Allied Health	3-0-0-1

##### *Spring*

RESP 3304	Fundamentals of Resp. Care Practice II	2-0-0-2
RESP 3308	Fundamentals of Resp. Care Prac. II Lab	0-2-0-1
RESP 3311	Cardiopulmonary Pathophysiology I	0-8-0-4
RESP 3314	Advanced Respiratory Care Techniques	4-0-0-4
RESP 3317	Advanced Respiratory Care Lab	0-3-0-1
RESP 3325	Clinic I	0-0-8-4

##### Senior Year

##### *Summer*

RESP 3206	Geriatrics and Pulmonary Rehab	2-0-0-2
RESP 3212	Respiratory Care Pharmacology	3-0-0-3
RESP 4114	Introduction to Ventilator Management	2-0-0-2
RESP 4117	Intro. to Ventilator Management Lab	0-3-0-1
RESP 4124	Newborn and Pediatric Respiratory Care	3-0-0-3
RESP 4127	Newborn and Pediatric Resp. Care Lab	0-2-0-1
RESP 4426	Clinic II	0-0-8-1

**Fall**

RESP 4411	Cardiopulmonary Pathophysiology II	0-6-0-3
RESP 4427	Clinic III	0-0-8-1
RESP 4428	Clinic IV	0-0-12-6
RESP 4514	Adv. Ventilator Mgt. Techniques	2-0-0-2
RESP 4517	Adv. Ventilator Mgt. Techniques Lab	0-4-0-2

**Spring**

RESP 4412	Clinical Presentations	1-4-0-2
RESP 4429	Clinic V	0-0-8-1
RESP 4430	Clinic VI	0-0-12-2
RESP 4431	Clinic VII	0-0-40-3
RESP 4650	Respiratory Care Seminar	30-0-0-2
AHS 3360	US Health Care Delivery	3-0-0-1

**Total Hours** **70**

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# MCG CATALOG

[MCG Catalog](#) > [School of Allied Health Sciences](#) > [Respiratory Therapy](#) > [MHE Program](#)

## School of Allied Health Sciences: Respiratory Therapy

### Master of Health Education Program

The Master of Health Education Program is designed for allied health and related health professionals. The program is interdisciplinary and prepares individuals for careers as academic or clinical educators and more highly skilled practitioners. While the program does require completion of a project, the program does not require completion of a thesis. A Graduate Record Examination score of 1000 (combined verbal and quantitative) is required for admission.

The Master of Health Education is primarily designed for individuals with a bachelors degree and national respiratory therapy credentials, however, opportunity exists for selected students with a non-professional bachelor degree to concurrently enroll in the Bachelor of Science Traditional 2+2 Transfer Program.

Students eligible for this program will enroll in both the undergraduate and graduate programs and must meet entry requirements for both schools. Upon successful completion of the Traditional 2+2 requirements, the student will be awarded a Bachelors Degree in Respiratory Therapy and will be eligible to sit for the national credential exams. The student will continue in the graduate program and will be awarded a Master of Health Education Degree upon completion of all the School of Graduate Studies requirements.

Completion of the MHE program will typically take 2 to 3 semesters beyond the Traditional 2+2 Program.

Admission to the School of Graduate Studies is subject to the discretion of the Dean, following recommendation by the Department of Respiratory Therapy Admissions Committee. A personal interview is required by the department, following receipt of all application materials. Students may be admitted to begin studies at the beginning of any semester. The application deadline is six weeks prior to the beginning of the term in which the student wishes to matriculate.

Admission to the Master of Health Education Program requires direct inquiry to the School of Graduate Studies, CB-1801, Medical College of Georgia, Augusta, GA 30912, or you may contact R. Randall Baker, PhD, RRT, Associate Professor and Interim Departmental Chairperson, at [rabaker@mcg.edu](mailto:rabaker@mcg.edu).

### Master of Health Education

Visit this page for information about the educational degree program for allied health and related professionals.

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# MCG CATALOG

[MCG Catalog](#) > [School of Allied Health Sciences](#) > [Physical Therapy](#)

## School of Allied Health Sciences: Physical Therapy

### Doctor of Physical Therapy

- ▣ [Admissions Requirements](#)
  - [Degree Requirements \(see Student Handbook\)](#)
  - [Curriculum](#)
  - [Course Descriptions \(PDF\)](#)

### RELATED LINKS

- ▣ [Department of Physical Therapy Home Page](#)
  - [Student Handbook \(PDF\)](#)
  - [Physical Therapy Faculty & Staff](#)

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# MCG CATALOG



## School of Allied Health Sciences: Physical Therapy

### Admissions Process

The Doctor of Physical Therapy program at the Medical College of Georgia uses a rolling admissions process that begins August 1 and ends December 15. Under this process applications are considered as soon as they are complete. Completed applications must include all official transcripts, completed reference forms, and official GRE score reports. Well qualified applicants will be invited to Augusta for interviews. Admissions decisions will generally be made within two weeks of the interview date. The best qualified candidates will be offered either a full or contingent admission until the class is fully enrolled. A waiting list of otherwise qualified applicants will be maintained. The Doctor of Physical Therapy program is limited to an enrollment of 36 students/class year. **It is in an applicant's interest to apply at the earliest possible date and we strongly encourage you to do so.**

### Required Prerequisite Courses

Prerequisites include 1 year (2 semesters) of physics (w/lab); 1 year of anatomy and physiology (w/lab), 1 year of chemistry (w/lab); one course in Biology with lab; and one course in statistics. Knowledge of human behavior from an individual and societal perspective is required, as evidenced by completing at least two courses in the social sciences. We strongly recommend abnormal psychology, human growth and development, and developmental psychology.

**Students must earn a grade of C or higher in all prerequisite courses.**

### Minimum Requirements:

- Baccalaureate degree in a discipline other than physical therapy.
- Minimum 3.0 (out of 4.0) GPA overall or 3.4 in last 40 hours of undergraduate coursework.
- ▣ A combined (verbal and quantitative) GRE score of 1000 and minimum score of 400 on each section is required for full admission. Otherwise qualified applicants who achieve a combined GRE Score 900-1000 may be considered for provisional admission if space allows.
- ▣ 100 hours of observational, volunteer or other work experiences in physical therapy settings. We strongly recommend experiences in both inpatient and outpatient environments in order to appreciate the differences in physical therapists' responsibilities in each setting.
- 1. Basic understanding of medical terminology is required as part of the physical therapy curriculum. This requirement can be met by taking a course prior to enrollment or by completion of a self-paced text during the first semester.

### Additional requirements:

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 effect **communication** with patients, colleagues, instructors and other members of the health care 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 health care practice.
- 
1. **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.

The faculty of the Department of Physical Therapy acknowledge Section 504 of the Rehabilitation Act of 1973 and PL 103-336, The [Americans with Disabilities Act](#) and will consider for admission, promotion and graduation candidates who demonstrate the ability to perform the essential skills listed in the department's [technical standards document](#). These standards are admission guidelines and are subject to continuing revision and improvement.

# MCG CATALOG

[MCG Catalog](#) > [School of Allied Health Sciences](#) > [Physical Therapy](#) > [Curriculum](#)

## School of Allied Health Sciences: Physical Therapy Curriculum

### Doctor of Physical Therapy

#### Year One

##### Summer

Anatomy (60 hours)	4
Evidence Based Practice (60 hours)	3
Practice Expectations 1 (22 hours)	1
General Concepts of Patient Management 1 (60 hours)	3

##### Fall

Physiology (90 hours)	6
Foundations of PT (135 hours)	6
General Concepts of Patient Management 2 (60 hours)	3
Practice Expectations 2 (22 hours)	1
Research 2 (30 hours)	1

##### Spring

Orthopaedics 1 (135 hours)	6
Medical Conditions 1 (135 hours)	6
Practice Expectations 3 (45 hours)	2
Research 3 (45 hours)	2

#### Year Two

##### Summer

Orthopaedics 2 (60 hours)	3
Clinical Education (8 weeks)	8

##### Fall

Medical Conditions 2 (105 hours)	4
Medical Conditions 3 (135 hours)	6

Applied Neuroscience (74 hours)	4
Practice Expectations 4 (22 hours)	1
Research 4 (30 hours)	1
<b>Spring</b>	
Management (90 hours)	4
Neuromuscular (180 hours)	8
Practice Expectations 5 (22 hours)	1
Research 5 (30 hours)	1
<b>Year Three</b>	
<b>Summer</b>	
Medical Conditions 4 (30 hours)	1
Pediatrics (74 hours)	4
Integrated Patient Management (65 hours)	3
Research 6 (30 hours)	1
Practice Expectations 6 (15 hours)	1
<b>Fall</b>	
Clinical Education	16
<b>Spring</b>	
Clinical Education	12
Elective	4
<b>Total Credit Hours</b>	<b>127</b>

# MCG CATALOG

[MCG Catalog](#) > [School of Allied Health Sciences](#)

## **School of Allied Health Sciences - Physical Therapy**

### Philosophy

Since its founding in 1970, the physical therapy department at the Medical College of Georgia has been committed to an educational philosophy of student centered learning. We believe the maintenance and growth of the learning environment is the responsibility of both the faculty and the student. Student participation is facilitated through a friendly learning environment with stated outcomes that are clear and concise.

Each faculty member and student actively participates in the teaching and learning process. In addition to curricular and instructional responsibilities, faculty members strive to provide students with role models of scholarly practitioners, nationally recognized researchers, and skillful educators. As partners in the professional education experience, students may be asked participate in curriculum development, evaluation, and improvement activities within the Department.

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# MCG CATALOG

[MCG Catalog](#) > [School of Allied Health Sciences](#) > [Occupational Therapy](#)

## School of Allied Health Sciences: Occupational Therapy

### Master of Health Science in Occupational Therapy

- ▣ [Admissions Requirements](#)
  - [Degree Requirements](#)
  - [Curriculum](#)
  - [Course Descriptions \(PDF\)](#)

### RELATED LINKS

- ▣ [Department of Occupational Therapy Home Page](#)
  - [Physical Therapy Faculty & Staff](#)

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# MCG CATALOG

[MCG Catalog](#) > [School of Allied Health Sciences](#) > [Occupational Therapy](#) > [Admissions Requirements](#)

## School of Allied Health Sciences: Occupational Therapy

### GENERAL ADMISSION CRITERIA

Admission is based on the applicant's prior academic performance at the college level, an assessment of related experience, references assessing work related skills, writing skills and personal qualities needed to successfully complete the program.

- Prior to enrollment, the applicant must have completed 90 prescribed prerequisite semester hours at another accredited college or university.
- A grade point average of at least 3.0 (on a 4.0 scale) on all previous college work and an average of at least 2.5 on math and science courses are required for consideration.
- A minimum score of 900 (combined verbal and quantitative) is required on the Graduate Record Examination (GRE).
- Three letters of recommendation are required.
- 1. Interviews are by invitation only.
- Applicants whose first language is not English must submit official TOEFL scores. A minimum score of 213 on the computer-based exam or 550 on the paper exam is required for admission consideration.

### Application Procedures

The Admissions Committee selects the applicants who seem best qualified for the program from among those who apply. Application forms are available from the [Office of Academic Admissions](#).

Completed applications received by February 15 will be given priority consideration. Applications will continue to be processed until the class has been filled. Earlier application is strongly encouraged as interviews are conducted in the spring.

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# MCG CATALOG

[MCG Catalog](#) > [School of Allied Health Sciences](#) > [Occupational Therapy](#) > [Degree Requirements](#)

## **School of Allied Health Sciences: Occupational Therapy** Degree Requirements

A student who earns less than a C in any course may be suspended. A student suspended for academic reasons may reapply following standard admission procedures.

Graduation requirements include completion of all required courses, successful completion of 24 weeks of Level II fieldwork experience, passing the Regents Examination, payment of all fees and completion of the departmental exit exam.

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# MCG CATALOG

MCG Catalog > School of Allied Health Sciences > Occupational Therapy > Curriculum

## School of Allied Health Sciences: Occupational Therapy Curriculum

### 3+6 Semester

#### *First Year*

##### *Fall*

		<b>Credit Hours</b>
OTHP 6103	Professional Foundations and Therapeutic Occupation	2
OTHP 6304	Applied Concepts of Wellness & Illness	3
OTHP 6104	Models of Reasoning	3
SAHS 6501	Evidenced Based Practice	2
OTHP 6106	Development of Lifespan Occupations	3
OTHP 6000	Fieldwork	1
	<b>Semester Total</b>	<b>14</b>

##### *Spring*

OTHP 6204	Movement Analysis	3
OTHP 6205	Applied Kinesiology	4
SAHS 7705	Neuroscience Application	3
OTHP 6313	Mental Health Programming	3
OTHP 6203	Assistive Technology & Occupational Adaptations	3
OTHP 6001	Fieldwork	1
	<b>Semester Total</b>	<b>17</b>

##### *Summer*

AMNT 6500	Musculoskeletal Anatomy	4
SAHS 6503	Research Process	3
OTHP 6343	Adult Models of Practice	3
OTHP 7304	Contemporary Practice	2
OTHP 6300	Fieldwork	1
	<b>Semester Total</b>	<b>13</b>

**Second Year****Fall**

OTHP 6608	Worker Role & Ergonomics	3
OTHP 6606	Adult Evaluation and Intervention	5
OTHP 6604	Pediatric Evaluation & Intervention	3
SAHS 6524	Project Development	2
OTHP 6300	Fieldwork	2
<b>Semester Total</b>		<b>15</b>

**Spring**

OTHP 6454	Schools Systems	3
OTHP 7009	Fieldwork Experience II A	9
OTHP 7010(CP)	Fieldwork	0
	Elective Options from Graduate Track (variable credits)	2-4
<b>Semester Total</b>		<b>12+</b>

**Summer**

OTHP 6708	Professional Issues & Service Management	3
SAHS 7523	Research Project	3
OTHP7010CP	Fieldwork Experience B	9
	Electives Options	0-4
<b>Semester Total</b>		<b>15+</b>
<b>PROGRAM TOTAL</b>		<b>86+</b>

# MCG CATALOG

[MCG Catalog](#) > [School of Allied Health Sciences](#) > [Medical Illustration](#)

## **School of Allied Health Sciences: Medical Illustration**

Direct links to specific pages outside of the Catalog are provided here for your convenience.

### Master of science in medical illustration

- [Medical Illustration Home Page](#)
- [Admission Requirements](#)
- [Curriculum](#)
- [Course Descriptions \(PDF\)](#)

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# MCG CATALOG

## School of Allied Health Sciences: Course Descriptions Fall 2007

Department	Course Subject	Course No.	Course Title	Course Description	Credit Hrs.	Bill Hrs.	Lecture Hrs.	Lab Hrs.	Other Hrs.
Allied Health Sciences	SAHS	4451	Child Life Clinic I	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 health care experiences and associated coping processes, parental interactions, and children's understanding of illness/death.	10	10	3	27	0
Allied Health Sciences	SAHS	4452	Child Life Internship	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.	10	10	2	20	-
Allied Health Sciences	SAHS	4453	Life Learning Fam Environment	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.	1	1	1	0	39
Allied Health Sciences	SAHS	7003	Teaching Practicum	Develops the student's teaching skills in classroom and clinical setting. The overall goal is to enhance the impact the graduate student has on his/her students in attitudes, skills and content knowledge. The student is expected to use content from previous courses such as: curriculum development and measurement and evaluation.	1	1			

Allied Health Sciences	SAHS	7005	The Adult as Learner	Assists health care 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.	3	3	3		
Allied Health Sciences	SAHS	9200	Special Project		1	1	0	0	0
Allied Health Sciences	SAHS	9210	Investigation of a Problem		1	1	0	0	0
Biomed and Radiologic Tech	BCMB	3450	Survey of Biochemistry	A study of the chemical principles of living organisms. Includes the structure of biomolecules, energy-yielding processes, energy-requiring processes and transfer of genetic information. Prerequisite: Survey course in inorganic and organic chemistry.					
Biomed and Radiologic Tech	CLSC	3200	Library Research	Introduces the student to the use of a medical library through preparation and presentation of clinical laboratory topics.	1	1	0	0	2
Biomed and Radiologic Tech	CLSC	3240	Basic Prof Concep	Provides an introduction to the clinical pathology laboratory. The course will also cover safety, blood collection, ethics, microscopy, quality assurance, and quality control. Topics in hematology, immunology, chemistry, immunochemistry, and microbiology will be introduced.	2	2	2	0	0
Biomed and Radiologic Tech	CLSC	3250	Basic Prof Concepts Lab	Provides fundamental knowledge and technical skills necessary for student laboratory exercises and clinical experience. Lab exercises develop manual dexterity and integrate basic concepts of laboratory testing. Covers basic hematology, immunology, chemistry, immunochemistry, and microbiology testing.	3	3	0	9	0

Biomed and Radiologic Tech	CLSC	3280	Junior Clinical Practice	Students gain experience in a clinical laboratory setting, apply theory and skills acquired during two semesters of the junior year in a work environment, create a daily journal and present a final report. Prerequisite: Satisfactory completion of Junior courses Fall semester ( C grade or better)	1	1	0	0	3
Biomed and Radiologic Tech	CLSC	3441	Clinical Microbiology I	An introduction to the clinically relevant microorganisms through lecture, written assignments, and library projects.	1	1	0	0	2
Biomed and Radiologic Tech	CLSC	3442	Clinical Microbiology I	An introduction to the clinically relevant microorganisms through lecture, written assignments, and library projects.	1	1	0	0	2
Biomed and Radiologic Tech	CLSC	3443	Clinical Microbiology I	An introduction to the clinically relevant microorganisms through lecture, written assignments, and library projects. Prerequisite: Successful completion of CLSC 3240 and CLSC 3250	2	2	2	0	0
Biomed and Radiologic Tech	CLSC	3450	Clin Microbiology I Laboratory	An introduction to the clinically relevant microorganisms through laboratory studies. Prerequisites: Successful completion of CLSC 3240 and CLSC 3250	1	1	0	4	0
Biomed and Radiologic Tech	CLSC	3460	Microbio Basic Lab Technique	This course includes basic microbiology analyses in didactic and lab experiences as prerequisite to clinical microbiology internship course.	3	3	0	4	0
Biomed and Radiologic Tech	CLSC	3540	Immunology	Study of cells and organs of immune system, humoral response, and cell-mediated immunity as well as immuno pathologies of hypersensitivity, auto immunity. Application to transplanted and tumor immunology. Prerequisites: Successful completion of CLSC 3240 and CLSC 3250	3	3	3	0	0



Biomed and Radiologic Tech	CLSC	3550	Immunology Laboratory	Laboratory exercises in the immynology laboratory will focus on antigen/antibody reactions to clinical diagnostic testing. Prerequisite: Successful completion of CLSC 3240 and CLSC 3250	1	1	0	4	0
Biomed and Radiologic Tech	CLSC	3641	Lab Math and Quality Control	Practical application of laboratory mathematics and its application in reagent preparation, dilution, and calculating the concentration of analyze, etc., basic statistics; quality assurance; method evaluation; reference ranges; and diagnostic sensitivity and specificity of a laboratory test. Basic laboratory principles, safety, and chemical hygiene plan. Prerequisite: Organic Chemistry for science majors	1	1	0	0	2
Biomed and Radiologic Tech	CLSC	3642	Lab Math and Quality Control	Practical application of laboratory mathematics and its application in reagent preparation, dilution, and calculating the concentration of analyze, etc., basic statistics; quality assurance; method evaluation; reference ranges; and diagnostic sensitivity and specificity of a laboratory test. Basic laboratory principles, safety, and chemical hygiene plan. Prerequisite: Organic Chemistry for science majors	1	1	0	0	2
Biomed and Radiologic Tech	CLSC	3643	Lab Math and Quality Control	Practical application of laboratory mathematics and its application in reagent preparation, dilution, and calculating the concentration of analyze, etc., basic statistics; quality assurance; method evaluation; reference ranges; and diagnostic sensitivity and specificity of a laboratory test. Basic laboratory principles, safety, and chemical hygiene plan. Prerequisite: Organic Chemistry for science majors	2	2	2	0	0

Biomed and Radiologic Tech	CLSC	3660	Chemistry Basic Lab Technique	The course includes basic clinical chemistry analyses in didactic and lab experiences as prerequisite to the clinical chemistry internship course.	3	3	0	4	0
Biomed and Radiologic Tech	CLSC	3760	Immuno-hematology Lab Tech	Basic immunohematology analyses in didactic and lab experiences as prerequisite to clinical immuno-hematology internship course.	3	3	0	4	0
Biomed and Radiologic Tech	CLSC	3841	Hematology Fluids Review	Study of blood cell derivation, maturation, variation, physiology, and function. Also, includes the study of the diagnostic value of urine and body fluids other than blood. Prerequisite: Admission into program or permission of instructor.	1	1	0	0	2
Biomed and Radiologic Tech	CLSC	3842	Hematology and Fluids Review	Study of blood cell derivation, maturation, variation, physiology, and function. Also, includes the study of the diagnostic value of urine and body fluids other than blood. Prerequisite: Admission into program or permission of instructor.	1	1	0	0	2
Biomed and Radiologic Tech	CLSC	3843	Clin Hematology and Fluid Analysis	Study of blood cell derivation, maturation, variation, physiology, and function. Also includes the study of the diagnostic value of urine and body fluids other than blood. Prerequisites: Successful completion of CLSC 3240 and CLSC 3250	2	2	2	0	0
Biomed and Radiologic Tech	CLSC	3850	Clin Hema Fluid Analysis Lab	Study of blood cell derivation, maturation, variation, physiology, and function using laboratory experiences in hematology. Also included is the study of the diagnostic value of urine and body fluids other than blood using basic chemical analysis and microscopic examination, with related laboratory exercises. Prerequisites: Successful completion of CLSC 3240 and CLSC 3250	1	1	0	4	0

Biomed and Radiologic Tech	CLSC	3860	Hematology Bas Lab Technique	The course includes basic hematology and fluid analysis in didactic and lab experiences as prerequisite to clinical hematology internship course	3	3	0	4	0
Biomed and Radiologic Tech	CLSC	4185	Venipuncture	Demonstration sessions covering safety and professionalism, venipuncture, capillary stick, blood culture collection, isolation/ universal precautions, patient relations, pediatric patient, and blood donor policies/ procedure. Clinical experience in in-patient, and out-patient areas.	1	1	0	0	2
Biomed and Radiologic Tech	CLSC	4320	Laboratory Management Theory	Provides an overview of management theory, management of human and financial resources and management of laboratory operations. Communication skills using a variety of methods, including World Wide Web are practiced. Provides background theory for Lab Management Project, CLSC 4380.	1	1	0	0	2
Biomed and Radiologic Tech	CLSC	4380	Lab Management Project	Provides an opportunity for students to apply management theory, management of human and financial resources and management of laboratory operations to a laboratory situation and practice communication skills using a variety of methods, including the Internet, and a final written project.	1	1	0	0	2
Biomed and Radiologic Tech	CLSC	4420	Clin Microbio II Lecture	Emphasis on microbial diseases, identification procedures, and epidemiological significance. Prerequisite: Successful completion of or concurrent enrollment in CLSC 3443 or successful completion of CLSC 3441	3	3	3	0	0
Biomed and Radiologic Tech	CLSC	4430	Clin Microbio II Lab	Emphasis on procedures and techniques used to isolate and identify clinically	3	3	0	6	0

important microorganisms. Prerequisite:  
Successful completion of CLSC 3450 or  
concurrent enrollment in CLSC 3443

Biomed and Radiologic Tech	CLSC	4480	Clin Microbiology Internship	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: Successful completion of CLSC 4420 and CLSC 4430 (for On-campus students), CLSC 3460 (for 2+2 internet students) or CLSC 3441 (for MLT internet).	2	2	0	0	11
Biomed and Radiologic Tech	CLSC	4485	Clinical Microbio Internship	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: Successful completion of CLSC 4420 and CLSC 4430.	2	2	0	0	11
Biomed and Radiologic Tech	CLSC	4500	Immunology Review	Review of immunological concepts, procedures, and methods in the context of medical laboratory testing.	2	2	0	0	4
Biomed and Radiologic Tech	CLSC	4509	Introduction to Immunology	Directed independent study course designed to provide students who do not have immunology prerequisite. Provide basic understanding of the structure and function of the human immune system. Areas of study include cells and organs of the immune system, cytokine functions, the humoral response, and cell-mediated immunity. Basic immunological testing techniques and principles are also covered.	1	1	0	0	2
	CLSC	4580		Clinical application and practice of	2	2	0	0	11

Biomed and Radiologic Tech

Clinical Immunology  
Internship

immunological testing. Theory, instrumentation, quality control, work organization, and data interpretation will be presented in the context of actual patient sample testing observed and/or conducted by students under the direct supervision of qualified clinical instructors. Prerequisite: Successful completion of CLSC 3540 and CLSC 3550 (for 2+2 on-Campus students), CLSC 4500 (for 4+1 and MLT on-campus students), CLSC 4509 (for MLT Internet students), CLSC 3560 (for 2+2 Internet students).

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Biomed and Radiologic Tech	CLSC	4585	Clinical Immunology Internship	Clinical application and practice of immunological testing. Theory, instrumentation, quality control, work organization, and data interpretation will be presented in the context of actual patient sample testing observed and/or conducted by students under the direct supervision of qualified clinical instructors Prerequisites: Successful completion of CLSC 3540 and CLSC 3550 (for 2+2 on-Campus students), or successful completion of CLSC 4500 (for 4+1 and MLT on-Campus students)	2	2	0	0	11
Biomed and Radiologic Tech	CLSC	4620	Clinical Chemistry II Lecture	Course provides theoretical knowledge of the principles of analytical techniques and procedures used in a clinical chemistry laboratory. Emphasizes biochemical aspects, clinical correlation and significance. Prerequisite: CLSC 3643 (for 2+2 On-Campus students), or CLSC 3641 (for 2+2 Internet and MLT Internet students), or concurrent enrollment in CLC 3643 (for 4+1 and MLT on-Campus students).	3	3	3	0	0

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Biomed and Radiologic Tech	CLSC	4630	Clinical Chem II Laboratory	Provides students with practical experience of various analytical techniques used in clinical chemistry laboratory, including major analytical techniques covered in spectrophotometric analysis of various analytes in blood. Students also prepare reagents, buffer solutions and standards for chemical analysis. Student will also perform electrophoretic and chromatographic techniques. Students will also learn point of care testing and cholesterol screening on patient samples. Prerequisite: Successful completion of CLSC 3643 (for 2+2 On-campus students), or concurrent enrollment in CLSC 3643 (for MLT On-Campus students and 4+1 students).	3	3	0	6	0
Biomed and Radiologic Tech	CLSC	4680	Clinical Chemistry Internship	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: Successful completion of CLSC 4620 and CLSC 4630 (for On-campus students), CLSC 3660 (for 2+2 Internet students), CLSC 3641 (for MLT Internet students).	2	2	0	0	11
Biomed and Radiologic Tech	CLSC	4685	Clinical Chemistry Internship	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: CLSC 4620 and CLSC 4630	2	2	0	0	11
Biomed and Radiologic Tech	CLSC	4720	Immuno-hematology	Application of basic immunological concepts to the study of red cell antigens and antibodies in relation to compatibility testing for transfusion of blood products. Prerequisite: Successful completion of CLSC 3643 (for 2+2 On-campus students), or concurrent enrollment in CLSC 3643 (for MLT On-Campus students and 4+1 students).	3	3	3	0	0

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. Prerequisites: Successful completion of CLSC 3540 and CLSC 3550 (for 2+2 On-Campus students), or concurrent enrollment in CLSC 4500 (for 4+1 and MLT on-campus programs), or successful completion of CLSC 4509 (for MLT Internet students), or successful completion of CLSC 4500 (for 2+2 Internet students).

Biomed and Radiologic Tech	CLSC	4730	Immuno-hematology Laboratory	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 properties. Prerequisites: Successful completion of CLSC 3540 and CLSC 3550 (for 2+2 on-campus students), or concurrent enrollment in CLSC 4500 (for 4+1 and MLT on-campus programs).	3	3	0	6	0
Biomed and Radiologic Tech	CLSC	4780	Clin immuno-hematology Intern	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. Prerequisites: Successful completion of CLSC 4720 and CLSC 4730 (for On-campus students), CLSC 3760 (for 2+2 Internet	2	2	0	0	11

students), CLSC 4509 (for MLT Internet students).

Biomed and Radiologic Tech	CLSC	4785	Clinical Immuno Internship	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. Prerequisites: Successful completion of CLSC 4720 and CLSC 4730.	2	2	0	0	11
Biomed and Radiologic Tech	CLSC	4800	Basic Hema Fluid Analysis	Introductory lecture/lab experiences in hematology and fluid analysis. Study of blood cell derivation, maturation, physiology, and function with emphasis on normal blood and bone marrow morphology. Urine and other body fluids examined using physical, chemical, and microscopic methods. Laboratory sessions develop skills in routine hematology and fluid analysis.	2	2	1	3	0
Biomed and Radiologic Tech	CLSC	4820	Advanced Hematology	Correlation of hematological and tests hemostasis with other clinical findings in the diagnosis of various blood dyscrasias and hemostatic disorders are discussed and emphasized with case study materials. Prerequisites: Biochemistry, CLSC 3843 and CLSC 3850 (for 2+2 On-Campus students), CLSC 3841 (for 2+2 Internet students and MLT Internet students), and concurrent enrollment in CLSC 4800 (for 4+1 students and MLT on-Campus Students).	3	3	3	0	0
Biomed and Radiologic Tech	CLSC	4830	Advanced Hematology	Laboratory experiences are conducted in hematology and hemostasis. Tests results	3	3	0	11	0



Laboratory are correlated with other clinical findings in the diagnosis of various blood dyscrasias and hemostatic disorders. Prerequisites: Biochemistry, CLSC 3843 and CLSC 2850 (for 2+2 On-campus students) and concurrent enrollment in CLSC 4800 (for 4+1 students and MLT On-Campus students).

Biomed and Radiologic Tech	CLSC	4880	Clinical Hematology Internship	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: Successful completion of CLSC 4820 and CLSC 4830 (for On-campus students). CLSC 3850 (for 2+2 Internet students), or CLSC 3841 (MLT Internet students).	2	2	0	0	11
Biomed and Radiologic Tech	CLSC	4885	Clinical Hematology Internship	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: CLSC 4820 and CLSC 4830.	2	2	0	0	11
Biomed and Radiologic Tech	CLSC	4900	Independent Study	General laboratory science related projects.	1	1			
Biomed and Radiologic Tech	MTCC	4420	Clin Microbio II Lecture		3	3	3	0	0
Biomed and Radiologic Tech	SAHS	3610	Ethics for Health Professionals	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.	1	1	1	0	0

Biomed and Radiologic Tech	SAHS	3620	Principles of Education	Introduces basic principles of educational design with application to patient education, staff development, continuing education and clinical education.	1	1	0	0	2
Biomed and Radiologic Tech	SAHS	4300	Professional Issues	Introduction to current critical issues impacting allied health science; the role of the allied health professional within the health care system and its relationship to other health care disciplines. Prerequisite: Enrollment in an allied health science discipline or permission of instructor.	1	1	1	0	0
Health Informatics	HINF	3000	Legal Aspects & Ethics	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 health care setting.	1	1	3	0	0
Health Informatics	HINF	3001	Quality in Healthcare	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 health care settings.	1	1	3	0	0
Health Informatics	HINF	3003	Intro Health Info Sys	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.	1	1	3	0	0

Health Informatics	HINF	3004	Sys Analysis and Design	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.	1	1	3	0	0
Health Informatics	HINF	3005	HIA Practicum	This course integrates didactic and workplace experience to create a structured environment which allows the student to gain practical experience in health information management.	2	2	0	0	4
Health Informatics	HINF	3006	Off Admin HLT Info Mangt	This course integrates didactic and workplace experience to create a structured environment which allows the student to gain practical experience in health information management.	1	1	3	0	0
Health Informatics	HINF	3007	CPT HCPCS Cod & Reim Ess	Students will be instructed in CPT/HCPCS coding. Students will learn the fundamentals of reimbursement processes as they relate to coding, documentation, and regulations set forth by various federal agencies and managed care organizations.	1	1	1	1	0
Health Informatics	HINF	3101	Management Principles	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 systems management and techniques of systems analysis. Includes office ergonomics, information management, and equipment procurement.	4	4	3	2	0
Health Informatics	HINF	3102	Human Resource	A comprehensive human resource	4	4	3	2	0

Management 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

Health Informatics	HINF	3103	Managerial Practicum	Students work in a designated health record department to complete assigned management projects related to the basic functions of a health record department.	2	2	0	4	0
Health Informatics	HINF	3199	Introduction to Public Health	This course will cover topics of public health and newly emerging public health content areas.	2	2	0	0	2
Health Informatics	HINF	3206	Intro to Health Info Management	Principles of gathering, manipulating, classifying, storing, and retrieving health data.	3	3	2	2	0
Health Informatics	HINF	3207	Hlthcare Stats Data Mgmt	Methods utilized to transform health data into information. Fundamental procedures in collecting, summarizing, analyzing, presenting, and interpreting data . Includes acceptable terminology, definitions and formulas necessary to compute common health care statistical reports.	2	2	2	0	0
Health Informatics	HINF	3208	Record Processing Practicum	Provides a structured environment in which students gain practical experience in designated health record departments. Supports technical and conceptual skill development by providing the students the opportunity to observe and perform various functions common to most health record departments.	2	2	2	0	0
Health Informatics	HINF	3312	Medical Terminology	Introduction to the language used in health care. Emphasis on word components	2	2	2	0	0

(combining forms, prefixes, and suffixes),  
pronunciation, and writing exercises.

Health Informatics	HINF	3314	Pathophy & Essen of Pharm	Course presents disease processes in the human body, diagnostic techniques, and treatment methods. Basic principles of pharmacology drug classifications, and commonly used drugs are introduced.	5	5	4	2	0
Health Informatics	HINF	3415	Health Data Class & Coding Sys	Students will be instructed in ICD-9-CM diagnostic and procedural coding and introduced to ICD-10-CM and ICD-10-PCS coding classifications. Students will learn coding fundamentals and apply coding skills using case studies and encoders. Ethical coding principles will be emphasized.	4	4	3	2	0
Health Informatics	HINF	3516	Computer Fund Hlth Care	Introduces students to computer concepts of hardware, software, the Internet, and uses of computers in health care. Students will demonstrate proficiency in use of word processing, spreadsheet, and graphics application software and the Internet through lab exercises and assignments.	4	4	3	2	0
Health Informatics	HINF	3517	Intro Dtbas Desgn Health Info	Introduces databases and allows students to demonstrate proficiency through "hands-on" database design. Provides an introduction to health information systems and healthcare technology with discussion of current applications and trends in health care.	4	4	3	2	0
Health Informatics	HINF	4104	Budget & Finance	Basic hospital financial principles and tools. Fundamentals of hospital financial decision-making and the budgeting process.	3	3	3	0	0
Health Informatics	HINF	4105	Management Capstone	This applications course guides students through independent and group activities	2	2	0	4	0

designed to the management skills developed in the prerequisite courses. Special emphasis is placed on leadership skills and creative problem solving in a health care setting.

Health Informatics	HINF	4209	Legal Aspects and Ethics	Overview of the law and its administration as it applies to questions of policy and procedure development for health data requirements in a health care setting. Includes basic ethical principles and situations of ethical dilemma, and ethical decision-making processes.	2	2	2	0	0
Health Informatics	HINF	4211	Health Care Delivery System	Designed to familiarize the student with various nontraditional health care settings in order to develop the knowledge and skills necessary for assisting in the development and evaluation of health information practice in those settings.	2	2	2	0	0
Health Informatics	HINF	4212	Quality Management	Introduces concepts in quality management.	3	3	5	0	0
Health Informatics	HINF	4416	Pro Coding & Principles of Reimbursement	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	3	3	2	2	0
Health Informatics	HINF	4518	Adv Dtbas Design his Analy	Emphasizes health care systems analysis and design principles through use of lecture, case studies, and projects. System evaluation, selection, and security are also emphasized.	4	4	3	2	0
Health Informatics	HINF	4519	Systems Design Implementation	A project-based course demonstrating student proficiency in systems design and implementation principles. Students design and develop a health information system using database application software. Project management, database management, and team-building skills are emphasized and	2	2	1	4	0

team building skills are emphasized and demonstrated.

Health Informatics	HINF	4722	Administrative Practicum	A six-week administrative affiliation in selected hospitals. Students, in addition to "shadowing" the department director, are actively involved in projects which use the skills which they have developed through the curriculum.	9	9	0	40	0
Health Informatics	SAHS	3660	US Health Care Delivery System	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.	1	1	3		
Health Informatics	IMPH	7101	Health Care Mgmt Principles	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.	3	3	3		

Health Informatics	IMPH	7102	Human Resources Management		3	3	3		
Health Informatics	IMPH	7104	Healthcare Financial Management	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 health care 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 health care finance. Consistent with the emphasis on "real world" practice and application, guest lecturers from the field are scheduled throughout the course. Students will apply knowledge in a budget preparation exercise.	3	3	3		
Health Informatics	IMPH	7209	Health Law and Ethics	Overview of the law and its administration as it applies to questions of policy and procedures development for health data requirements in a health care setting. Includes basic ethical principles and situations of ethical dilemma and ethical decision-making processes.	3	3			
Health Informatics	IMPH	7210	Healthcare Performance	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.	3	3	3		
Health Informatics	IMPH	8000	Computerized Health Info	This course explores information systems theory, current and emerging technology, applications in the healthcare industry, health	3	3	3	0	0



information systems strategic planning, and computer-based patient record theory

Health Informatics	IMPH	8001	Public Health Informatics	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 collections, automation of information technology, and public health professional knowledge as a component of evidence-based practice	3	3	3	0	0
Health Informatics	IMPH	8100	Healthcare Info Requirements	Healthcare information standards are addressed with emphasis on current healthcare regulations and standards. The effective use of networks to share health care data is explored; emphasis is placed on developing the expertise to apply standards effectively in a health care facility to achieve full integration of organizational health information systems.	3	3	3		
Health Informatics	IMPH	8200	Healthcare Data Content	This course teaches the skills necessary for identifying and using appropriate clinical classifications systems and medical vocabularies within health information systems.	3	3	3		
Health Informatics	IMPH	8400	Health Data Mgmt and Knowledge	This course focuses on the acquisition and use of patient level data to support population, administrative and clinical decision-making in health care 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.	3	3	3		

Health Informatics	IMPH	8500	Health Information System Anal	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 health care organization.	3	3	3		
Health Informatics	IMPH	8600	Fundamental of Health Promo	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.	3	3	3		
Health Informatics	IMPH	8700	Intro to Environmental Health	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	3	3	3	0	0
Health Informatics	IMPH	8722	Internship	All MPH degree candidates in the informatics MPH programs are required to complete a minimum of 2 credit hours (on average 20 hours per week for 10 weeks) in a summer internship experience. The summer internship is a field experience which integrates professional academic preparation and public health practice. Public health and health informatics knowledge and skills taught in the core and discipline-specific courses are used in an organizational setting	2	2	2		

under the supervision and guidance of an experienced preceptor. A faculty internship advisor will assist the student in locating a position. At the completion of the internship, the student will provide a final report to document the practicum. Under certain circumstances, the internship requirement may be waived for some students.

Health Informatics	IMPH	8800	Health Decision Support System	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.	3	3	3		
Health Informatics	IMPH	8999	Capstone Course	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.	3	3	3		
Medical Illustration	MILL	6650	Med Illustration Tech 1A	An introduction to techniques and media of the medical illustrator, including line,	3	3	1	8	0

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.

Medical Illustration	MILL	6651	Med Illustration Tech 1B	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.	3	3	1	8	0
Medical Illustration	MILL	6658	Tri-Dimensional Technique	An introduction to the techniques and media used in creating and producing three-dimensional bioscientific materials, include facial prosthetics.	3	3	1	8	0
Medical Illustration	MILL	6670	Electronic Media I	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.	3	3	1	8	0
Medical Illustration	MILL	6671	Electronic Media II	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.	3	3	2	4	0
Medical Illustration	MILL	6680	Surgical Techniques	An orientation to surgery in which the student performs several procedures on laboratory animals, utilizing standard equipment, materials and techniques.	2	2	1	2	0
Medical Illustration	MILL	6780	Surgical Techniques	An orientation to surgery in which the student performs several procedures on laboratory animals, utilizing standard equipment, materials and techniques.	2	2	1	2	0

materials and techniques.

Medical Illustration	MILL	7651	Surg Observ Sketching II	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.	2	2	0	8	0
Medical Illustration	MILL	7661	Med Illust Tech 2B	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.	3	3	1	8	0
Medical Illustration	MILL	7671	Multimedia II	Advanced concepts and techniques of computer animation and internet graphics, with emphasis on production of a interactive title.	3	3	2	4	0
Medical Illustration	MILL	8020	Learning Resource Management	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.	2	2	1	4	0
Medical Illustration	MILL	9210	Investigation of a Problem	Independent study demonstrating competency in creating and producing bioscientific images for visual communication media in specific technique and subject matter areas.	2	2	0	0	0
Medical Illustration	MILL	7650	Surg Observ Sketching I	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	3	3	1	8	0

and 0210.

Medical Illustration	MILL	7660	Med Illust Tech 2A	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.	3	3	1	8	0
Medical Illustration	MILL	7670	Multimedia I	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.	3	3	2	4	0
Medical Illustration	MILL	9250	Master's Project	A visual presentation of a bioscientific subject prepared in partial fulfillment of the requirements for the degree of Master of Science in Medical Illustration.	1	1	0	0	0
Occupational Therapy	OTHP	6000	Fieldwork 1A	Application of the knowledge and skills learned in first semester graduate occupational therapy coursework. Prerequisites: Graduate admission to the MHS in OT degree program.	1	1	0	0	3
Occupational Therapy	OTHP	6001	Fieldwork 1B	Application of the knowledge and skills learned in second semester graduate occupational therapy coursework. Prerequisites: Graduate admission to the MHS in OT degree program; completion of 1st semester courses; successful completion of Fieldwork I A	1	1	0	0	3
Occupational Therapy	OTHP	6002	Fieldwork 1C	Application of the knowledge and skills learned in third semester graduate occupational therapy coursework. Prerequisites: Graduate admission to the MHS in OT degree program; completion of 2nd semester courses; successful completion	1	1	0	0	3

2nd semester courses, successful completion of Fieldwork 1 A and 1 B

Occupational Therapy	OTHP	6003	Fieldwork 1D	Application of the knowledge and skills learned in fourth semester graduate occupational therapy coursework. Prerequisites: Graduate admission to the MHS in OT degree program; completion of 3rd semester courses; successful completion of Fieldwork 1A, 1B & 1C	2	2	0	0	6
Occupational Therapy	OTHP	6103	Prof Foun Therapeutic Occ	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. Prerequisites: Admission to the graduate Master of Health Sciences program.	2	2	2	0	0
Occupational Therapy	OTHP	6104	Occ Therapy Models of Reason	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. Prerequisites: Graduate admission to the MHS in OT degree program.	3	3	2	2	0
Occupational Therapy	OTHP	6106	Dev of Lifespan Occupations	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 emphasized. Emphasis is placed on analysis and synthesis of	3	3	2	2	0

on analysis and synthesis of interrelationships of occupation and development. Prerequisites: Graduate admission to the MHS in OT degree program.

Occupational Therapy	OTHP	6203	Occ Adapt Assistive Tech	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. Prerequisites: Graduate admission to the MHS in OT degree program, completion of 1st semester coursework or permission of instructor/Chair.	3	3	2	1	3
Occupational Therapy	OTHP	6204	Movement Analysis	Integration of motor control and motor learning approaches related to occupational therapy intervention. 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 performances. Prerequisites: Graduate admission to the MHS in OT degree program; completion of 1st semester courses or permission of Instructor/Chair.	3	3	1	2	0
Occupational Therapy	OTHP	6205	Applied Kinesiology	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. Prerequisites: Graduate admission to the MHS in OT degree program;	4	4	2	2	0



completion of 1st semester courses or  
 permission of instructor/Chair

Occupational Therapy	OTHP	6206	Adult Eval & Intervention	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.	6	6	2	9	
Occupational Therapy	OTHP	6304	App Concepts Wellness Illness	A critical analysis of the promotion of health and wellness and the body's response to stress, illness or injury across the lifespan. Physiological concepts, systems and processes related to systems, maturation, and healing pertaining to rehabilitation models of practice are included. Includes current health care trends, coding, pharmacological practices and evidence for evaluation and intervention. Examines the use of World Health Organization classifications and the implications on occupation. Prerequisites: Graduate admission to the MHS in OT degree program.	3	3	3	0	0
Occupational Therapy	OTHP	6313	Mental Health Programming	Application of critical reasoning and selected theories and intervention approaches for mental health. Includes principles of health	3	3	2	2	0

promotion, occupationally based intervention models and the application of selected individual and/or group programming within various health and community based settings. Therapeutic use of self, conflict management and an understanding of cultural diversity are emphasized. Prerequisites: Graduate admission to the MHS in OT degree program.

Occupational Therapy	OTHP	6343	Adult Models of Practice	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 community, private contracting, skilled nursing facilities, and home health. Prerequisites: Graduate admission to the MHS in OT degree program; completion of 2nd semester coursework; or permission of instructor/chair.	3	3	2	2	0
Occupational Therapy	OTHP	6404	Pediatric Eval & Intervention	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.	4	4	2	5	

Occupational Therapy	OTHP	6604	Pediatric Eval & Intervention	<p>Selection and application of the appropriate assessments and interventions the occupational therapy process with the 0-21 client population. Emphasis is placed on analyzing atypical development, acquisition of occupational roles and pediatric approaches. Use of client and family-centered care is implemented in a variety of settings and reimbursement models. Collaboration &amp; advocacy within interdisciplinary teams is included.</p> <p>Prerequisites: Graduate admission to the MHS in OT degree program; completion of 3rd semester coursework; or permission of instructor/Chair</p>	3	3	2	2	0
Occupational Therapy	OTHP	6606	Adult Eval & Intervention	<p>Occupationally based theories and evidenced-based approaches for the selection and application of family and client centered care. Use of appropriate assessments &amp; 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.</p> <p>Prerequisites: Graduate admission to the MHS in OT degree program; completion of 3rd semester coursework; or permission of instructor/Chair</p>	5	5	3	4	0
Occupational Therapy	OTHP	6608	Worker Role & Ergonomics	<p>Study of work and ergonomic principles to enhance occupational performance. Emphasis is on program design and</p>	3	3	2	2	0

implementation of outcome based work related programs. Settings include clinics, private practice, community, and the industrial work place. Regulatory guidelines are included. Prerequisites: Graduate admission to the MHS in OT degree program; completion of 3rd semester coursework; or permission of instructor/Chair

Occupational Therapy	OTHP	6704	Prof Issues and Serv Mgmt	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.	4	4	3	2	
Occupational Therapy	OTHP	6708	Prof Issues and Service Mgmt	Application of administrative and professional leadership processes including standards of practice and competencies, needs assessments, program development, outcome management, reimbursement, ethics, accreditations, policy and trends in health care. Includes management process, advocacy and promotion. Personal professional development and competency are included. Prerequisites: Graduate admission to the MHS in OT degree program; completion of 5th semester coursework; or permission of instructor/Chair	3	3	3	0	0
Occupational Therapy	OTHP	6854	School Systems	Advanced studies in school based settings emphasizing regulatory guidelines, roles, IEPs, and delivery of services within an intra and inter-disciplinary delineation, equipment and accessibility considerations, documentation, client and family centered	3	3	2	2	0

documentation, client and family centered care and consulting are included.  
 Prerequisites: Graduate admission to the MHS in OT degree program; completion of 3rd semester coursework; or permission of instructor/Chair

Occupational Therapy	OTHP	6900	Investigation of a Problem	Student investigation of a topic of interest or need. Prerequisites: Graduate admission to the MHS in OT degree program; permission of Chair or instructor	1	1	1	0	0
Occupational Therapy	OTHP	6901	Sensory Integ Adv Topic in Ped	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. Prerequisites: Graduate admission to the MHS in OT degree program; permission of Chair or instructor.	3	3	3	0	0
Occupational Therapy	OTHP	6904	Vestibular Rehab	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. Prerequisites: Graduate admission to the MHS in OT degree program; permission of Chair or instructor	3	3	3	0	0
Occupational Therapy	OTHP	6906	Cognitive Rehabilitation	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	3	3	3	0	0

adaptation are analyzed. Prerequisites:  
 Graduate admission to the MHS in OT  
 degree program; permission of the instructor  
 or Chair

Occupational Therapy	OTHP	6907	Adv Musculo Inves of Upper Ext	Application of specialized musculoskeletal evaluation and intervention strategies for upper extremity impairments. Prerequisites: Graduate admission to the MHS in OT degree program; permission of the Chair or instructor	3	3	0	0	0
Occupational Therapy	OTHP	6908	Adv Splint Hand & Up Ext Rehab	Design and fabricate splints for complex upper extremity impairment Prerequisites: Graduate admission to the MHS in OT degree program; permission of Chair or instructor	3	3	3	0	0
Occupational Therapy	OTHP	6909	Ergonomics	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. Prerequisites: Graduate admission to the MHS in OT degree program; permission of Chair or instructor	3	3	3	0	0
Occupational Therapy	OTHP	7009	Fieldwork Experience A	Full-time 12 week fieldwork experience applying clinical reasoning in a practice environment.	9	9			40
Occupational Therapy	OTHP	7010	Fieldwork 2 Experience B	Full-time 12-week fieldwork experience allowing critical reasoning within a practice setting. Prerequisites: Graduate admission to the MHS in OT degree program; completion of 4th semester academic course coursework; or permission of Fieldwork Coordinator/Chair	9	9	0	0	40

Occupational Therapy	OTHP	7109	Fieldwork Experience B	Full-time 12 week fieldwork experience applying clinical reasoning in a practice environment.	9	9	0	40	
Occupational Therapy	OTHP	7303	Contemporary Practice in OT	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.	3	3	1	6	
Occupational Therapy	OTHP	7304	Contemporary Practice	Normal and abnormal development of the population age 22 and older with an emphasis on the interrelationship of occupational performance components, areas, and contexts. Special emphasis is placed on adult developmental theory, theories of aging, role transitions, prevention and wellness concepts; sports/leisure related practice areas, and older adult practice issues. Models of practice within various reimbursement systems and environments are explored. Includes Level I fieldwork. Prerequisites: Graduate admission to the MHS in OT degree program; completion of 2nd semester coursework; or permission of instructor/Chair	2	2	1	0	3
Occupational Therapy	OTHP	7600	Elective Fieldwork	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. Prerequisites: Graduate admission to the MHS in OT degree program; permission of Chair or instructor	1	1	1	0	0

Occupational Therapy	SAHS	6501	Evidence Based Practice	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.	2	2	1	2	0
Occupational Therapy	SAHS	6503	Research Process	Investigation of qualitative, quantitative, and applied statistical methods for clinical and professional studies or projects. Application of evidenced based research and completion of HAC proposals and approval processes. Emphasis is placed on ethical and procedural requirements for responsible research/scholarship. Prerequisites: Graduate admission to MHS; permission of instructor/Chair	3	3	2	2	3
Occupational Therapy	SAHS	6524	Project Development	Development of a scholarly research process including HAC approvals. Engagement in an active scholarly pursuit. Research methods and applications are included. Prerequisites: Graduate admission to the MHS program; completion of the 3rd semester permission of instructor/Chair	2	2	0	4	0
Occupational Therapy	SAHS	6532	Research Investigation	Successful completion of fourth semester coursework. Prerequisites: Graduate admission to the MHS in OT degree program; permission of Chair or instructor	2	2	0	4	0
Occupational Therapy	SAHS	7533	Research Thesis	Completion of research assignment and presentation of results to professionals and peers. Publication guidelines are examined.	3	3	1	4	
Occupational Therapy	SAHS	7541	Data Outcome Analysis	Methods and resources to analyze and interpret data are included. Implications of results are identified and prepared.	1	1	0	2	0



Occupational Therapy	SAHS	7705	Neuroscience Applications	Study of neuroanatomy, neurophysiology and applied neuroscience principles in the promotion of health and wellness and the recovery from illness and/or injury. Prerequisites: Graduate admission to the MHS in OT degree program; completion of 1st semester coursework and/or permission of instructor/Chair	3	3	3	0	0
Physical Therapy	NDPT	7111	Gross Anatomy & Embryology	This course begins with foundational concepts in vertebrate embryology and development. Upon that foundation and in-depth regional study of the human body emphasizing musculoskeletal, neuromuscular and cardiopulmonary systems plus gross surface anatomy features is methodically explored. Students will examine structural interrelationships as a basis for normal function, and will engage in directed laboratory experiences with cadaver dissection, skeletal materials and models plus other proven learning activities such as student presentations of clinical problems illustrating anatomical principles, and student presentations of cadaver projections. Prerequisite: Admission to DPT Program	7	7	8	9	
Physical Therapy	NDPT	7121	Medical Terminology	Medical Terminology is specifically designed to meet the needs of students in medical, biological, and health-related programs and provides them with a working knowledge of medical vocabulary using a systems approach. This course provides a study of words that pertain to body systems, anatomic structures, medical processes and procedures, and a variety of diseases. Medical terminology is a specialized language for the health care team so they may communicate in a concise and accurate	1	1			

way. Prerequisite: Admission to DPT program.

Physical Therapy	NDPT	7131	Clinical Histology	An in depth study of clinical histology particularly as it relates to the organs of the musculoskeletal, neural, integumentary and cardiopulmonary systems. Their structural interrelationships, as a basis for normal and pathological conditions, and thoroughly explored. Emphasis is placed on connective tissue and muscular structures and their responses to stress and inflammation. Instructional sessions will also intetrate rationale of treatment of pathological conditions specific to connective tissue changes. Prerequisites: Admission to DPT Program	3	3	5	
Physical Therapy	NDPT	7141	Clin Phy I: Medical Physiology	This course provides the physiological knowledge base for understanding homeostatic mechanisms and interaction of organ systems required of every physical therapist. Mechanisms of control and regulation of cardiopulmonary function, pain, edema, inflammation, stress, immobility, lymphatic function, temperature regulation, gastrointestinal functions, endocrineand autonomic nervous styem effects are emphasized. A basic introduction into the principles of pharmacology is is also provided. Each physiological process is studied wit particular emphasis on changes that occur secondary to variables such as injury, disease, age, environment, and gender. This course is first in a series of two clinical physiology courses in the curriculum. Prerequisite: Successful completion of Semester I courses.	4	4	4	2

Physical Therapy	NDPT	7151	Clinical Physiology 2	This course is designed to assist the student to understand the physiological processes that underlie the role and effects of exercise as it relates to health, pathology, culture, age, gender, and restoration of function. Emphasis is placed on muscle cell physiology, cardiovascular responses, and oxygen transport in response to changes in metabolic demand, exercise training, and detraining. Principles of therapeutic exercise, using a case study and lab approach, will provide students with foundational knowledge for safe implementation of a variety of general exercise programs.	4	4	2	4	
Physical Therapy	NDPT	7161	Clinical Kinesiology	This course will cover mechanical and functional analysis of the axial and appendicular skeletal movement. Normal and abnormal human sensorimotor function will be analyzed with specific emphasis on normal and pathological gait analysis, and workplace ergonomics.	4	4	4		
Physical Therapy	NDPT	7171	Neuroscience 1	A detailed study of central and peripheral nervous system of the human, including phylogeny, developmental anatomy, microanatomy, gross anatomical consideration, and internal structures and organization. The focus will be on structures and relationships underlying behavior, particularly perception, intellect and motor control. Selected pathological conditions will be considered to illustrate the relationship between structure and behavior, both normal to normal and pathological nervous system function and dysfunction will be considered. Directed laboratory experiences using cadaveric tissue, images of sectioned tissue, and models will be included. Prerequisites: Successful completion of Semester I	4	4	4	0	0

Successful completion of semester 1 courses.

Physical Therapy	NDPT	7181	Neuroscience 2	The focus of this course is on detailed study of the integrated functions of the human nervous system emphasizing mechanisms of motor and sensory activity and modulation. Principles of generation and conduction of nerve impulse are thoroughly discovered. Then by integrating the neuroanatomy and neurophysiology information, the neurological basis of normal movements are discussed. Motor control theories, concepts of motor learning, and associated intervention plans are fully covered. The development and maintenance of postural control, muscle tone and reflexes in relation to normal and pathological neural functions and dysfunction are presented. The neurophysiologic bases underlying several treatment techniques are explored. The clinical disorders of neuromuscular systems are discussed.	3	3	2	2
Physical Therapy	NDPT	7192	Psychosocial Issues in Health	This course explores the psychosocial concepts, theories, and ethical principles essential to understanding reactions of patients, family, and therapists to disabling disorders and catastrophic illness. Through reading assignments, review of video/movies and "active" class discussion, students are able to explore "identity" and the other essential constructs of "self" as they relate to 'healthy' human development across the lifespan. As students recognize their own belief systems, essential psychosocial elements of 'self' are then applied to understanding differences and similarities in values, moral and ethical beliefs of various	4	4	4	

values, moral and ethical beliefs of various groups of people - across age, race, culture, sexual orientation, and socioeconomic status. More specifically attitudes toward persons with disability are discussed with respect to their influence on the physical, psychosocial, and cultural aspects of an individual's growth and development. Finally the role of physical therapists, service professions, agencies, and advocacy groups in facilitating adjustment to disability are discussed.

Physical Therapy	NDPT	7212	Models of Clinical Reasoning	This course presents a variety of theoretical frameworks for clinical reasoning and decision-making, including the model of disablement and patient care management model as presented in The Guide to Physical Therapist Practice. It reviews the cognitive processes of decision-making pertinent to physical therapy examination/evaluation and expands upon the fundamentals of evidence-based practice, which considers evaluation of clinically relevant questions, searching and applying the literature, and building clinical data bases to provide evidence. This course primarily provides students with foundational knowledge for the application of "sound" clinical decision-making in the entire Pharmacology/ Diagnostics and Clinical Problem Series.	1	1	2		
Physical Therapy	NDPT	7222	Pharm and Diag I: Musculoskel	This course includes the pertinent clinical pharmacology and diagnostic medical tests for patients with orthopedic and spinal dysfunction. Pharmacokinetics and pharmacodynamics will emphasize the indications and contradictions of various	1	1	1	0	0

indications and contraindications of various drugs relative to their effect on diagnosis, prognosis, and interventions in physical therapy. Additionally, physiological process will be studied with particular emphasis on changes that occur secondary to variables such as age, environment, race, and gender. Diagnostic tests, such as lab values, electro-diagnostic testing, radiographic imaging, MRI, etc. will be also be explored in relation to physical therapy diagnosis for patient with musculoskeletal dysfunction. This course is a foundational science for the Orthopedic Clinical problem series. Prerequisites: Successful completion of Semester 4 courses.

Physical Therapy	NDPT	7232	Pharm/Diagnostics 2 Cardio	This course includes the pertinent clinical pharmacology and diagnostic medical tests for patients with cardiopulmonary dysfunction. Pharmacokinetics and pharmacodynamics will emphasize the indications and contraindications of various drugs relative to their effect on diagnosis, prognosis, and interventions in physical therapy. Additionally, physiological process will be studied with particular emphasis on changes that occur secondary to variables such as age, environment, race and gender. Diagnostic tests such as lab values, exercise stress testing, echocardiogram, etc. will also be explored in relation to physical therapy diagnosis for patient with cardiopulmonary dysfunction. This course is a foundational science for the Cardiopulmonary Clinical problem series.	1	1	1
Physical Therapy	NDPT	7243	Pharmaco & Diagno III: Integum	This course includes the pertinent clinical pharmacology and diagnostic medical test for	1	1	2

patients with integumentary dysfunction. Pharmacokinetics and pharmacodynamics will emphasize the indications and contraindications of various drugs relative to their effect on diagnosis, prognosis, and interventions in physical therapy. Additionally, physiological process will be studied with particular emphasis on changes that occur secondary to variables such as age, environment, race, and gender. Diagnostic test, such as lab values, ABI, Doppler, Ultrasound, etc. will be also explored in relation to physical therapy diagnosis in a patient with integumentary dysfunction. This course is a foundational science for the Integumentary Clinical problem series. Prerequisites: Successful Completion of Semester 6 Courses.

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Physical Therapy	NDPT	7253	Pharma & Diagnostics IV: Neuro	This course includes the pertinent clinical pharmacology and diagnostic medical tests for patients with neuromuscular dysfunction. Pharmacokinetics and pharmacodynamics will emphasize the indications and contraindications of various drugs relative to their effect on diagnosis, prognosis, and interventions in physical therapy. Additionally, physiological process will be studied with particular emphasis on changes that occur secondary to variables such as age, environment, race, and gender. Diagnostic tests, such as lab values, Electro-diagnostic testings, CT/PET scans, MRI ect. will be also explored in relation to physical therapy diagnosis for patient with neuromuscular dysfunction. This course is a foundation science for the Neuromuscular Clinical problem series.	1	1	1
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Physical Therapy	NDPT	7311	Patient Care Skills 1: Exam	The knowledge and skills necessary for examination of patients leading to physical therapy diagnoses, prognoses and evaluation will be presented and practiced. Theory and techniques for measurement of physical therapy and physiological entities will include: obtaining medical history, palpation technique, draping, screening for dysfunction in human systems (integumentary, cardiopulmonary, musculoskeletal, neuromuscular, and cognitive); vital signs tests, reflex assessment manual muscle tests, muscle length tests, range of motion, and postural assessment. Students will learn to discuss and document their examination findings. Reliability and validity of the measurements will be explored, with emphasis placed on precision of measurement, elimination of errors in testing, and accuracy of documentation. Activities will include a range of experiences, progressing from normal to pathological conditions, across the spectra of age, sex, culture, and race. Prerequisite: Successful completion of Semester I courses.	4	4	4	
Physical Therapy	NDPT	7321	Patient Care Skills 2	This course completes examination and application of basic patient skills, such as universal precautions, bed mobility, wheelchair mobility, transfer training, and gait training. The course also provides an in-depth exploration of the components of the acquisition of teaching/learning as it applies to patient interaction in physical therapy. A variety of educational/instructional methods are introduced, allowing for exploration of optimal teaching approaches in the cognitive,	4	4	2	4



psychomotor, and affective domains. Modifications to learning/teaching strategies are discussed within the context of age, race, gender, culture, and socioeconomic status. Emphasis will be placed on the selection of educational methods that enhance retention and compliance of learning.

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Physical Therapy	NDPT	7332	Patient Care Skills 3	<p>This course will explore the scientific basis for selecting and implementing a plan of care using therapeutic agents, including; relaxation training &amp; soft tissue mobilization, compression therapy, thermal agents, and electrotherapeutic modalities. Indications for use of therapeutic modalities, proper administration, and documentation of effectiveness will be emphasized. Students will learn to discuss and document their selection of an appropriate therapeutic agent/s in relation to sound knowledge of underlying physiological processes (pain, inflammation, edema, motor control, etc.) and pertinent methods of physical therapy measurement such as obtaining medical history, palpation screening for dysfunction in human systems (integumentary, cardiopulmonary, musculoskeletal, and neuromuscular). Evidence-based practice will fostered through careful critique of the literature in therapeutic agents. Lab activities will include a range of experiences, processing from normal to pathological conditions, across the spectra of age, sex, and race.</p>	4	4	4	6
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Physical Therapy	NDPT	7342	Pat Care Skill IV: Pros & Orth	This course will cover biomechanical principles for the design and function of lower and upper extremity orthotics and prosthetics. Specific emphasis will be placed on normal and pathologic gait analysis with orthotic and prosthetic devices. Students will learn to relate limitations of orthotic/prosthetic devices to physical therapy management (functional training). Case study exploration will additionally provide the basis for comprehensive physical therapy management (Examination, Evaluation, Dx/Prognosis, & Plan of Care) for people with lower limb amputation.	2	2	1	4
Physical Therapy	NDPT	7411	Prof Socialization I: Intro	Professional Socialization I: Introduction is the beginning of a three-course sequence in which the profession of physical therapy is explored. The history of the profession including the people, world events, and organizational events that have shaped the scope of practice, standard of care and code of ethics will be investigated. The core documents will serve as a foundation for expectation of professional behaviors in documentation, reimbursement, and patient-care settings. The scope of professional conferences and issues of past, current, and future concerns will be discussed. Students are expected and encouraged to participate in future professional conferences, presentations, and the Georgia State Board of Physical Therapy public meeting. Governance of the recognized professional organization, the American Physical Therapy Association will be discussed. One essential element for a professional physical therapist is effective communication. Written, verbal and non-verbal skills for professional, effective communication will be emphasized. The tutorial process as defined by our modifier	3	3	3	

The tutorial process as defined by our model:

Physical Therapy	NDPT	7423	Profess Socialization II: Mgt	This course is the second course in a three-course series. This course will include macroeconomics of the United States healthcare system to the microeconomics of a physical therapy practice setting. Focus will be on management procedures including budgeting, staffing, quality improvement, personnel development, and federal guidelines concerning the Americans with Disabilities Act with particular interest in the scope of practice of physical therapy.	4	4	5
Physical Therapy	NDPT	7433	Prof Socializ III: Prof Entry	This course is the 'capstone' course which emphasizes the student's readiness to embrace the knowledge, values, and skills of the profession of physical therapy. The students will assess their professional growth since entry in to the program and examine how their development matches the primary mission of the graduate program in physical therapy. Mechanisms for seeking out community resources, mentors, networking, and participation in professional organizations will be presented in more detail. Expectations during the first year of practice will be investigated from an employers as well as employee perspective. Ways to foster the student's future role of becoming a clinical instructor will be explored and emphasized. Preparation for National Physical Therapy Examination will be completed and students will also evaluate complicated ethical issues in healthcare delivery. Finally, discussion on topics of particular clinical or professional interest will be entertained.	1	1	20

Physical Therapy	NDPT	7512	Clinical Research I: Design	This course relates to theories and concepts of scientific investigation and clinical research. The process of scientific inquiry is explored and related to the acquisition of knowledge in therapeutic interventions and evidence based physical therapy practice. Understanding concepts involved in formulating a research question and gaining a perception of range and scope of research methods is the expected outcome of this course.	3	3	6	
Physical Therapy	NDPT	7522	Clin Res II: Evid Based Pr & S	This is a sequential course to NDPT 7512. The process of scientific inquiry is expanded to include an in depth survey of the range and scope of research methods and statistical designs used towards evidence-based practice in physical therapy. The focus of research is directed toward parametric and nonparametric statistics used in clinical investigation. A preliminary research proposal will be completed and presented.	4	4	3	2
Physical Therapy	NDPT	7532	Clinical Research III: Project	The focus of this course is on the collection of data, its reduction, and analysis. Students will present a platform presentation of a sound research proposal for defense and will submit a written proposal at the conclusion of this course.	2	2		4
Physical Therapy	NDPT	7612	Clinical Problems I: Musculosk	The course will address physical therapy assessment and treatment of common musculoskeletal disorders of the extremities. Basic level differential diagnosis and treatment techniques will be presented	5	5	5	6

treatment techniques will be presented including joint mobilizations (Grades I-V), soft tissue massage, ambulation and activity progression and therapeutic exercise. Therapeutic exercise, isometric, isotonic, and isokinetic testing and rehabilitation will be studied with integrated exposure to rehabilitation equipment used with these patient populations. Students will be exposed to various treatment rationales. Learning will be approached through tutorial and practical lab sessions.

Physical Therapy	NDPT	7622	Clinical Problems II: Musculos	This course will address physical therapy evaluation, assessment and rehabilitation of spinal disorders and the temporo-mandibular joint. Spinal topics include lumbar, SIJ, cervical, thoracic and temporomandibular joint regions. Evaluation and treatment of surgical and non-surgical conditions will be taught. The student will be trained in the systematic assessment of musculoskeletal dysfunction of each of these regions. Treatment techniques instructed will include spinal mobilization (Grades I-V), soft tissue massage, manual and mechanical traction, body mechanics, self care techniques and therapeutic exercise. The student will be exposed to various treatment rationales that are prominent in physical therapy, however, the Maitland_Australian approach will be emphasized. The epidemiology and ergonomics of back and neck pain will also be investigated. Learning will be approached through critical appraisal of the literature using small group tutorials and practical lab sessions such that the basis of evidence based practice of physical therapy in these clir	6	6	5	6
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Physical Therapy	NDPT	7632	Clinical Prob III: Cardio	This course emphasized normal and abnormal cardiopulmonary responses to exercise, compromised cardiopulmonary physiology and pathophysiology of common cardiopulmonary diseases. The course is designed to assist the student in applying physiological principles to physical therapy interventions of clients with cardiopulmonary dysfunction. The course also presents the information that needs to be considered in relation to race, age, and gender. Critical analysis of the literature is necessary for all clinical cases presented to and provides a foundation for the evidence-based practice of Physical Therapy (Guide for Practice in Physical Therapy).	4	4	3	4
Physical Therapy	NDPT	7643	Clinical Probs IV: Integume Cr	This course emphasizes the pathophysiology of burns and wounds; the rehabilitation of patients with related acute and subacute diseases that require skilled and intermediate care. The course also requires students to discover the influences of race, age, and gender on the concepts of wound management and burn care. Critical analysis of the literature is necessary for all the clinical cases presented and provide a foundation for the evidence-based practice of physical therapy. (Guide for Practice in Physical Therapy) Prerequisites: Successful Completion of Semester 6 Courses	2	2	1	3
Physical Therapy	NDPT	7653	Clinical Prob V: Neuromuscl 1	This course examines aspects of human development from conception to adulthood. Normal development of the body, nervous system and cognition, congenital abnormalities, and infant childhood, and adolescent pathologies will be studied	5	5	7	7

adolescent pathologies will be studied. Examination and Evaluation, including pediatric assessment methodologies and therapeutic exercise/interventions will be studied through a series of problems examined in a Problem-Based Learning format and practical lab sessions. Course Prerequisites: Successful completion of Semester 6 courses.

Physical Therapy	NDPT	7663	Clin Prob VI: Neuromuscular II	This course emphasizes advanced neuromuscular evaluation and treatment rationales and principles related to the adult population. Emphasis is on principles of normal movement and maintenance of posture, their application to abnormal central nervous system function in adults with a variety of neurological pathologies.	5	5	5	5
Physical Therapy	NDPT	7673	Clin Prob VII: Mgmt of MS Impa	This course is conducted using a seminar (large tutorial) format and will be solely based on clinical cases that involve more than one pathological process. This course addresses the physical therapy examination, evaluation, intervention and management of clinical problems associated with multi-system impairments (integumentary, cardiopulmonary, musculoskeletal, and neuromuscular).	4	4	2	4
Physical Therapy	NDPT	7712	Clinical Education 1	The purpose of this clinical experience is to provide the student with opportunity to initiate practical application of the clinical education and teaching skills from the initial professional year of class work. Students will have opportunity to apply knowledge of foundational science principles (kinesiology, medical and exercise physiology, and	6	6		40

neuroscience) and general examination and intervention skills to patient care. Students will be introduced to and have opportunity to apply the five elements of patient client management (examination, evaluation, diagnosis, prognosis, plan of care and intervention). These skills will be performed under the direct supervision of a licensed practicing clinician. This ten-week assignment can occur in a variety of rural and/or urban facilities. Course Prerequisites: Successful completion of Semester 3 courses.

Physical Therapy	NDPT	7723	Clinical Education 2	The purpose of this clinical placement is to provide the student with opportunity for practical application of the foundational sciences and the clinical problems skills studied in the first two years of professional class work. Students will have opportunity to analyze and integrate the five elements of patient client management (examination, evaluation, diagnosis, prognosis, plan of care and intervention) for patients with integumentary, musculoskeletal, cardiopulmonary, and neuromuscular (Pediatrics) conditions. These skills will be performed under the direct supervision of a licensed practicing clinician. This ten-week assignment can occur in a variety of rural and/or urban facilities.	8	8	40
Physical Therapy	NDPT	7733	Clinical Education 3	The purpose of this clinical placement is to provide the student with opportunity for practical application of the foundational sciences and the clinical problems skills studied in the first three years of professional class work.	16	16	40



Physical Therapy	NDPT	7743	Clinical Education 4	The purpose of this final placement is to allow the third year student to integrate the role and responsibility of the physical therapist and attain entry-level practice competencies. This sixteen-week experience occurs in medical centers where the student may be assigned to two or more services. The student may be assigned to more than one medical center or facility. All students will have the opportunity to provide physical therapy care to patients throughout the entire healthcare continuum.	16	16		40
Physical Therapy	PHTH	5101	Func and Struct Aspects of Mov	Gross anatomy and physiology at the integumentary, cardiovascular and pulmonary systems. Prerequisite: Admission to the DPT Program	5	5	4	4
Physical Therapy	PHTH	5111	Intro to Pathophysiology 1	Basic histopathology, pathophysiology, and pharmacology of the integumentary, cardiovascular and pulmonary systems. Prerequisite: Admission into the DPT program.	2	2	2	
Physical Therapy	PHTH	5131	Fndt of PT Exam Eval & Inter I	Fundamental patient care skills including basic examination, evaluation, diagnosis, prognosis, intervention, outcomes and documentation for patients with integumentary, cardiovascular and pulmonary dysfunction. Prerequisite: Admission to the DPT Program	6	6	5	4
Physical Therapy	PHTH	5161	Physical Therapy Prac Issues I	Discussions of professional socialization, cultural issues in health care, legal and ethical aspects of illness, quantitative terminology in clinical practice and clinical documentation. Prerequisites: Admission to DPT Program	1	1	1	
Physical Therapy	PHTH	5181	Clinical Practicum 1	Initial exposure to the health care setting and health care professionals through discussion	1	1		4

and half-day, onsite observational experiences. Care settings will include specialty clinics, long term care facilities, hospitals and school systems. Prerequisites: Admission to DPT Program

Physical Therapy	PHTH	5202	Functional Structural Move 2	Gross anatomy, physiology and kinesiology of the musculokeletal system.	6	6	4	4	
Physical Therapy	PHTH	5212	Intro to Pathophysiology 2	Basic histopathology, pathophysiology and pharmacology of the musculoskeletal system.	2	2	2	0	0
Physical Therapy	PHTH	5232	Found PT EXAM Eval Interven 2	Fundamental patient care skills including basic examination, evaluation, diagnosis, prognosis, intervention, outcomes and documentation for patients with musculoskeletal dysfunction.	8	8	6	8	0
Physical Therapy	PHTH	5262	Physical Therapy Prac Issues 2	Discussion of methods and approaches to physical therapy research.	1	1	1	0	0
Physical Therapy	PHTH	5282	Clinical Practicum 2	Exposure to health care settings related to musculoskeletal healthcare through half-day, on-site observational experiences.	1	1			4
Physical Therapy	PHTH	7303	Functional Structural Move 3	The kinesiology of gait and the gross anatomy and physiology of the nervous system.	4	4	3	3	
Physical Therapy	PHTH	7313	Intro to Pathophysiology 3	The pathophysiology of the neuromuscular system.	2	2	2		
Physical Therapy	PHTH	7333	Found Exam, Eval, Inter 3	Fundamental patient care skills including basic examination, evaluation, diagnosis, prognosis, intervention, outcomes and documentation of gait deviations and for patients with neuromuscular dysfunction.	8	8	6	8	
Physical Therapy	PHTH	7363	PT Practice Issues 3	Discussions of legislative issues in health care, principles of motor learning and motor control, clinical outcomes research, and evidence based practice.	1	1	1		
Physical Therapy	PHTH	7383	Clinical Practicum 3	A one-week full time hands-on exposure to patient care in a physical therapy setting.	1	1			4

Physical therapy settings include specialty clinics, long-term care facilities, hospitals, and school systems.

Physical Therapy	PHTH	7390	PT Case Management	Presentation of specific cases for students to manage from referral to discharge utilizing given information with increasingly complicated scenarios. Students work in small groups to develop the total management of each case. The cases presented will link this course to all other courses in this and the previous semesters.	3	3	2	2
Physical Therapy	PHTH	7400	Critical Inquiry in Phys Thera	Critical analysis of the physical therapy research literature.	2	2	2	
Physical Therapy	PHTH	7481	Supervised Clinical Educ 1	Eight weeks of full time clinical affiliation in general care settings providing an opportunity for students to practice in the clinical setting the skills learned in all preceding courses	8	8		40
Physical Therapy	PHTH	7491	Clinical Education Synthesis 1	Small group discussions integrating didactic and clinical learning experiences using case studies based on clinical experiences in Supervised Clinical Education 1.	2	2		2
Physical Therapy	PHTH	7501	Clinical Medicine 1	Study of the pathophysiology, medical differential diagnosis and pharmacological and surgical treatment of medical diseases and disorders seen in neonates, children and adolescents.	3	3	3	
Physical Therapy	PHTH	7531	Adv Exam, Eval and Interven 1	Advanced patient care skills including examination, evaluation, diagnosis, prognosis, intervention, outcomes and documentation of neonates, children and adolescents.	8	8	6	4
Physical Therapy	PHTH	7561	Impl of Lifespan Conc in PT 1	Developmental theories, clinical perspectives and health care issues for neonates, children and adolescents.	2	2	2	

Physical Therapy	PHTH	7602	Clinical Medicine 2	Study of the pathophysiology, medical differential diagnosis and pharmacological and surgical treatment of medical diseases and disorders seen in young and middle aged adults.	3	3	3		
Physical Therapy	PHTH	7632	Adv Exam, Eval and Interven 2	Advanced Examination, Evaluation and Intervention 2	8	8	6	4	
Physical Therapy	PHTH	7662	Impl of Lifespan Conc in PT 2	Developmental theories, clinical perspectives and health care issues for young and middle aged adults.	2	2	2		
Physical Therapy	PHTH	8901	Physical Therapy Project	Conducting a research project as part of the project advisor's ongoing research activities.	1	1		2	
Physical Therapy	PHTH	8902	Physical Therapy Project 2	Conducting a research project as part of the project advisor's ongoing research activities.	1	1		2	
Physical Therapy	PTHP	7061	Seminar in Physical Therapy 6	Graduate student colloquium to provide an opportunity for the discussion of current professional literature and issues in physical therapy.	1	1			40
Physical Therapy	PTHP	7101	Evi Based Prac-Research	Contents include literature search, foundations of clinical research (including ethical issues in clinical research, Institutional Review Board procedures), and concepts of measurement (including principles of measurement, reliability and validity of measurements), and how to evaluate research reports (article critique).	1	1	3	0	0
Physical Therapy	PTHP	7111	Prof Prac Expectations I	Professional Practice Expectations I (Professional Socialization) is designed to assist students as they assume the role of professional, both as a student in an educational program and ultimately as a provider functioning effectively as a member of the health care team. The student will be introduced to the core documents governing the profession, the professional organization and the role of advocacy, generic	1	1	1	1	0

abilities/professional behaviors, and the assessment and organizational skills necessary for successful practice.

Physical Therapy	PTHP	7121	Gen Concepts Pt Mgmt I	This course is designed to introduce the student to general physical therapy examination, evaluation, diagnosis and prognosis. Topics include introduction to the Guide for Physical Therapy, the disablement model, physical therapy diagnosis, clinical decision-making, documentation and outcomes. The student will begin to develop examination skills that include general systems review, patient interviewing techniques and introduction to tests and measures appropriate for general screens. Course content will be presented in a modified problem/case format and will include small group study, interactive labs, resource and lecture sessions.	3	3	2	2	0
Physical Therapy	PTHP	7202	Research 2	Content includes literature search, article critique, beginning to identify a research question.	1	1	0	2	0
Physical Therapy	PTHP	7211	Applied Physiology	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)	3	3			
Physical Therapy	PTHP	7222	Found of Physical Therapy	This course is designed to provide students with the foundational skills for physical therapy practice. Students will describe and appraise normal human motion to provide a conceptual framework for assessing abnormal motion. Current and relevant issues in physical therapy will be examined. Basic elements of physical therapy management	6	6	3	6	0

including examination, evaluation and diagnosis will be discussed.

Physical Therapy	PTHP	7223	Gen Con Patient Mgmt II	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.	3	3	2	2	0
Physical Therapy	PTHP	7303	Research 3	Contents include experimental control, selecting an appropriate experimental design, single-subject design, surveys, epidemiology, analysis, and project proposal (written report and slide presentation).	2	2	1	2	0
Physical Therapy	PTHP	7313	Prof Pract Expect III	Professional Practice Expectations III (Teaching and Learning in the Health Care Environment) is designed to assist the student in applying concepts of the teaching learning process to physical therapy practice in a variety of settings (academic, clinical, and professional). Students will work in groups to plan, implement, and assess the efficacy of several learning activities.	2	2	1	2	0
Physical Therapy	PTHP	7331	Orthopaedics 1	Student groups will work through problems and case studies related to peripheral joint pathology, impairments, functional limitations, and disabilities. Emphasis will be placed on examination, evaluation, intervention, and	6	6	3	6	0

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 4. evaluation, intervention, and physical therapy diagnosis skills related to the appendicular skeleton. Basic science principles will be integrated with examination and intervention. Both didactic and lab sessions will be used during this unit.

Physical Therapy	PTHP	7341	Medical Conditions 1	This course is designed to provide 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 will be presented in modified problem/case based format and will include small group study, interactive labs, resource and lecture sessions.	6	6	3	6	0
Physical Therapy	PTHP	7710	Clinical Experience 2	Students are assigned to clinical facilities where, under the direct supervision of a physical therapist, they use the knowledge and skills learned in the classroom to evaluate and treat medical and surgical problems with emphasis on orthopedic conditions. They document their work using	8	8	0	0	40

conditions. They document their work using proper format and terminology, research information about problems with which they are unfamiliar, perform other duties pertinent to the duties of a physical therapist. Prerequisite: Completion of all previous MPT coursework or permission of the instructor.

Physical Therapy	PTHP	8132	Orthopaedics 2	Student groups will work through problems and case studies related to spinal pathology, impairments, functional limitations, and disabilities. Emphasis will be placed on examination, evaluation, intervention, and physical therapy diagnosis related to the spine and axial skeleton. Content will include: 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 3. new examination, evaluation, intervention, and physical therapy diagnosis skills related to the spine and axial skeleton. Basic science principles will be integrated with examination and intervention.	3	3	2	2	0
Physical Therapy	PTHP	8133	Integ for Prac Med Cond II	The study of the pathological, medical, therapeutic and communication concepts relevant to patients with complex medical and surgical problems. Special emphasis is placed on the patient with multiple medical problems in the critical care unit, patients following burns and amputations, and patients with obstetrical and gynecological disorders. Prerequisite: Successful completion of all previous courses in curriculum	6	6	4	6	0



Physical Therapy	PTHP	8170	Research 1	Students will identify problem to be studied, develop hypothesis, conduct literature search and write research proposal. Prerequisite: Completion of all previous MPT coursework or permission of the instructor.	3	3	2	2	0
Physical Therapy	PTHP	8191	Clinical Experience 1	This is 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 prognosis and expected outcomes and intervention plan and implement that plan 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 health care team	8	8	0	0	40
Physical Therapy	PTHP	8204	Research 4	Contents include data collection and seminar. Prerequisites: Successful completion of previous DPT coursework.	1	1	0	2	0
Physical Therapy	PTHP	8214	Prof Prac Expec IV	Professional Practice Expectations IV (Professional Development) is designed to further facilitate the development of each student as a professional. Groups of students will be involved in advocacy roles in the community and profession. This course provides an opportunity for students to research, present, and facilitate a peer discussion on a current issue affecting the delivery of physical therapy services. Prerequisites: Successful completion of previous DPT coursework.	1	1	1	1	0

Physical Therapy	PTHP	8240	Integ for Prac NeuroMuscular	The course addresses the physical therapy management of individuals with neurologic dysfunction. With an emphasis on the relationship the rehabilitation process to contemporary theories of motor control. Learning will occur in reference to a series of case problems that cover the following pathologic categories: cerebrovascular accidents, neuromuscular disorders, injury to the central nervous system, degenerative diseases, and inflammatory and infectious disorders of the nervous system. Prerequisite: Successful completion of all previous courses in curriculum	7	7	20	10	0
Physical Therapy	PTHP	8242	Medical Conditions 2	This course is designed to provide 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 will be presented in modified problem/case based format and will include small group study, interactive labs, resource and lecture sessions.	4	4	2	4	0
Physical Therapy	PTHP	8243	Medical Conditions 3	This course is designed to provide 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 will be placed on the patient with multiple medical problems in the critical care unit, the post surgical patient with amputations, patient with obstetrical and gynecological disorders and patients with	6	6	3	6	0

cancer. End of life issues will be discussed. Wellness and prevention as it relates to the geriatric population will be studied along with PT issues pertaining to the frail elderly population. Course content will be presented in modified problem/case based format and will include small group study, interactive labs, resources and lecture sessions. Prerequisites: Successful completion of previous DPT coursework.

Physical Therapy	PTHP	8291	Clinical Experience 2		8	8	0	0	40
Physical Therapy	PTHP	8304	Seminar in Phy Therp IV		1	1	1	0	0
Physical Therapy	PTHP	8305	Research 5	Contents include data collection, analyses, and seminar. Prerequisites: Successful completion of previoius DPT coursework.	1	1	0	2	0
Physical Therapy	PTHP	8315	Prof Practice Expectations 5	Professional Practice Expectations V (Legal and Ethical Issues in Health Care) is designed to provide the students with the ethical principles, laws and rules that regulate and guide the practice of physical therapy nationally and in Georgia. Students will demonstrate application and integration of these guidellines via case studies based on ethical and legal situations frequently encountered in the clinical settings. Prerequisites: Successful completion of previous DPT coursework.	1	1	1	1	0
Physical Therapy	PTHP	8341	Integration for Practice Peds		4	4	12	3	0
Physical Therapy	PTHP	8351	Integration for Prac	Through a series of problems, cases and	8	8	4	8	0

Neuromusc

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 will be expected to use this information to develop a plan for interventions to meet patient-centered goals. There will be a variety of learning experiences available for each student, including the tutorial group process for problems and interactin with persons with neurological disease or injury. There will be computer patient stimulations, as well as hands-on lab activities with students and/or faculty simulating patients in which students will practice techniques for examination and techniques for examination and interventions for physical therapy problems. Prerequisites: Successful completion of previous DPT coursework.

Physical Therapy	PTHP	8361	Management	This course is designed to assist the student in the development of managerial skills pertinent to the healthcare environment. Students will apply knowledge of marketing, reimbursement, legislation/regularion, risk mamagement, and quality control to the design and operation of a physical therapy practice. The functions and characteristics of an effective manager will be discussed and practiced. Prerequisites: Successful completion of previous DPT coursework.	4	4	2	4	0
Physical Therapy	PTHP	8372	Research 2		3	3	2	2	0
Physical Therapy	PTHP	8373	Int for Prac Management		6	6	7	5	0

Physical Therapy	PTHP	8474	Elective		2	2	2	0	40
Physical Therapy	PTHP	8492	Clinical Experience 3		12	12	0	0	97
Physical Therapy	PTHP	9106	Research 6	Contents include finishing up data collection, analyses, final written report and slide presentation. Prerequisites: Successful completion of previous DPT coursework.	1	1	0	2	0
Physical Therapy	PTHP	9116	Prof Prac Expectations 6	Professional Practice Expectations VI is designed as 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. Prerequisites: Successful completion of previous DPT coursework.	1	1	1	0	0
Physical Therapy	PTHP	9144	Medical Conditions 4	Student groups will work through problems and case studies related to patients with lower and upper limb amputations. Students will 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 will include: 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	1	1	1	1	0

the patient with an emphasis on gathering information related to prosthetic prescription and prosthetic training. Basic science principles will be integrated with examination, evaluation and intervention. Prerequisites: Successful completion of previous DPT coursework:

Physical Therapy	PTHP	9152	Pediatrics	This course is designed to provide students with the study of human development with emphasis on children under five. The primary emphasis will be on the assessment, evaluation, diagnosis, prognosis and intervention in children with neuromusculoskeletal disorders. Students will be expected to use this information to develop interventions to meet patient-centered goals. There will be a variety of learning experiences used in this course. Prerequisites: Successful completion of previous DPT coursework.	4	4	3	2	0
Physical Therapy	PTHP	9171	Integrated Patient Management	This course is designed to provide 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 will be placed on clinical decision-making related to various pathologies. Content will be presented using a variety of instructional strategies to include lecture/discussion, small group activities and lab participation. The emphasis of the course	3	3	1	4	0

lab participation. The emphasis of the course is a "hands-on" approach whenever possible. The course will culminate in a comprehensive exam. Prerequisites: Successful completion of previous DPT coursework.

Physical Therapy	PTHP	9292	Clinical Experience 2	This is 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 health care team. Prerequisites: Successful completion of previous DPT coursework.	16	16	0	0	40
Physical Therapy	PTHP	9393	Clinical Experience 3	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	12	12	0	0	40

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 health care team. Prerequisites: Successful completion of previous DPT coursework.

Physical Therapy	PTHP	9394	Elective	The student will 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. Prerequisites: Successful completion of previous DPT coursework.	4	4	0	0	40
Physical Therapy	PTHP	9501	Evidence Based Practice I	A detailed study of the concepts, methods and strategies of evidence based practice as it relates to physical therapy. The focus will be on an in depth assessment of the value of different levels of evidence as it relates to determining best practice in physical therapy and study of the evaluation, critical appraisal and systematic review of evidence. Emphasis will be placed on student evaluation of current outcome assessment measures in their current field of practice or interest. Course Prerequisites: Admission to the DPT	1	1			



Program. Eligible for Licensure.

Physical Therapy	PTHP	9502	Diagnostic Imaging for PT	This course includes the pertinent diagnostic medical tests for patients with orthopedic/spinal dysfunction cardiopulmonary, integumentary, and neuromuscular disorders. Diagnostic tests pertinent to physical therapy diagnosis in the major body systems will be emphasized.	4	4
Physical Therapy	PTHP	9503	Pharmacology for PT	This course includes the pertinent clinical pharmacology for patients with orthopedic/spinal, cardiopulmonary, and neuromuscular disorders. Commonly prescribed pharmacology agents used for gastrointestinal, genitourinary, and endocrine system disorders will also be explored. Pharmacokinetics and pharmacodynamics, indications and contraindications of various drugs will be discussed relative to their effect on diagnosis, prognosis, and interventions in physical therapy. Additionally, the physiological processes in major body systems will be studied with particular emphasis on changes that occur considering variables such as age, environment, race, and gender.	4	4
Physical Therapy	PTHP	9504	PT in Prevent, Fit, Well & Hea	This course addresses the role of physical therapists in prevention, fitness, wellness and health promotion. Activity, nutrition, and wellness are explored using Guidelines from the Center for Disease control and Prevention and the United States Department of Agriculture.	4	4
Physical Therapy	PTHP	9505	Evidence Based Practice II	A detailed study of the concepts, methods and strategies of evidence based practice as	4	4

it relates to physical therapy. The focus will be on an in depth assesment of the value of different levels of evidence as it relates to determining best practice in physical therapy and a study of the evaluation, critical appraisal and systematic review of evidence. Emphasis will be placed on student evaluation of current treatments or interventions in their current field of practice or intrest.

Physical Therapy	PTHP	9506	Ethical/Legal Inplic for PT Pr	This is an advanced course that addresses legal and ethical implications for physical therapy practice in the current healthcare environment. The student will examine the various realms of ethics and the implications for current practice. The student will also examine the evolving roles for the profession as affected by such factors as changing societal demands, trends in healthcare, government regulations, and the expanding body of knowledge.	4	4			
Physician Assistant	PHAS	3470	Med Commun Skill Term PA	Learn and develop effective terminology and communication skills for eliciting patient histories and communicating this information to other members of health care team. Emphasis given to performing competent medical interviews. Skills practiced in Clinical Medicine I and II.	2	2	2	0	0
Physician Assistant	PHAS	3480	Psych-Soc Issue Health Care	Exposure to social psychology applied to general medicine practice. Topics include interpersonal relations, family problems, human sexuality, children's special needs, minority group health needs, effects of chronic illness, and death and dying.	1	1	2	0	0
Physician Assistant	PHAS	3990	Independent Study	Independent study may provide additional or	1	1	0	0	0

initial exposure to the didactic material under the supervision of a faculty member.

Physician Assistant	PHAS	4010	Preceptorship	required rotation generally selected as the last rotation during enrollment. Students may select from any primary care area such as family practice, pediatrics, internal medicine or general surgery. Prerequisite: All Phase I and II courses	6	6	0	0	40
Physician Assistant	PHAS	4030	Family Practice	Encounter a variety of clinical problems in family practice setting. Prerequisite: All Phase I courses	6	6	0	0	40
Physician Assistant	PHAS	4040	Internal Medicine	Evaluate and manage patients with a variety of medical problems such as diabetes, hypertension, respiratory diseases, cardiac diseases and other major system disorders. Prerequisite: All Phase I courses	6	6	0	0	40
Physician Assistant	PHAS	4050	Pediatrics	Learn to evaluate health problems that occur from birth through adolescence. Prerequisite: All Phase I courses	6	6	0	0	40
Physician Assistant	PHAS	4060	Obstetrics and Gynecology	Learn to evaluate and manage health issues associated with female organs including pregnancy. Prerequisite: All Phase I courses	6	6	0	0	40
Physician Assistant	PHAS	4070	Mental Health	Learn to evaluate, manage and make dispositions on a variety of mental health problems. Prerequisite: All Phase I courses	6	6	0	0	40
Physician Assistant	PHAS	4180	Surgery	Students encounter principles of surgical management of patients including: preoperative, postoperative and operating room care. Prerequisite: All Phase I courses	6	6	0	0	40
Physician Assistant	PHAS	4200	Emergency Medicine	Learn to evaluate and manage a variety of problems that typically present to a hospital ER and to master procedures that are commonly performed. Prerequisite: Phase I	6	6	0	0	40

commonly performed. Prerequisite: Phase I courses

Physician Assistant	PHAS	5010	Medical Terminology	Instruction to equip students with strong skills in medical communication and terminology and its application to patient care. Prerequisites: Admission to PA Program	1	1	1		
Physician Assistant	PHAS	5015	Medical Communications	This course will present the skills necessary for obtaining a complete medical history and enhancing good communication among patients and healthcare team members.	2	2	2		
Physician Assistant	PHAS	5020	Genetics	A survey course of medical genetics using case-based instruction. Prerequisite: Admission to the PA Program	1	1	1		
Physician Assistant	PHAS	5025	Intro to Clinical Medicine	Introductory concepts to pathophysiology, laboratory medicine, and diagnostic studies.	2	2	2	1	
Physician Assistant	PHAS	5030	Med Spanish and Cultu Competen	An introductory course in Medical Spanish for health care professionals. Explores different cultures and their perception of medical care. Prerequisites: Admission to the PA Program	1	1	1		
Physician Assistant	PHAS	5100	Ethics and Professional Issues	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 health care 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. Prerequisite: Admission to the PA program.	1	1	0	0	2

Physician Assistant	PHAS	5110	History & Physical Assessment	Teaches the basics of history taking and physical examination skills and techniques. Introduces variations of normal and common abnormal physical findings. Prerequisite: Admission to the PA program; successful completion of summer semester coursework.	5	5	0	0	0
Physician Assistant	PHAS	5115	Physical Assessment	This course will present the skills necessary for obtaining a complete medical history and enhancing good communication among patients and healthcare team members.	3	3	3		
Physician Assistant	PHAS	5120	Principles of Pharmacology	Focuses on the principles of pharmacology, mechanism of action, toxicology and drug distribution. Prerequisite: Admission to the PA program; successful completion of summer semester coursework.	3	3	0	0	0
Physician Assistant	PHAS	5130	Clinical Medicine 1	Clinically-oriented didactic preparation for clinical rotations and future clinical practice. Etiology, pathophysiology, clinical manifestations, and appropriate management of Dermatology, ENT, and Ophthalmology Prerequisite: Introduction to Clinical Medicine (PHAS 5025), or Permission of instructor	6	6	5	2	0
Physician Assistant	PHAS	5140	Clin Skill Integration & App I	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. Prerequisite: Admission to the PA program; successful completion of summer and fall semester coursework.	1	1	0	0	4
Physician Assistant	PHAS	5200	Behavioral Medicine	General survey of fundamental principles underlying human behavior, development,	2	2	0	0	0

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. Prerequisite: Admission to the PA Program, successful completion of summer and fall semester coursework.

Physician Assistant	PHAS	5210	Pharmaco-therapeutics 1	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. Prerequisites: Admission to the PA Program, successful completion of summer and fall semester coursework.	3	3	2	2	0
Physician Assistant	PHAS	5220	Clinical Medicine 2	Clinically-oriented didactic preparation for clinical rotations and future clinical practice. Etiology, pathophysiology, clinical manifestations, and appropriate management of selected disease entities in GI, cardiovascular, pulmonary, GU and neurology using case-based instruction. Prerequisites: Admission to the PA Program, successful completion of summer and fall semester coursework.	14	14	2	0	0
Physician Assistant	PHAS	5225	Applied Clinical Physiology I	Advanced concepts in human physiology will be presented in lecture format; topics will correlate with organ systems being taught in Clinical Medicine II. Prerequisites: Admission to Physician Assistant Program, SAHS 7110 Principles of Human Physiology.	1	1	1		
Physician Assistant	PHAS	5230	Clin Skills Integra & App II	Clinical training using both real and standardized patients for obtaining histories	1	1	0	0	5

and performing physical exams. Enhances acquisition of skills necessary to formulate a diagnosis and treatment plan using case-based instruction. Continuation of PHAS 5140. Prerequisites: Admission to the PA Program, successful completion of summer and fall semester coursework.

Physician Assistant	PHAS	5300	Pharmacotherapeutics 2	General principles of pharmacotherapeutics as related to medications used in treatment of injury or disease conditions affecting body systems discussed in PHAS 5130, 5220 & 5310 using care-based instruction. Prerequisites: Admission to the PA Program, successful completion of summer, fall and spring semester coursework.	3	3	2	2	0
Physician Assistant	PHAS	5310	Clinical Medicine 3	Clinically-oriented didactic preparation for clinical rotations and future clinical practice. Etiology, pathophysiology, clinical manifestations, and appropriate management of selected disease entities in hematology, oncology, Ob/Gyn, Pediatrics, Orthopedics, Rheumatology and Infectious Disease using case-based instruction. Prerequisites: Admission to the PA Program, successful completion of summer, fall and spring semester coursework.	10	10	9	2	0
Physician Assistant	PHAS	5315	Applied Clinical Physiology II	Advanced concepts in human physiology will be presented in lecture format, topics will correlate with organ systems being taught in Clinical Medicine II. Prerequisites: Admission to Physician Assistant Program, SAHS 7110.	1	1	1		
Physician Assistant	PHAS	5320	Emergency	Clinically oriented didactic course used as a	2	2	2	0	0

Medicine 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. Prerequisites: Admission to the PA Program, successful completion of summer, fall and spring semester coursework.

Physician Assistant	PHAS	5330	Surgery	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. Prerequisites: Admission to the PA Program, successful completion of summer, fall and spring semester coursework.	2	2	1	2	0
Physician Assistant	PHAS	5340	Clin Skills Integra & App III	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. Prerequisites: Admission to the PA Program, successful completion of summer, fall and spring semester coursework.	1	1	0	0	5
Physician Assistant	PHAS	5350	Evi-based Medicine	Instruction to equip students with the	1	1	1	0	0



II Research      necessary skills to understand basic research methods, epidemiology concepts and its application to patient care using evidence-based medicine practices and case-based instruction. Prerequisites: Admission to the PA Program, successful completion of summer, fall and spring semester coursework.

Physician Assistant	PHAS	6010	Int Med & Critical Care Practi	Application of basic medical knowledge to problems and situations encountered in internal medicine practice. Data base collection, formulation of complete problem list, and participation in daily rounds and management of patient problems provides awareness of complexity of disease processes and differential diagnosis. Prerequisites: Successful completion of PA didactic coursework.	6	6	0	0	40
Physician Assistant	PHAS	6020	Surgery Practicum	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. 40 hours per week for 4 weeks. Prerequisites: Successful completion of PA didactic coursework.	4	4	0	0	40
Physician Assistant	PHAS	6025	Orthopedics Practicum	Assignment to an orthopedic surgical team to learn routine 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. 40 hours per week for 4 weeks. Prerequisites: Successful	4	4	0	0	40

completion of PA didactic coursework.

Physician Assistant	PHAS	6030	Family Practice Practicum	Emphasis on outpatient evaluation and treatment of conditions common at family medicine/primary care level. Appropriate health maintenance measures for different age groups. Course prerequisites: Completion of didactic phase of PA Curriculum.	6	6	0	0	40
Physician Assistant	PHAS	6040	Emergency Medicine Practicum	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. 40 hours per week for 4 weeks. Prerequisites, successful completion of PA didactic coursework.	4	4	0	0	40
Physician Assistant	PHAS	6050	Pediatrics Practicum	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. 40 hours per week for 4 weeks. Prerequisites, successful completion of PA didactic coursework.	4	4	0	0	40
Physician Assistant	PHAS	6060	Behavioral Medicine Practicum	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. 40 hours per week for 4 weeks. Prerequisites, successful completion of PA didactic	4	4	0	0	40

Successful completion of PA didactic coursework.

Physician Assistant	PHAS	6070	Ob/Gyn Practicum	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. Prerequisites, successful completion of PA didactic coursework.	4	4	0	0	40
Physician Assistant	PHAS	6080	Preceptorship	Focus on clinical settings in area of student's medical vocational interest. 40 hours per week for 4 weeks. Prerequisites, successful completion of PA didactic and clinical coursework.	4	4	0	0	40
Physician Assistant	PHAS	6090	Elective Clinical Practicum	Focus on community settings in area of student's medical vocational interest. 40 hours per week for 4 weeks. Prerequisites, successful completion of PA didactic coursework.	4	4	0	0	40
Physician Assistant	PHAS	6100	Resh Com Svc Proj Teach Pract	Focus on completing research or community service learning project and developing skills as a teacher/educator with field experience. 40 hours per week for 4 weeks. Prerequisites, successful completion of PA didactic coursework.	4	4	0	0	40
Physician Assistant	PHAS	6900	Independent Course Study	Independent study will provide additional or initial exposure to course material under faculty supervision. Prerequisites: Permission of the Physician Assistant Department.	1	1			
Physician Assistant	PHAS	8022	Concepts Health Care Delivery	A course for health care professionals on the non-technical aspects of health care. Examples of topics to be covered are areas in quality assurance, risk management, Medicaid, Medicare, other third party payers, home health care, malpractice, ethics, etc.	3	3	3	0	0

home health care, malpractice, ethics, etc.  
Prerequisite: Admission to M.S. program

Physician Assistant	PHAS	8023	Geriatrics	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. Prerequisite: Admission to a Masters Program	3	3	2	0	2
Physician Assistant	PHAS	8024	Health Prom Disease Prevention	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. Prerequisite: Admissions to Masters Program	3	3	0	0	6
Physician Assistant	PHAS	8027	Occ Indust Med Clin Practicum	Designed to expose the student to the role of the Physician Assistant in an occupational or industrial setting. The student will work under the supervision of the physician preceptor learning to evaluate and manage patients and to evaluate the workplace from a health, safety, and ergonomic standpoint. Prerequisite: Admission to a Masters Program	3	3	0	0	6
Physician Assistant	PHAS	8028	Rural Hlth Ind Study Clinical	Supervised exposure to a population of patients with undifferentiated health problems and participation in the evaluation and management of those problems. The student becomes more aware of the uniqueness of rural health care practice. Prerequisite: Admission to a Masters Program	3	3	0	0	6

Physician Assistant	PHAS	8048	Psychosocial issue in Medicine	Survey of more common psychosocial problems encountered by health professionals. Students will participate in lectures, discussions, role-playing, and case studies. There will be an emphasis on improving communication skills, development of counseling skills, and integration of knowledge of psychosocial principles with the clinical situation. Prerequisite: Admission to Masters Program	3	3	3	0	0
Physician Assistant	PHAS	8700	Eval of Urologic Patient	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. Prerequisite: Acceptance in the Urology postgraduate physician assistant residency program	1	1	2	0	2
Physician Assistant	PHAS	8701	Clinic Urology Core 1	Applies previously learned history taking skills and appropriate physical examination skills to integrate them into a patient evaluation, diagnostic plan, and collation of data. Prerequisite: Acceptance in the Urology postgraduate physician assistant residency program	4	4	2	0	2
Physician Assistant	PHAS	8702	Clinic Urology Core 2	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. Prerequisite: Successful completion of Clinical Urology, Core I	4	4	2	0	2
Physician Assistant	PHAS	8703	Clinic Urology Core	Builds on skills acquired during previous two	5	5	2	0	2

core courses with increasing independence of action. Prerequisite: Successful completion of Clinical Urology, Core II

Physician Assistant	PHAS	8710	Urologic Pharmacology	Expands knowledge of pharmaceuticals to include commonly used medication in the practice of urology as well as pharmaceuticals uniquely used in this practice. Prerequisite: Acceptance in the urology postgraduate physician assistant residency program	1	1	2	0	2
Physician Assistant	PHAS	8720	Radiographic Evaluation	Equips the physician assistant resident with knowledge to obtain, interpret, and apply data from radiographic studies. Prerequisite: Acceptance in the urology postgraduate physician assistant residency program	3	3	2	0	2
Physician Assistant	PHAS	8730	Urodynamics	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. Prerequisite: Acceptance in the Urology postgraduate physician assistant program	3	3	2	0	2
Physician Assistant	SAHS	7110	Principles of Human Physiology	Basic Concepts in human physiology will be presented in lecture and case study format. Prerequisites: Admission to Physician Assistant Program or permission of instructor	3	3	3		
Radiologic Technology	ANAT	3100	Sectional Anatomy	Supplement to radiologic science student's general knowledge of radiologic anatomy through presentation of sectional human anatomy. Anatomy recognition via diagrams, human sections, and radiologic images (including but not limited to CT, MR and sonologic scans) will focus on the head, thorax, abdomen, and pelvis. Content serves	2	2	0	0	4

as a foundation for further study in imaging modalities. Prerequisite: Admission to department programs.

Radiologic Technology	ANAT	3320	Systemic Anatomy	Study of the Anatomy of the Human Body as applicable to Clinical Practice. Lectures, laboratory and demonstration materials are directed studies.	5	5	15	35	0
Radiologic Technology	ANAT	7300	Musculoskeletal Anatomy		4	4		1	
Radiologic Technology	BRTC	3100	Intro Radiologic PT Care	Presentation of fundamental patient care skills needed for entry level radiologic science professionals. Content includes medical assessment, physical assessment, physical assistance, infection control and aseptic technique, drug administration, patient special needs, and medical emergencies. Prerequisite: Admission to program.	1	1	1	0	0
Radiologic Technology	BRTC	3105	Intro Radiologic PT Care Lab		1	1	0	2	0
Radiologic Technology	BRTC	3120	Prof Patient Interaction	Introduction to imaging professional - patient interaction including: profile of imaging professionals, profile of patients in general, elements of effective communication and interaction, and specific patient vignettes. Psychosocial, ethical and medico legal issues are incorporated. Prerequisites: Admission to the program.	1	1	1	0	0
Radiologic Technology	BRTC	3180	Intro Diag Imaging to Rad Ther	Introduction to each of the imaging and therapeutic disciplines within radiologic sciences with focus on understanding the various disciplines through independent research, observing patients undergoing procedures within these disciplines, and didactic presentations. Prerequisite:	1	1	1	0	0

graduate presentations. Prerequisite:  
Admission to program.

Radiologic Technology	BRTC	4140	Adv Radiolog Patient Care	Patient care with emphasis on assessment and medical response in critical care situations. Review and evaluation of patient assessment and treatment protocols. ACLS Prerequisite: Admission to department program	2	2	0	0	4
Radiologic Technology	BRTC	4160	Path for Radiologic Sciences	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: Admission to program.	2	2	0	0	4
Radiologic Technology	BRTC	4400	Mgmt Radiology Department	Application of principles of business administration and personnel management to radiology department, including study of budgeting and financing, personnel interaction, patient scheduling, design and equipment purchasing, and concepts of quality management. Prerequisite: Admission to department program	2	2	0	0	4
Radiologic Technology	BRTC	4620	Rschn Dsgn Stat Mth Rad Sc	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	3	3	3	0	0



and develop it into a research proposal.  
 Prerequisite: Elementary statistics or  
 permission of instructor.

Radiologic Technology	CLSC	3560	Immunology Bas Lab Technq	The course includes basic immunology analyses in didactic and lab experiences as prerequisite to clinical immunology internship course.	3	3	0	4	0
Radiologic Technology	MDOS	4600	Applied Research	Pursuit of a topic or course of study, or investigation of a problem, of interest to student and approved by instructor.	1	1	1	0	0
Radiologic Technology	MDOS	4644	Med Dosimetry Clin Internship	Monthly clinical experiences which include, but are not limited to annual calibrations of equipment with a physicist, dose calculations and treatment planning, radiation safety and quality assurance. Prerequisite: Admission to the program.	5	5	0	0	30
Radiologic Technology	MDOS	4645	Med Dosimetry Clin Intern	Monthly clinical experiences which include, but are not limited to annual calibrations of equipment with a physicist, dose calculations and treatment planning, radiation safety and quality assurance.	6	6	0	0	36
Radiologic Technology	MDOS	4646	Med Dosimetry Clin Intern	Monthly clinical experiences which include, but are not limited to annual calibrations of equipment with a physicist, dose calculations and treatment planning, radiation safety and quality assurance. Prerequisite: Admission to the program.	6	6	0	0	36
Radiologic Technology	MDOS	4648	Applied Project	Directed project in which the student works independently on a project related to radiation oncology or medical dosimetry. Prerequisite: Admission to the program.	4	4	4	0	0
Radiologic Technology	MDOS	4649	Adv Treatment Planning	This course presents general principles of 3D data acquisition and treatment planning. Recognition of human anatomy in three dimensions.	3	3	3	0	0

dimensional planes, dose tolerances of critical structures and prior knowledge of radiation equipment will be utilized. The student will research evaluate, justify and accurately implement treatment plans in the clinical setting Prerequisite: None

Radiologic Technology	NMMT	3600	Intro to Nuclear Cardio	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. Prerequisite: NMMT 3611 and NMMT 3612	3	3	2	0	1
Radiologic Technology	NMMT	3611	Prin & Prac of Nuc Med I	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.) Prerequisite: Admission to NMT program.	3	3	3	0	0
Radiologic Technology	NMMT	3612	Prin and Prac	Rationale, procedures and technical aspects,	3	3	3	0	0

Nuclear Med II 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. Prerequisite: Pass NMMT 3611 or NMMT 3611 Gwinnette

Radiologic Technology	NMMT	3621	Prin Prac of Nuclear Med Lab I	Web-Based Course. Radiopharmaceutical preparation and quality control, anatomy, and positioning, and the rationale, procedures, and technical aspects of routine imaging procedures are presented. (Part 1 of a two part course.)	1	1	0	2	0
Radiologic Technology	NMMT	3622	Prin Prac of Nuc Med Lab II	Laboratory and research exercises to support techniques of radiopharmaceutical preparatin 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. Prerequisites: Passing grade in NMMT 3611 amd NMMT 3621 and co-enrollment in NMMT 3612.	1	1	0	1	0
Radiologic Technology	NMMT	3623	Clinical Correlation Seminar	Study of nuclear medicine through literature review, discussion groups, and student or guest presentations. Prerequisite: NMMT 3611 AND NMMT 3612	2	2	2	0	0
Radiologic Technology	NMMT	3631	Applied Research 1	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: Enrollment in NMT Program.	1	1	1	0	0

Radiologic Technology	NMMT	3632	Applied Research 2	Web-based course. Students select a basic research topic for clinical application. A suitable paper or report is required. Credit to be awarded is based on the level of difficulty of the project. Prerequisites: Enrollment in the NMT Program.	1	1	0	0	2
Radiologic Technology	NMMT	3641	Clinical Internship	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. Prerequisite: Admission to program.	3	3	0	0	24
Radiologic Technology	NMMT	3642	Clinical Internship	Student observes, assists, and performs routine and cardiac procedures as well as functional studies under supervision of clinical instructor. Prerequisite: NMMT 3641 or NMMT 3641G	3	3	0	0	24
Radiologic Technology	NMMT	4600	Adv Prac in Nuclear Medicine I	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 Prerequisite: Completion of Junior year in Nuclear Medicine Technology Program or Nuclear Medicine Technology Certificate	2	2	2	0	4
Radiologic Technology	NMMT	4602	Applied Research	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: Admission to NMT Program	2	2	0	0	4

Radiologic Technology	NMMT	4610	Adv Prac in Nuc Med Lab I		1	1	0	2	0
Radiologic Technology	NMMT	4631	Applied Research 3	Web-Based course. 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: Enrollment in the NMT Program.	1	1	1	0	0
Radiologic Technology	NMMT	4641	Clinical Practicum	Student performs routine and special function procedures under minimal supervision of the clinical instructor, 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, computer utilization, special radiochemistries and radiopharmacy procedures, CT, ultrasound, or MRI as well as routine nuclear procedures Prerequisite: Senior level status in Nuclear Medicine Technology	2	2	0	0	16
Radiologic Technology	NMMT	4642	Clinical Practicum	Student performs routine and special function procedures under minimal supervision of the clinical instructor, 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, computer utilization, special radiochemistries and radiopharmacy procedures, CT, ultrasound, or MRI, as well as routine nuclear procedures Prerequisite: NMMT 4641 or NMMT 4641G	2	2	0	0	16

Radiologic Technology	NMMT	4650	Adv Prac in Nuclear Med II	Advanced techniques and knowledge of new imaging and therapy technology, and technical aspects of advanced imaging. Prerequisites: Successful completion of NMT junior or certificate year, or RT(N) or CNMT credential.	2	2	2	0	0
Radiologic Technology	NMMT	4651	Adv Prac of Nuclear Med Lab II	Laboratory and research exercises to support advanced techniques and knowledge of new imaging and therap technology, and technical aspects of advanced imaging and therapy presented as student centered learning activities. Prerequisite: Successful completion of NMMT junior/certificate or RT(N), CNMT credential	1	1	0	2	0
Radiologic Technology	PYCS	3100	Physics Diag Imag Info Sys		3	3	3	0	0
Radiologic Technology	PYCS	3200	Sonologic Physics	Course focuses on acoustical physics. Properties and physical principles of ultrasound are covered including: sound production, ultrasound interaction with human tissue, transducers, machine controls, biological effects, and quality assurance techniques. Prerequisite: College Algebra (pre-calculus recommended), completion of SONO 3020 or permission of Instructor/Program Director.	3	3	3	0	0
Radiologic Technology	PYCS	3210	Rad Health Phys Protect Bio	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	3	3	3	0	0
Radiologic Technology	PYCS	3215	Rad Health Phy Protect Bio Lab	Regulations, principles and practices of radiation protection, and information particular to each radiologic specialty and/or modality. Medical aspects of radiobiology	1	1	0	2	0

modality. Medical aspects of radiobiology including cellular, systemic and total body responses

Radiologic Technology	PYCS	4110	Advanced Digital Imaging	Advanced applications of medical digital images and computer systems. Didactic lecture series and hands-on exercises emphasize specialized areas of clinical utilization of computer hardware and software available in medical imaging departments as an instrument of medical diagnosis and therapy. Emphasizes three-dimensional reconstructive techniques. Prerequisite: PreCalculus	2	2	2	1	0
Radiologic Technology	PYCS	4120	Principle instrument CT	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 cline CT. Prerequisite: Admission to the program	3	3	3	0	0
Radiologic Technology	PYCS	4220	Cardiovascular Physics	Course focuses on cardiovascular physics including: instrumentation, physiology, cardiac hemodynamics, and elementary acoustical physics. Prerequisite: PYCS 3200 or Instructor permission	1	1	1	0	0
Radiologic Technology	PYCS	4400	Adv Med Dosimetry Physics	Principles of radiation to include radioactive decay, x-ray production, radiation quality, interactions with matter, detection and measurement of radiation, and radiation safety issues are reviewed. The theory and operation of external beam linear accelerators are discussed. Concepts of clinical radiation transport along with methods to accurately calculate dose are emphasized. Various calculational algorithms, with their clinical implementation, are presented Prerequisite: Admission to the Medical	3	3	3	0	0

Dosimetry program

Radiologic Technology	PYCS	4600	Physics Nuclear Medicine	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: Introduction Radiation Physics	3	3	3	0	0
Radiologic Technology	PYCS	4605	Physics Nuclear Medicine Lab		1	1	0	2	0
Radiologic Technology	PYCS	4620	Adv Physics Nuclear Medicine	Applications of nuclear medicine computer systems. Didactic lecture series and hands-on laboratory exercises emphasize the specialized areas of clinical utilization of computer hardware and software currently available in nuclear medicine departments as an instrument of medical diagnosis. Course also addresses physical principles and quality control of SPECT and PET imaging. Prerequisite: PYCS 3100 & PYCS 4600	3	3	3	0	0
Radiologic Technology	PYCS	4800	Physics Radiation Oncology	Introduction to radiation physics with emphasis on radiation therapy physics. 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: Pre-Calculus or permission of instructor	4	4	4	0	0
Radiologic Technology	PYCS	4820	Radiation Oncology	Application of physics learned in PYCS 4800 to radiation oncology. Concepts of dose	3	3	3	0	0



Dosimetry -- distribution in tissue patient treatment approaches and planning techniques. Calculation systems for photon, electron, and Brach therapy 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 radiation dosimetry Prerequisite: PYCS 4800

Radiologic Technology	RADT	3601	Principles Radiation Oncology	An overview of radiation therapy to include medical terminology, patient care, basic machine usage, communication skills, as well as the rationale of radiation therapy and related subject matters. Prerequisite: Admission to the program.	4	4	4	0	0
Radiologic Technology	RADT	3641	Rad Oncology Clin Intern	Students work with the clinical personnel in a team approach to radiation therapy treatment, planning and patient care. Prerequisite: Admission to the program.	4	4	0	0	24
Radiologic Technology	RADT	3642	Rad Oncology Clin Internship	Students work with the clinical personnel in a team approach to radiation therapy treatment, planning and patient care. Prerequisite: Admission to the program.	4	4	0	0	24
Radiologic Technology	RADT	3643	Rad Oncology Clin Internship		5	5	0	0	36
Radiologic Technology	RADT	4600	Applied Research	Pursuit of a topic or course of study, or investigation of a problem, of interest to student and approved by instructor.	1	1	1	0	0
Radiologic Technology	RADT	4603	Qual Assur Rad Oncology Lab		1	1	0	2	0
Radiologic Technology	RADT	4613	Quality Assur Rad Onc	Overview of quality assurance in radiation therapy to include methods of monitoring function of radiation therapy equipment, maintenance of complete and accurate patient records and records reflecting function of equipment, as well as routine	1	1	1	0	0

function of equipment, as well as routine checks for general condition of treatment room. Prerequisite: Admission to the program.

Radiologic Technology	RADT	4614	Rad Oncol Simulate Proced	General principles of patient simulation including familiarization with equipment, patient positioning, and the rationale for simulation of radiation therapy portals. Prerequisite: Admission to the program	2	2	2	0	0
Radiologic Technology	RADT	4615	Radiation Oncology Seminar	Review of radiation therapy literature through research, discussions and student or guest presentation. Prerequisite: Senior standing or permission of instructor.	3	3	3	0	0
Radiologic Technology	RADT	4621	Cancer Mgmt Rad Oncology		3	3	3	0	0
Radiologic Technology	RADT	4640	Rad Oncology Clin Internship	Students work with the clinical personnel in a team approach to radiation therapy treatment, planning and patient care. Prerequisite: Admission to the program.	4	4	0	0	24
Radiologic Technology	RADT	4641	Rad Oncology Clin Internship	Students work with the clinical personnel in a team approach to radiation therapy treatment, planning and patient care. Prerequisite: Admission to the program.	3	3	0	0	18
Radiologic Technology	RADT	4642	Rad Oncology Clin Internship	Students work with the clinical personnel in a team approach to radiation therapy treatment, planning and patient care. Prerequisite: Admission to the program.	3	3	0	0	24
Radiologic Technology	RADT	4643	Rad Oncology Clin Internship	Students work with the clinical personnel in a team approach to radiation therapy treatment, planning and patient care.	6	6	0	8	30
Radiologic Technology	RADT	4648	Applied Project	Directed project in which the student works independently on a project related to radiation oncology or medical dosimetry Prerequisite: Admission to the program.	4	4	4	0	0
Radiologic Technology	SONO	3020	Sonologic Instrumentation	Course emphasizes utilization and understanding of sonographic equipment and	1	1	1	0	0

controls through problem-based learning. Students apply basic physical principles of ultrasound to pathologies presented in case format. Prerequisites: Acceptance in DMS Program.

Radiologic Technology	SONO	3100	Clinical Internship 1	Students participate in various clinical learning areas. Course introduces clinical applications of dynamic real-time and Doppler imaging. Students learn scanning expertise through supervised active participation in clinical environment. Proof of clinical competence and special clinical projects complete course.	4	4	0	0	24
Radiologic Technology	SONO	3110	Clinical Internship 2	Students participate in various clinical learning areas. Students continue to develop scanning expertise through supervised active participation in clinical environment. Proof of clinical competence and special clinical projects complete course. Prerequisite: SONO 3100 or permission of Program Director	4	4	0	0	24
Radiologic Technology	SONO	3120	Clinical Internship 3	Students participate in various clinical learning areas. Students continue to develop scanning expertise through supervised active participation in clinical environment. Proof of clinical competence and special clinical projects complete course. Prerequisite: SONO 3100 and SONO 3110, or permission of Program Director.	4	4	0	0	24
Radiologic Technology	SONO	3200	Sono Applic 1 ABD OB GYN	Course introduces students to sonographic scanning in areas of abdomen, obstetrics, gynecology, male pelvis, small parts, extra-cranial structures, and intracranial structures. Emphasizes normal imaging anatomy, scanning protocols, and image orientation. Students learn Doppler ultrasound application for arterial and venous systems of above	2	2	2	0	0

areas. Prerequisites: Acceptance into DMS Program.

Radiologic Technology	SONO	3205	Sonologic Applic Laboratory I	Course introduces students to hands-on sonographic scanning in areas of abdomen, gynecology, and small parts. Emphasizes practical aspects of normal imaging anatomy, scanning protocols, and image orientation. Students learn Doppler ultrasound application for arterial and venous systems of above areas. Prerequisites: Acceptance into the DMS Program	1	1	0	2	0
Radiologic Technology	SONO	3210	Sono Applicat II ABD OB GYN	Course focuses on pathologic changes occurring in anatomical areas covered in SONO 3200. Emphasis is placed on all ultrasound imaging modes and their role in pathology recognition. Prerequisites: SONO 3200, SONO 3205, SONO 3100, ANAT 3100, BRTC 3100, SONO 3020.	4	4	4	0	0
Radiologic Technology	SONO	3215	Sono Application Laboratory II	Course continues to develop hands-on sonographic scanning skills and techniques in areas of abdomen, obstetrics, gynecology, and small parts. Emphasizes practical aspects of imaging and recognizing pathologic changes to the normal sonographic appearance. Prerequisites: SONO 3200, SONO 3205, SONO 3100, ANAT 3100, BRTC 3100, SONO 3020.	1	1	0	2	0
Radiologic Technology	SONO	3220	Sono Applic 3 ABD OB GYN	Course emphasizes advanced techniques and invasive procedures in learning subjects studied in SONO 3200 and SONO 3210. Successful completion of course requires passing grade on program exit examination. SAHS 3610, SONO 3210, SONO 3215	3	3	3	0	0

SAHS 3610, SONO 3210, SONO 3215,  
SONO 3110, PYCS 3200, BRTC 4160

Radiologic Technology	SONO	3225	Sonologic Laboratory III	Course emphasizes hands-on sonographic scanning skills and techniques for advanced techniques and invasive procedures of sonography. Prerequisites: SAHS 3610, SONO 3210, SONO 3215, SONO 3110, PYCS 3200, BRTC 4160	1	1	0	2	0
Radiologic Technology	SONO	4030	Applied Research	Course allows students to explore topics of interest in diagnostic medical sonography through completion of project.	1	1	0	0	2
Radiologic Technology	SONO	4040	Sonographic Seminar	Course combines physician and sonographer advanced echocardiography content lectures with preparation and presentation of digital imaging project. Prerequisite: Completion of Senior Fall and Spring semester courses or permission of Program Director.	3	3	3	0	0
Radiologic Technology	SONO	4130	Clinical Internship 4	Students participate in various clinical learning areas. Course introduces clinical applications of dynamic real-time and Doppler imaging in cardiac and vascular technologies. Students learn scanning expertise through supervised active participation in clinical environment. Proof of clinical competence and special clinical projects complete course. Prerequisite: SONO 3100, SONO 3110 and SONO 3120 or permission of Program Director.	4	4	0	0	24
Radiologic Technology	SONO	4140	Clinical Internship 5	Students participate in various clinical learning areas. Students continue to learn scanning expertise through supervised active participation in clinical environment. Proof of clinical competence and special clinical projects complete course. Prerequisite: SONO 4130 or permission from Program	4	4	0	0	24

SONO 4100 or permission from Program Director.

Radiologic Technology	SONO	4150	Clinical Internship 6	Students participate in a variety of clinical learning areas. Students continue to develop scanning abilities through supervised active participation in clinical environment. Proof of clinical competence and special clinical projects complete course. Prerequisite: SONO 4130 and SONO 4140 or permission of Program Director.	4	4	0	0	24
Radiologic Technology	SONO	4700	Intro to Vascular Sonography	Course introduces normal vascular anatomy with procedural protocols as well as focusing on pathological processes associated with vascular sonography. Prerequisites: ANAT 3320, SONO 3220, SONO 3225, SONO 3120	2	2	2	0	0
Radiologic Technology	SONO	4705	Intro to Vascular Laboratory	Course introduces hands-on sonographic techniques for vascular procedural protocols and recognition of normal vascular anatomy. Prerequisites: ANAT 3320, SONO 3220, SONO 3225, SONO 3120	1	1	0	2	0
Radiologic Technology	SONO	4800	Sono App of Echocardiography I	Course introduces normal adult cardiac anatomy and imaging techniques including two-dimensional, M-mode, and cardiac Doppler. ANAT 3320, SONO 3220, SONO 3225 SONO 3120	2	2	0	0	0
Radiologic Technology	SONO	4805	Echocardiography Laboratory I	Course introduces normal cardiac hands-on imaging techniques including two-dimensional, M-mode, and cardiac Doppler. Prerequisites: ANAT 3320, SONO 3220, SONO 3225, SONO 3120	1	1	0	2	0
Radiologic Technology	SONO	4810	Sono Applic of Echocardio II	Course focuses on cardiovascular pathologies associated with the adult patient. Prerequisite: Completion of Senior Fall and Spring semester courses or permission of Program Director	4	4	4	0	0

Program Director.

Radiologic Technology	SONO	4815	Echocardiography Laboratory II	Course continues the development normal adult cardiac hands-on imaging techniques including two-dimensional, M-mode, and cardiac Doppler and expands student skills to include advanced techniques and testing. Prerequisite: Completion of Senior Fall and Spring semester courses or permission of Program Director.	1	1	0	2	0
Radiologic Technology	SONO	4820	Sonologic App Echocar III	Course focuses on advanced echocardiographic techniques such as pharmacologic, exercise, contrast, transesophageal, and three-dimensional echocardiography., Successful completion of course requires passing grade on program exit examination. Prerequisite: Completion of Senior Fall and Spring semester courses or permission of Program Director.	4	4	4	0	0
Radiologic Technology	SONO	4830	Pediatric Echocardiography	Course focuses on congenital and acquired cardiovascular pathologies present in pediatric patient. Prerequisite: Completion of Senior Fall semester courses or permission of Program Director.	2	2	2	0	0
Radiologic Technology	SONO	4840	Cardiac Evaluation Method	Course correlates diagnostic information obtained from echocardiography with other methods of cardiac evaluations. Prerequisite: Completion of Senior Fall and Spring semester courses or permission of Program Director.	2	2	2	0	0
Respiratory Therapy	RTHP	3199	Medical Terminology	A self-study course introducing use of medical terminology. Programmed learning emphasizing work/construction, definition and use of medical terms.	1	1	2		50
Respiratory Therapy	RTHP	3204	Fund of Resp Care	An integrated approach to principles and	4	4	4	0	0

Prac I applications of cardiopulmonary physiology, physical assessment, and basic respiratory care equipment and techniques. Pre-requisites: Acceptance into the program and concurrent enrollment in RTHP 3208, or permission of the instructor.

Respiratory Therapy	RTHP	3206	Geriatrics & Pulm Rehab	Introduction to gerontology and health promotion for patients with chronic pulmonary diseases, emphasizing exercise physiology, health assessment and education of geriatric patients, components of a multidisciplinary pulmonary rehabilitation program, and end-of-life issues. Pre-requisites: Successful completion of previous RTHP courses or permission of the instructor.	2	2	2	0	
Respiratory Therapy	RTHP	3208	Fund Resp Care Prac Lab I	The companion lab for RTHP 3204, providing students an integrated approach to patient assessment, basic respiratory care equipment, and patient care. Pre-requisites: Acceptance into the program and concurrent enrollment in RTHP 3204 or permission of the instructor.	2	2	0	4	2
Respiratory Therapy	RTHP	3211	Intro Prob Base Lrning	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.	1	1	1	3	0
Respiratory Therapy	RTHP	3212	Respiratory Care Pharmaco	An in-depth study of the concepts and principles of respiratory care pharmacology. The course includes study of the basic principles of pharmacology and drugs used to treat the respiratory system. Also included is	3	3	3	0	



treat the respiratory system. Also included is a study of critical care and cardiovascular drugs. Pre-requisites: Successful completion of previous RTHP courses or permission of the instructor.

Respiratory Therapy	RTHP	3304	Fund of resp Care Prac II	A continuation of an integrative approach to the study and application of concepts in cardiopulmonary physiology, physical assessment, and respiratory care equipment technology. Pre-requisites: Successful completion of previous RTHP courses and concurrent enrollment in RTHP 3308, or permission of the instructor.	2	2	2	0	0
Respiratory Therapy	RTHP	3308	Fund Res Care Prac Lab II	The companion lab for RTHP 3304, providing students an integrated approach to patient assessment, basic respiratory care equipment and patient care techniques. Pre-requisites: Successful completion of previous RTHP courses and concurrent enrollment in RTHP 3304, or permission of the instructor.	1	1	0	2	0
Respiratory Therapy	RTHP	3311	Cardiopulmonary Pthphy I	Clinical signs, symptoms, diagnosis, and management of selected cardiopulmonary diseases emphasizing the role of respiratory care professionals. Pre-requisites: Successful completion of previous RTHP courses or permission of the instructor.	4	4	0	0	0
Respiratory Therapy	RTHP	3314	Special Procedure in Resp Care	Students will learn advanced respiratory care procedures and patient assessment techniques with the emphasis placed on cardiopulmonary anatomy, identifying EKGs, airway care, and patient monitoring. Pre-requisites: Successful completion of previous RTHP courses and concurrent enrollment in RTHP 3317, or permission of the instructor.	3	3	3	0	0

Respiratory Therapy	RTHP	3317	Adv Resp Care Tech Labs	The companion lab for RTHP 3314. This course covers clinical applications of material presented in RTHP 3314 as well as relevant cardiopulmonary anatomy. Pre-requisites: Successful completion of previous RTHP courses and concurrent enrollment in RTHP 3314, or permission of the instructor.	1	1	0	3	0
Respiratory Therapy	RTHP	3350	Intro to Arterial Blood Gas	This course provides an introduction to the physiologic and pathophysiologic bases for ABG interpretation. Prerequisites: Satisfactory completion of all previous respiratory therapy course work or permission of instructor.	1	1	1	0	0
Respiratory Therapy	RTHP	3525	Clinic 1	Students perform respiratory care procedures in acute care areas and alternate sites with emphasis place on patient assessment and basic care techniques. Prerequisites: Successful completion of previous RTHP courses or premission of the instructor.	4	4	0	0	8
Respiratory Therapy	RTHP	3707	IND STUDY: QUALITY MGMT	The study and/or application of quality management processes as related to an area of Respiratory Therapy. Prerequisites: Permission of the instructor.	1	1			
Respiratory Therapy	RTHP	4114	Intro Vent-Patient Mgmt	A study of intensive respiratory care ventilator-2 patient management. Course emphasizes ventilator function, waveform analysis, and patient assessment. Pre-requisites: Successful completion of previous RTHP courses and concurrent enrollment in RTHP 4117, or permission of the instructor.	2	2	2	0	0
Respiratory Therapy	RTHP	4117	Intro to Ventilator-	A study of intensive respiratory care ventilator-1	1	1	0	3	0

Patient Lab  
 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.

Respiratory Therapy	RTHP	4124	Neonatal & Ped Resp Care	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. Pre-requisites: Satisfactory completion of all previous RTHP courses and concurrent in RTHP 4127 or permission of instructor.	2	2	2	0	0
Respiratory Therapy	RTHP	4127	Neo & Ped Resp Care Lab	Hands on experience with equipment and techniques used in neonatal and pediatric respiratory Care. Pre-requisites: Successful completion of semester RTHP courses and concurrent enrollment in RTHP 4124, or permission of the instructor.	1	1	0	2	0
Respiratory Therapy	RTHP	4150	Adv Arterial Blood Gas Interpr	This course uses a problem-based approach to the interpretation and treatment of mixed acid-base disorders. Prerequisites: Satisfactory completion of all previous respiratory therapy course work or Permission of Instructor.	1	1	1		
Respiratory Therapy	RTHP	4303	Independent Study		1	1	1		
Respiratory Therapy	RTHP	4304	INDV STUDY: MKTG RSP CARE	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.	1	1	1		

Respiratory Therapy	RTHP	4305	INDV STUDY: CURR TOPICS	The study and/or application of basic research principles in a current topic of respiratory care. Prerequisites: Permission of the instructor.	1	1	1		
Respiratory Therapy	RTHP	4306	INDV STUDY: IMPV MECH VEN	Study and evaluation of new modes and methods of mechanical ventilation to include pulmonary diagnostics using waveform analysis. Prerequisites: Permission of the instructor.	1	1	1		
Respiratory Therapy	RTHP	4307	INDV STUDY: CUR TPCS PEDS	Study of current topics impacting neonatal and/or pediatric respiratory care. Prerequisites: Permission of the instructor.	1	1	1		
Respiratory Therapy	RTHP	4308	Techniques of Cln Instruc		1	1	1		1
Respiratory Therapy	RTHP	4411	Cardiopulmonary Pthhy II	Clinical signs, symptoms, diagnosis, and management of selected cardiopulmonary diseases emphasizing the role of respiratory care professionals. Students' patient assessment, communication, and peer teaching skills are emphasized in small groups using the problem-based learning approach. Pre-requisites: Satisfactory completion of all previous RTHP courses or permission of instructor.	3	3	3	0	0
Respiratory Therapy	RTHP	4412	Clinical Presentations	A study of pulmonary conditions requiring critical care management and mechanical ventilation with an emphasis on the role of Respiratory Care. The course provides experience in searching medical records and support materials to make a written and verbal presentation of an actual clinical case. Pre-requisites: Satisfactory completion of all previous RTHP courses or permission of instructor.	3	3	1	4	0
Respiratory Therapy	RTHP	4414	Hemodynamic	The Student will learn invasive and non-	1	1	1	1	0

## Monitoring

invasive techniques of hemodynamic monitoring used on critically ill patients.  
Prerequisites: Satisfactory completion of all previous RTHP courses or permission of the instructor.

Respiratory Therapy	RTHP	4426	Clinic 2	Students perform respiratory care procedures in acute care areas or alternate sites with emphasis placed on basic patient care techniques. Pre-requisites: Satisfactory completion of all previous RTHP courses or permission of instructor.	1	1	0	0	8
Respiratory Therapy	RTHP	4427	Clinic 3	Students perform respiratory care procedures in intensive care areas or alternate sites with emphasis placed on patient assessment and advanced patient care techniques. Prerequisites: Successful completion of previous RTHP courses and concurrent enrollment in RTHP 4428, or permission of the instructor.	1	1	0	0	8
Respiratory Therapy	RTHP	4428	Clinic 4	Students perform respiratory care procedures in intensive care areas and alternate sites with emphasis placed on patient assessment and advanced patient care techniques. Prerequisites: Successful completion of previous RTHP courses and concurrent enrollment in RTHP 4427, or permission of the instructor.	6	6	0	0	12
Respiratory Therapy	RTHP	4429	Clinic 5	Students perform respiratory care procedures in intensive care areas and alternate sites with emphasis placed on patient assessment and advanced patient care techniques. Prerequisites: Successful completion of previous RTHP courses and concurrent enrollment in RTHP 4430, or permission of the instructor.	1	1	0	0	8

Respiratory Therapy	RTHP	4430	Clinic 6	Students perform respiratory care procedures in intensive care areas and alternate sites with emphasis placed on patient assessment and advanced patient care techniques. Prerequisites: Successful completion of previous RTHP courses and concurrent enrollment in RTHP 4429, or permission of the instructor.	2	2	0	0	12
Respiratory Therapy	RTHP	4431	Clinic 7	Students will travel to external clinical affiliates where they will receive extensive experience in the practice of respiratory care. Prerequisites: Successful completion of previous RTHP courses or permission of the instructor.	3	3	0	0	40
Respiratory Therapy	RTHP	4450	Respiratory Care Seminar	Course includes discussion of recent trends in respiratory care. Students prepare a resume and practice interview/communication skills. Comprehensive written and clinical simulation examinations are administered. Pre-requisites: Successful completion of previous RTHP courses or permission of the instructor.	2	2	0	0	5
Respiratory Therapy	RTHP	4501	Ind Clinical Prac 1		1	1	1		
Respiratory Therapy	RTHP	4502	Ind Clinical Prac 2		1	1	1		
Respiratory Therapy	RTHP	4514	Adv Vent Patient Mgmt	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.	2	2	2	0	0
Respiratory Therapy	RTHP	4517	Adv Vent-Patient Mgmt Lab	Laboratory for RTHP 4514 emphasizing advanced waveform analysis, and pulmonary	2	2	0	4	4

function testing procedures. Prerequisites:  
 Successful completion of previous RTHP  
 courses and concurrent enrollment in RTHP  
 4514, or permission of the instructor.

Respiratory Therapy	RTHP	4540	Rsch Respiratory Care	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.	2	2	2	2	0
Respiratory Therapy	RTHP	4701	Carpul Pathpophy Ped Ast		2	2			6
Respiratory Therapy	RTHP	4702	Carpulm Patophy Styd Tram		2	2			6
Respiratory Therapy	RTHP	4703	Carpulm Patophy Styd Copd		2	2			6
Respiratory Therapy	RTHP	4704	Carpulm Patophy Hrt Failu		2	2			6
Respiratory Therapy	RTHP	4705	Carpulm Patophy Slp Apnea		2	2			6
Respiratory Therapy	RTHP	4706	PATOPHY STDY BURN		2	2			6
Respiratory Therapy	SAHS	3110	Human Physiology	Introduction to the major systems of the body, how they are controlled in health, and the pathological effects of system dysfunction.	3	3	3		

[MCG Catalog > School of Dentistry](#)

## School of Dentistry

Direct links to specific pages outside of the Catalog are provided here for your convenience.

### First professional

- [Doctor of Dental Medicine](#)
- [General Admissions Requirements](#)
- [Application to the School of Dentistry](#)
- [Course Descriptions \(PDF\)](#)
- [Curriculum](#)
- [Financial Information](#)
- [Academic Progress Policies](#)
- [Special Degree Programs](#)
- [Residency Programs](#)
- [School of Dentistry Faculty](#)

### Master of science

- [Oral Biology](#)

### doctorate

- [Oral Biology and Maxillofacial Pathology](#)

### Post First professional certificate

- [Advanced Education in General Dentistry](#)
- [Endodontics](#)
- [General Practice Residency](#)
- [Oral Surgery](#)
- [Orthodontics](#)
- [Pediatric Dentistry](#)
- [Periodontics](#)



- Prosthodontics

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# MCG CATALOG

MCG Catalog > School of Dentistry > Curriculum

## School of Dentistry: Curriculum

COURSE #	COURSE NAME	SEM BEG/END	TOTAL HRS	CREDIT HRS
<b>Fall Freshman Year (1)</b>				
BSAD5001	Behavior Science Applied to Dentistry	01	32	2
DAU5001	Introduction to Operatory Procedures	01	8	1
ETH5000	Ethics for Health Professionals	01	14	1
NSO5001	New Student Orientation	01	20	1
OBMP5001	General and Oral Microanatomy	01	92	6
OBMP5101	Biochemical Basis of Oral Health & Disease	01	87	6
OBMP5601	Bioclinical Seminar I	01-03	14	1
OCCL5001	Dental Anatomy and Occlusion	01	142	7
OMD5001	Principles of Personal Prevention	01	16	1
ORP5001	Orientation to the Profession and Ethics	01	21	1
RDCT5001	Research Design & Critical Thinking	01	32	2
RES5001	Operative Dentistry	01-02	150	6
<b>Spring Freshman Year (2)</b>				
OBMP5002	Applied Head and Neck Anatomy	02	94	5
OBMP5102	Molecular Biology of Craniofacial Development	02	32	2
OBMP5103	Nutrition	02	16	1
OBMP5201	Physiological Foundation for Dental Practice I	02	62	4
OMD5002	Oral Diagnosis I	02	16	1
PER5001	Fundamentals of Periodontology	02	58	3
RADD5001	Radiology	02	38	2
<b>Summer Sophomore Year (3)</b>				
CPR5001	Basic Cardiac Life Support (CPR)	03	17	1
OBMP5003	Neuroscience	03	44	3
OBMP5202	Physiological Foundation for Dental Practice II	03	30	2
OBMP5401	Pharmacology & Therapeutics for Dental Practice I	03	10	1
OCC5002	Occlusal Analysis	03	60	3
OMTP5001	Treatment Planning I	03	19	1

OSD5001	Local Anesthesia	03	11	1
PROS5001	Preclinical Complete Dentures	03-04	140	6
<b>Fall Sophomore Year (4)</b>				
FIX5001	Fixed Prosthodontics I	03-04	156	7
IPSB5901	Introduction to Patient Services	04-05	199	7
OBMP5004	Systemic Anatomy	04	64	3
OBMP5301	Oral Microbiology & Infectious Disease I	04	47	3
OBMP5501	Applied Pathology for Dentistry	04	77	5
PRO5002	Removable Partial Dentures	04-05	112	5
<b>Spring Sophomore Year (5)</b>				
ENDO5001	Fundamentals of Endodontics	05	72	3
FIX5002	Fixed Prosthodontics II	05	94	4
OBMP5302	Oral Microbiology and Infectious Disease II	05	44	3
OBMP5602	Bioclinical Seminar II	05-06	14	1
OBMP5603	Special Topics in Oral Biology	05-06	37	2
ORTH5001	Orthodontics I	05	32	2
PER5002	Surgical Periodontics	05	20	1
PRO5003	Complete Dentures	05	68	3
<b>Summer Junior Year (6)</b>				
CLIN5006*	Not Course - Open Clinic	06	187	0
ENDO5901	Endodontic Clinic	06-07	0	1
OBMP5303	Cariology	06	22	2
OBMP5502	Clinical Pathology Conferences	06	21	2
OCC5003	Diagnosis & Treatment of Temporomandibular Disorders	06	28	2
OMD5901	Oral Medicine Clinic	06-07	0	1
OSD5002	Fundamentals of Oral Surgery	06	27	2
OSD5901	Oral Surgery Clinic	06-10	0	2
PER5901	Periodontic Clinic	06-07	0	2
PM5901	Patient Services	06-07	0	1
RADD5002	Dental Radiologic Interpretation	06	28	2
RES5901	Restorative Clinic	06-07	0	5
<b>Fall Juniors Year (7)</b>				
CLIN5007*	Not Course - Open Clinic	07	273	0
DPS5001	Dental Materials	07	32	2

OBMP5402	Pharmacology & Therapeutics for Dental Practice II	07	77	5
OCC5901	Occlusion Clinic	07-09	0	1
ORTH5002	Orthodontics II	07	32	2
PRO5004	Advanced Prosthodontics	07	52	3
PRO5901	Prosthodontics Clinic	07-09	0	2
RES5004	Fixed Prosthodontic Seminar	07	16	1
RES5005	Esthetic Restorative Dentistry	07	64	2

**Spring Junior Year (8)**

CLIN5008*	Not Course - Open Clinic	08	275	0
CPR5002	Basic Cardiac Life Support (CPR)	08	4	1
DAU5002	Principles & Practice of Small Business Administration I	08	36	2
DAU5901	Dental Practice Dynamics Clinic	08-10	0	1
EDS5901	Emergency Dental Services	08-09	0	1
ENDO5902	Endodontic Clinic	08-11	0	2
OBMP5503	Oral Pathology	08	78	5
OMD5004	Oral Medicine: The Medically Compromised Patient	08	48	3
OMD5902	Oral Medicine Clinic	08	0	1
OMTP5002	Treatment Planning II	08	17	1
ORTH5901	Orthodontic Clinic	08-11	0	1
OSD5003	Advanced Oral Surgery	08	16	1
PEDO5001	Preclinical Pediatric Dentistry	08	54	3
PER5003	Contemporary Topics in Periodontics	08	21	1
PER5902	Periodontic Clinic	08	0	1
PM5902	Patient Services	08-09	0	1
RES5902	Restorative Clinic	08-09	0	5
VOD5001	Vocational Opportunities in Dentistry	08	8	1

**Summer Senior Year (9)**

CLIN5009*	Not Course - Open Clinic	09	283	0
CLK5901	Clerkship	09	120	4
DAU5003	Principles & Practice of Small Business Administration II	09	44	3
OMD5903	Oral Medicine Clinic	09-11	0	2
OSD5903	Oral Surgery Hospital Clinic	09-11	59	2
PEDO5901	Clinical Pediatric Dentistry	09-10	0	1

PER5903	Periodontics Clinic	09-10	0	2
<b>Fall Senior Year (10)</b>				
CLIN5010*	Not Course - Open Clinic	10	403	0
EDS5902	Emergency Dental Services	10-11	0	1
ENDO5002	Endodontic Seminar	10	15	1
IMPL5001	Introduction to Oral Implantology	10	16	1
MB5901	Mock Board	10-11	58	2
OBMP5403	Pharmacology Seminar	10	10	1
OBMP5505	Clinical Oncology	10	11	1
OCC5902	Occlusion Clinic	10-11	0	1
OMD5005	Oral Medicine	10	17	0
PEDO5002	Pediatric Dentistry Seminar	10	13	1
PEDO5003	Dentistry for the Disabled Patient	10	8	1
PER5004	Periodontology in a General Practice	10	30	2
PM5903	Patient Services	10	0	1
PRO5902	Prosthodontics Clinic	10-11	0	4
RES5006	Restorative Seminar	10-11	16	1
RES5903	Restorative Clinic	10	0	7
<b>Spring Senior Year (11)</b>				
CLIN5011*	Not Course - Open Clinic	11	410	0
ETH5001	Ethics, Jurisprudence and Dentistry	11	6	1
GER5001	Introduction to Geriatric Dentistry	11	14	1
ISEM5001	Interdisciplinary Seminar	11	14	1
OMD5006	Senior Oral Medicine Case Presentations	11	16	1
OSD5902	Oral Surgery Clinic	11	0	1
PEDO5902	Clinical Pediatric Dentistry	11	0	2
PER5904	Periodontics Clinic	11	0	2
PM5904	Patient Services	11	0	1
RES5904	Restorative Clinic	11	0	7

\*These are not courses but reflect the total open clinic hours that students utilize for patient care in the clinical courses which show "0" clock hours

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## School of Dentistry: Course Descriptions Fall 2007

Department	Course Subject	Course No.	Course Title	Course Description	Credit Hrs.	Bill Hrs.	Lecture Hrs.	Lab Hrs.	Other Hrs.
Dental Administration	BSAD	5001	Behavior Science Applied to De		2	2	2		
Dental Administration	CPRD	5001	Basic Cardiac Life Support I		1	1	1		
Dental Administration	CPRD	5002	Basic Cardiac Life Support II		1	1	1		
Dental Administration	DCLK	5901	Dental Clerkship		4	4			8
Dental Administration	DIVD	5001	Diversity Issues and Language		1	1		1	
Dental Administration	ETHD	5001	Ethics for Health Professionals		1	1	1		
Dental Administration	ETHD	5002	Ethics, Jurisprudence, and Dent		1	1	1		
Dental Administration	IDDS	5001	Independent Dental Studies		1	1			2
Dental Administration	MBDL	5901	Mock Boards for Dental Licensure		1	1	0		0
Dental Administration	NSOD	5001	New Student Orientation		1	1	2		
Dental Administration	PTCR	5921	Patient Services		3	3			6
Dental Administration	PTCR	5922	Patient Services		3	3			6
Dental Administration	PTCR	5923	Patient Services		3	3			6
Dental Administration	PTCR	5924	Patient Services		3	3			6
Dental Administration	PTCR	5925	Patient Services		3	3			6
Dental Administration	PTCR	5926	Patient Services		3	3			6
Dental Administration	PTCR	5927	Patient Services		3	3			6
Dental Administration	PTCR	5928	Patient Services		3	3			6
Dental Administration	PTCR	5929	Patient Services		3	3			6
Dental Administration	PTCR	5930	Patient Services		3	3			6
Dental Administration	PTCR	5931	Patient Services		3	3			6
Dental Administration	PTCR	5932	Patient Services		3	3			6
Dental Administration	PTCR	5933	Patient Services		1	1			6

Dental Administration	PTCR	5934	Patient Services		1	1		1
Dental Administration	RDCT	5001	Research Design and Critical T		2	2	2	
Dental Administration	SPDS	5001	Special Dental Studies		1	1	2	2
Dental Administration	CLCR	8001	Physical Diagnosis	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.	1	1	1	
Dental Administration	CLCR	8004	Research Design and Statistics	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 this course, students should be able to understand, interpret and critique the results of application of these statistical techniques as found in the health sciences literature. The overall objective of this course is to instill in students a practical understanding of and appreciation for the role of statistics in the biomedical health sciences.	1	1	1	
Dental Administration	CLCR	8006	Radiology	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	1	1	1	



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.

Dental Administration	CLCR	8008	Adjunctive Ortho Procedures	This seminar course will review common orthodontic techniques utilizing fixed and removable appliances that will support a multidisciplinary treatment plan. This course will highlight the importance of an accurate and timely orthodontic diagnosis emphasizing a team approach in developing a patient's comprehensive treatment plan to maximize the patient's esthetic and functional goals. This seminar will provide an overview of orthodontic treatment philosophy and biomechanics.	1	1	1
Dental Administration	CLCR	8010	Practice Management	CLCR8010 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 indepth two hour seminar for each subject is presented to the residents by experts in the respective areas of business.	1	1	1
Dental Administration	CLCR	8011	Basic Cardiac Life Support	In this course the student completes a Basic Cardiac Life Support Healthcare Provider	1	1	1

course according to the standards established by the American Heart Association. In addition, MCG Emergency Medical Protocol is reviewed.

Dental Administration	CLCR	8014	Dental Implantology	This is a course designed to introduce the resident to the theoretical principles, designs and materials used in osseointegrated implant prosthodontics.	2	2	2		
Dental Administration	CLCR	8016	Cleft Palate & Craniofacial An	This seminar is an overview of normal and abnormal facial development and speech. A multidiscipline approach to the recognition, and the treatment of many aspects of patients with cleft palate will be presented.	1	1	1		
Dental Hygiene	DHYG	3100	Intro to Clinic I	Fundamentals of infection control, patient assessment, and periodontal instrumentation.	6	6	2	0	8
Dental Hygiene	DHYG	3105	Theory and Practice I	Concepts, principles, and skills essential for comprehensive patient assessment and education.	3	3	3	0	8
Dental Hygiene	DHYG	3110	Dental Anatomy	Primary and permanent dentition, root morphology, function, anomalies, and comparative anatomy.	3	3	3	0	0
Dental Hygiene	DHYG	3115	Oral Anatomy and Physiology	Gross anatomy of head and neck, microcirculation of oral tissues, embryological development.	2	2	2	0	0
Dental Hygiene	DHYG	3120	Introduction to Clinic II	An introduction to patient care, power instrumentation, and dental sealants.	4	4	0	2	6
Dental Hygiene	DHYG	3125	Theory and Practice II	Dental hygiene care for special populations including medically compromised patients.	3	3	3	0	0
Dental Hygiene	DHYG	3130	Dental Radiology	Radiation physics, biology, infection control, radiograph exposure and processing.	2	2	2	0	0
Dental Hygiene	DHYG	3135	Dental Microbiology	Microbiology of living cells and pathogenesis of bacteria, fungi, and viruses.	2	2	2	0	0
Dental Hygiene	DHYG	3140	Periodontics Seminar	Clinical presentations of periodontal disease and treatment options.	1	1	1	0	0

Dental Hygiene	DHYG	3145	Nutrition	Nutritional recommendations and implications resulting from nutritional deficiency.	1	1	1	0	0
Dental Hygiene	DHYG	3150	Dental Materials	Scientific principles of dental materials.	1	1	1	2	0
Dental Hygiene	DHYG	3200	Patient Care I	Clinical application of the dental hygiene process of care.	3	3	0	0	6
Dental Hygiene	DHYG	3205	Theory and Practice III	Concepts, principles, and skills essential for rendering comprehensive dental hygiene care.	2	2	2	0	0
Dental Hygiene	DHYG	3210	Research Design	Research design, critique, and basic statistical decision making.	3	3	2	2	0
Dental Hygiene	DHYG	3215	Community Dental Health	History of public health dentistry, epidemiology, indices, and community program planning.	2	2	0	0	0
Dental Hygiene	DHYG	3220	Dental Specialty Clinics I	Dental hygiene field experience at various dental specialty clinics.	1	1	0	0	81
Dental Hygiene	DHYG	3225	Dental Materials Lab	Manipulation and use of selected dental materials.	2	2	1	2	0
Dental Hygiene	DHYG	3230	Patient Care II	Clinical application of the dental hygiene process of care.	6	6	0	12	
Dental Hygiene	DHYG	3235	Theory and Practice IV	Concepts, principles, and skills essential for rendering comprehensive dental hygiene care.	2	2	2	0	0
Dental Hygiene	DHYG	3240	Pharmacology	Drugs used to treat diseases and disorders with emphasis on those used in dentistry.	3	3	3	0	0
Dental Hygiene	DHYG	3245	Radiology Tech I	Experiences in basic dental intraoral radiographic technique, error recognition/correction, and interpretation.	1	1	0	0	2
Dental Hygiene	DHYG	3250	Pathology	Principles and mechanisms of disease with emphasis on clinical aspects of oral disease.	3	3	3	0	0
Dental Hygiene	DHYG	3255	Dental Specialty Clinic II	Expanded opportunities to observe, assist, and provide care to patients in various specialty clinics.	1	1	0	0	2
Dental Hygiene	DHYG	3260	Patient Care III	Clinical application of the dental hygiene process of care.	6	6	0	0	8

Dental Hygiene	DHYG	3265	Theory and Practice V	Concepts, principles, and skills essential for rendering comprehensive dental hygiene care.	2	2	2	0	0
Dental Hygiene	DHYG	3270	Radiology Technique II	Advanced radiographic technique, error recognition/correction, and interpretation.	1	1	0	2	0
Dental Hygiene	DHYG	3275	Oral Medicine	Major complications of common systemic diseases and their effect on the provision of oral health care.	2	2	2	0	0
Dental Hygiene	DHYG	3280	Practice Administration	Dental practice management with focus on ethical and legal issues.	2	2	2	0	0
Dental Hygiene	DHYG	3285	Dental Hygiene Practicum	Clinical dental hygiene field experience in a dental private practice setting.	2	2	0	0	4
Endodontics	ENDO	5001	Fundamentals of Endodontics		3	3	2	3	
Endodontics	ENDO	5002	Endodontic Seminar		1	1	1		
Endodontics	ENDO	5901	Endodontic Clinic		0	0			0
Endodontics	ENDO	7010	Didactic Endodontics		10	10	10		
Endodontics	ENDO	7020	Didactic Endodontics		16	16	16		
Endodontics	ENDO	7030	Didactic Endodontics		22	22	22		
Endodontics	ENDO	7110	Clinical Endodontics	Patient Care	6	6			12
Endodontics	ENDO	7120	Clinical Endodontics		18	18			36
Endodontics	ENDO	7130	Clinical Endodontics		24	24			48
Endodontics	ENDO	8010	Didactic Endodontics		4	4	4		
Endodontics	ENDO	8020	Didactic Endodontics		16	16	16		
Endodontics	ENDO	8030	Didactic Endodontics		22	22	22		
Endodontics	ENDO	8110	Clinical Endodontics	Patient Care	10	10			20

Endodontics	ENDO	8120	Clinical Endodontics	Patient Care	18	18	36
Endodontics	ENDO	8130	Clinical Endodontics	Patient Care	24	24	48
Oral & Maxillofacial Surgery	OMFS	5001	Local Anesthesia		1	1	1
Oral & Maxillofacial Surgery	OMFS	5002	Fundamentals of Oral Surgery		2	2	2
Oral & Maxillofacial Surgery	OMFS	5003	Advanced Oral Surgery		1	1	1
Oral & Maxillofacial Surgery	OMFS	5901	Oral Surgery Clinic		0	0	0
Oral & Maxillofacial Surgery	OMFS	5902	Oral Surgery Clinic		1	1	2
Oral & Maxillofacial Surgery	OMFS	5903	Oral Surgery / Hospital Clinic		0	0	0
Oral & Maxillofacial Surgery	OMFS	6010	Oral Surgery Didactics	Teaching Rounds, Orthodontic Conference, Surgical Ground Rounds, Journal Club, Physical Diagnosis, Anatomy, Teaching Session, Oral Pathology	8	8	8
Oral & Maxillofacial Surgery	OMFS	6020	Oral Surgery Didactics	Teaching Rounds, Orthodontic Conference, Surgical Ground Rounds, Journal Club, Teaching Session, Oral Pathology	9	9	9
Oral & Maxillofacial Surgery	OMFS	6030	Oral Surgery Didactics	Teaching Rounds, Orthodontic Conference, Surgical Ground Rounds, Journal Club, Teaching Session	8	8	8
Oral & Maxillofacial Surgery	OMFS	6110	Oral Surgery Clinic Care	Oral Surgery Clinical Care, Ambulatory General Anesthesia, Clinical Inpatient Care, Clinical Outpatient Care, Medicine Rotation	20	20	40
Oral & Maxillofacial Surgery	OMFS	6120	Oral Surgery Clinic Care	Ambulatory General Anesthesia, Clinical Inpatient Care - OMS, Clinical Outpatient Care - OMS, Anesthesia Rotation	20	20	40
Oral & Maxillofacial Surgery	OMFS	6130	Oral Surgery Clinic Care	Ambulatory General Anesthesia, Clinical Inpatient Care, Clinical Outpatient Care, Anesthesia Rotation	20	20	40
Oral & Maxillofacial Surgery	OMFS	9010	Oral Surgery	Teaching Rounds, Orthodontic Conference,	8	8	8

			Didactics	Surgical Ground Rounds, Journal Club, Teaching Session				
Oral & Maxillofacial Surgery	OMFS	9020	Oral Surgery Didactics	Teaching Rounds, Orthodontic Conference, Surgical Grand Rounds, Journal Club, Teaching Session, Oral Pathology	9	9	9	
Oral & Maxillofacial Surgery	OMFS	9030	Oral Surgery Didactics	Teaching Rounds, Orthodontic Conference, Surgical Ground Rounds, Journal Club, Teaching Session	8	8	8	
Oral & Maxillofacial Surgery	OMFS	9110	Oral Surgery Clinic Care	Ambulatory General Anesthesia, Clinical Inpatient Care, Clinical Outpatient Care	20	20		40
Oral & Maxillofacial Surgery	OMFS	9120	Oral Surgery Clinic Care	Ambulatory General Anesthesia, Clinical Inpatient Care - OMS, Clinical Outpatient Care - OMS	20	20		40
Oral & Maxillofacial Surgery	OMFS	9130	Oral Surgery Clinic Care	Ambulatory General Anesthesia, Clinical Inpatient Care, Clinical Outpatient Care	20	20		40
Oral Bio& Maxillofacial Path	DANA	5001	General and Oral Microanatomy		6	6	5	1
Oral Bio& Maxillofacial Path	DANA	5002	Applied Head and Neck Anatomy		5	5	3	3
Oral Bio& Maxillofacial Path	DANA	5003	Neuroscience		3	3	2	1
Oral Bio& Maxillofacial Path	DANA	5004	Systemic Anatomy		3	3	2	2
Oral Bio& Maxillofacial Path	DBIO	5001	Biochemical Basis of Oral Heal		6	6	6	
Oral Bio& Maxillofacial Path	DBIO	5002	Molecular Bio Craniofacial Dev		2	2	2	
Oral Bio& Maxillofacial Path	DBIO	5003	Nutrition		1	1	1	
Oral Bio& Maxillofacial Path	DMIC	5001	Oral Microbiology and Infection		3	3	3	
Oral Bio& Maxillofacial Path	DMIC	5002	Oral Microbiology and Infection		3	3	3	
Oral Bio& Maxillofacial Path	DMIC	5003	Cariology		2	2	2	
Oral Bio& Maxillofacial Path	DPAT	5001	Applied Pathology for Dentistry		5	5	5	
Oral Bio& Maxillofacial Path	DPAT	5002	Clinical Pathology Conferences		2	2	2	
Oral Bio& Maxillofacial Path	DPAT	5003	Oral Pathology		5	5	5	

Oral Bio& Maxillofacial Path	DPHM	5001	Pharmacology & Therapeutics		1	1	1		
Oral Bio& Maxillofacial Path	DPHM	5002	Pharmacology & Therapeutics		5	5	5		
Oral Bio& Maxillofacial Path	DPHY	5001	Physiological Foundations for D		4	4	4		
Oral Bio& Maxillofacial Path	DPHY	5002	Physiological Foundations for D		2	2	2		
Oral Bio&Maxillofacial Path	OBMP	5001	Bioclinical Seminar I		0	0	0		
Oral Bio&Maxillofacial Path	OBMP	5002	Bioclinical Seminar II		0	0	1		
Oral Bio&Maxillofacial Path	OBMP	5003	Special Topics in Oral Biology		4	4	8		
Oral Bio&Maxillofacial Path	OBMP	7210	Applied Pathology	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.	3	3	3	0	0
Oral Bio&Maxillofacial Path	OBMP	8001	Topics in Oral Biology 1	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. Prerequisites: D.M.D., D.D.S., or equivalent;	2	2	2	0	0

2 years dental school for combined programs.

Oral Bio&Maxillofacial Path	OBMP	8002	Topics in Oral Biology 2	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. Prerequisites: D.M.D., D.D.S., or equivalent; 2 yrs dental school for combined programs.	2	2	2	0	0
Oral Bio&Maxillofacial Path	OBMP	8003	Topics in Oral Biology 3	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. Prerequisites: D.M.D., D.D.S., or equivalent; 2 yrs dental school for combined programs.	2	2	2	0	0
Oral Bio&Maxillofacial Path	OBMP	8004	Topics in Oral Biology 4	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.	2	2	2	0	0
Oral Bio&Maxillofacial Path	OBMP	8540	Advanced Oral Pathology	This course is comprised of a series of lectures on Advanced Oral Pathology with	2	2	2	0	0



emphasis on the etiology, mechanisms, and state of the art diagnostic measures and prognostic evaluation.

Oral Bio&Maxillofacial Path	OBMP	8640	Research Proposal Development	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.	2	2	2	0	0
Oral Bio&Maxillofacial Path	OBMP	9010	Grad Oral Bio Seminar	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.	1	1	1	0	0
Oral Bio&Maxillofacial Path	OBMP	9020	Grad Oral Bio Seminar	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.	1	1	1	0	0

presenter.

Oral Bio&Maxillofacial Path	OBMP	9210	Investigation of a Problem	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.	1	1	0	0	0
Oral Bio&Maxillofacial Path	OBMP	9300	Research	The student works closely with his 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 disseration or MS thesis. Prerequisites: Permanent assignment to a specific lab with a faculty advisor and a defined research project.	1	1	0	0	0
Oral Bio&Maxillofacial Path	OBPR	8001	Topics in Oral Biology 1	Hard Tissue Biology, TMJ Disorders, Regeneration/Repair	2	2	2		
Oral Bio&Maxillofacial Path	OBPR	8002	Topics in Oral Biology 2	Bleeding Disorders, Orofacial Infections	2	2	2		
Oral Bio&Maxillofacial Path	OBPR	8003	Topics in Oral Biology 3	Pain and Anxiety Management in Dentistry Salivary Gland Function in health and Disease Management of the medically Compromised Patient	2	2	2		
Oral Bio&Maxillofacial Path	OBPR	8004	Topics in Oral Biology 4	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.	2	2	2		
Oral Bio&Maxillofacial Path	OBPR	8540	Advanced Oral Pathology 1	This course is designed to meet the educational endeavors in oral and para-oral pathology for residents in various clinical disciplines and graduate students in oral biology and maxillofacial pathology. the course includes most current advanced oral	2	2	2		

course includes most current advanced oral pathology parameters derived from various clinical and scientific journals. The subjects of lectures are compiled in consultation with the clinical residency directors; over the years.

Oral Bio&Maxillofacial Path	OBPR	9010	Graduate Oral Biology Seminar	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 experience in presenting their scientific results to audiences of their peers.	1	1	1
Oral Bio&Maxillofacial Path	OBPR	9020	Graduate Oral Biology Seminar	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 experience in presenting their scientific results to audiences of their peers.	1	1	1
Oral Diagnosis	EDSC	5901	Emergency Dental Services		1	1	1
Oral Diagnosis	ODOM	5001	Principles of Personal Prevent		1	1	1
Oral Diagnosis	ODOM	5002	Oral Diagnosis 1		1	1	1
Oral Diagnosis	ODOM	5003	Oral Medicine The Medically C		3	3	3
Oral Diagnosis	ODOM	5005	Senior Comprehensive Care Case		1	1	1
Oral Diagnosis	ODOM	5901	Oral Medicine Clinic		0	0	0
Oral Diagnosis	ODOM	5902	Oral Medicine Clinic		1	1	2
Oral Diagnosis	ORPR	5001	Orientation to the		1	1	2

			Profession					
Oral Diagnosis	RADD	5001	Radiology	2	2	2	1	
Oral Diagnosis	RADD	5002	Dental Radiologic Interpretation	2	2	2		
Oral Diagnosis	TXPL	5001	Treatment Planning 1	1	1	1		
Oral Diagnosis	TXPL	5002	Treatment Planning 2	1	1	1		
Oral Rehabilitation	CDCL	5001	Complete Dentures	3	3	1	1	3
Oral Rehabilitation	CDPR	5001	Preclinical Complete Dentures	1	1	0	0	
Oral Rehabilitation	DMAT	5001	Dental Materials	2	2	2	1	
Oral Rehabilitation	ESTD	5001	Esthetic Restorative Dentistry	3	3	1	1	
Oral Rehabilitation	FIXP	5001	Fixed Prosthodontics 1	5	5	2	6	
Oral Rehabilitation	FIXP	5002	Fixed Prosthodontics 2	4	4	2	6	
Oral Rehabilitation	GERD	5001	Introduction to Geriatric Dentistry	2	2	2		
Oral Rehabilitation	OCCL	5001	Dental Anatomy and Occlusion	7	7	4	5	
Oral Rehabilitation	OCCL	5002	Occlusal Analysis	3	3	1	1	2
Oral Rehabilitation	OCCL	5003	Diagnosis and Treatment of Tem	2	2	1	1	
Oral Rehabilitation	OCCL	5901	Occlusion Clinic	0	0			0
Oral Rehabilitation	OPER	5001	Operative Dentistry	1	1	0	0	
Oral Rehabilitation	PADM	5001	Introduction to Operatory Proc	1	1	1		
Oral Rehabilitation	PADM	5002	Principles and Practice of Small	2	2	2		
Oral Rehabilitation	PADM	5003	Principles and Practice of Small	3	3	3		
Oral Rehabilitation	PROS	5001	Advanced	3	3	2	1	

				Prosthodontics			
Oral Rehabilitation	PROS	5901	Prosthodontics Clinic	0	0		0
Oral Rehabilitation	REST	5001	Fixed Prosthodontics Seminar	1	1	1	
Oral Rehabilitation	REST	5002	Restorative Seminar	0	0	0	
Oral Rehabilitation	REST	5901	Restorative Clinic	2	2		0
Oral Rehabilitation	RPDP	5001	Removable Partial Dentures	1	1	0	0
Orthodontics	ORTH	5001	Orthodontics 1	2	2	2	1
Orthodontics	ORTH	5002	Orthodontics 2	2	2	2	
Orthodontics	ORTH	5901	Orthodontic Clinic	0	0		0
Orthodontics	ORTR	7010	Edgewise Therapy	12	12	12	
			Contemporary Orthodontics, Basic Cephalometrics, Research				
Orthodontics	ORTR	7020	Advanced Diagnosis 1	12	12	12	
			Literature Review, Contemporary Orthodontics, Advanced Cephalometrics, Principles of Occlusion and TMD, Edgewise Appliances - Biomechanics, Research				
Orthodontics	ORTR	7030	Advanced Diagnosis 2	12	12	12	
			Literature Review, Contemporary Orthodontics, Research, Principles of Occlusion and TMD				
Orthodontics	ORTR	7110	Clinical Orthodontics	14	14		28
			Clinical Orthodontics (Adults and Children)				
Orthodontics	ORTR	7120	Craniofacial Deformities 1				
			Clinical Orthodontics (Adults and Children), Craniofacial Deformities (CL&P)				
Orthodontics	ORTR	7130	Craniofacial Deformities 2	14	14		28
			Clinical Orthodontics (Adults & Children), Craniofacial Orthodontics				
Orthodontics	ORTR	7210	Diagnostic Essentials	2	2		2
			Orientation/Ortho Records, Diagnosis and Treatment Planning, Clinical Photography				
Orthodontics	ORTR	7220	Surgical Orthodontics	2	2	1	2
			Surgical Orthodontics, Diagnosis and Treatment Planning				
Orthodontics	ORTR	7230	Dentofacial Malocclusions II	2	2		2
			Surgical Orthodontics, Diagnosis and Treatment Planning, Graduate Teaching				

## Assistant

Orthodontics	ORTR	8010	Orthodontic Treatment	Orthodontic Treatment: Principles and Techniques, Contemporary Orthodontics, Literature Review, Research	12	12	12	
Orthodontics	ORTR	8020	Finishing and Retention 1	Contemporary Orthodontics, Literature Review, Finishing Orthodontic Treatment (Final Details), Research	12	12	12	
Orthodontics	ORTR	8030	Finishing and Retention 2	Contemporary Orthodontics, Literature Review, Finishing Orthodontic Treatment (Final Details)	12	12	12	
Orthodontics	ORTR	8110	Comprehensive Orthodontic Tx 1	Clinical Orthodontics (Adults & Children), Surgical Orthodontics, Craniofacial Deformities, Graduate Teaching Assistant, Principles of Occlusion & TMD, Interdisciplinary Comprehensive Care	14	14		28
Orthodontics	ORTR	8120	Comprehensive Orthodontic Tx 2	Clinical Orthodontics (Adult & Children), Surgical Orthodontics, Craniofacial Deformities, Graduate Teaching Assistant, Principles of Occlusion & TMD, Interdisciplinary Comprehensive Care, Dentofacial Orthopedics - Orthodontics & Orthopedic Appliance Design	14	14		28
Orthodontics	ORTR	8130	Comprehensive Orthodontic Tx 3	Clinical Orthodontics (Adult & Children), Surgical Orthodontics, Craniofacial Deformities, Graduate Teaching Assistant, Principles of Occlusion & TMD, Interdisciplinary Comprehensive Care, Dentofacial Orthopedics - Orthodontics & Orthopedic Appliance Design	14	14		29
Orthodontics	ORTR	8210	Diagnosis & Treatment Plan 1	Diagnosis & Treatment Planning	2	2		2 2
Orthodontics	ORTR	8220	Diagnosis & Treatment Plan 2	Diagnosis & Treatment Planning	2	2	1	2
Orthodontics	ORTR	8330	Diagnosis & Treatment Plan 3	Diagnosis & Treatment Planning	2	2		2 2
Orthodontics	ORTR	9010	Classic & Current Lit Review 1	Literature Review, Research	12	12	12	

Orthodontics	ORTR	9020	Classic & Current Lit Review 2	Literature Review, Defense of Completed Cases, Research	12	12	12	
Orthodontics	ORTR	9110	Comprehensive Orthodontic Tx 4	Clinical Orthodontics, Surgical Orthodontics, Graduate Teaching Assistant, Screening Orthodontic Patients	14	14		28
Orthodontics	ORTR	9120	Comprehensive Orthodontic Tx 5	Clinical Orthodontics, Surgical Orthodontics, Graduate Teaching Assistant, Screening Orthodontic Patients	14	14		28
Orthodontics	ORTR	9210	ABO Tx Plan Assessment 1	Diagnosis & Treatment Planning	2	2	2	2
Orthodontics	ORTR	9220	ABO Tx Plan Assessment 2	Diagnosis & Treatment Planning	2	2	1	2
Patient Services	PTSR	5901	Introduction to Patient Services		2	2	0	0
Patient Services	PTSR	5902	Patient Services		0	0		0
Patient Services	PTSR	5903	Patient Services		1	1		2
Pediatric Dentistry	PEDD	5001	Preclinical Pediatric Dentistry		3	3	3	1
Pediatric Dentistry	PEDD	5002	Pediatric Dentistry Seminar		1	1		1
Pediatric Dentistry	PEDD	5003	Dentistry for the Disabled Pat		1	1	1	
Pediatric Dentistry	PEDD	5901	Clinical Pediatric Dentistry		0	0		0
Pediatric Dentistry	PEDD	5902	Clinical Pediatric Dentistry		2	2		4
Pediatric Dentistry	PEDD	7010	Pediatric Dentistry Didactics		6	6	6	
Pediatric Dentistry	PEDD	7020	Pediatric Dentistry Didactics		6	6	6	
Pediatric Dentistry	PEDD	7030	Pediatric Dentistry Didactics		2	2	2	
Pediatric Dentistry	PEDD	7110	Pediatric Dentistry Clinic	Clinical Patient Care	9	18		9
Pediatric Dentistry	PEDD	7120	Clinical Pediatric Dentistry		5	5		10
Pediatric Dentistry	PEDD	7130	Pediatric Dentistry	Clinical Patient Care	10	10		20

			Clinic				
Pediatric Dentistry	PEDD	7220	Pediatric Dentistry Rotations	Clinical Patient Care Rotations	8	8	16
Pediatric Dentistry	PEDD	8010	Pediatric Dentistry Didactics		2	2	2
Pediatric Dentistry	PEDD	8020	Pediatric Dentistry Didactics		6	6	6
Pediatric Dentistry	PEDD	8030	Pediatric Dentistry Didactics		6	6	6
Pediatric Dentistry	PEDD	8110	Pediatric Dentistry Clinic	Clinical Patient Care	10	10	20
Pediatric Dentistry	PEDD	8120	Clinical Pediatric Dentistry		8	8	16
Pediatric Dentistry	PEDD	8130	Pediatric Dentistry Clinic	Clinical Patient Care	10	10	20
Periodontics	IMPL	5001	Intro to Oral Implantology		2	2	1
Periodontics	PERI	5001	Fundamental of Periodontology		2	2	2
Periodontics	PERI	5002	Non-Surgical Periodontics		1	1	1
Periodontics	PERI	5003	Surgical Periodontics		1	1	1
Periodontics	PERI	5004	Periodontology in General Practice		2	2	2
Periodontics	PERI	5901	Periodontology Clinic		1	1	1
Periodontics	PERI	5902	Periodontology Clinic		1	1	2
Periodontics	PERR	7001	Periodontal Therapy Seminar		16	16	16
Periodontics	PERR	7002	Periodontal Therapy Seminar		20	20	20
Periodontics	PERR	7003	Advanced Periodontology 2		28	28	28
Periodontics	PERR	7101	Clinical Periodontics 1		16	16	32



Periodontics	PERR	7102	Clinical Periodontics 2	Clinical Patient Care	20	20		40
Periodontics	PERR	8004	Advanced Periodontology 3		20	20		20
Periodontics	PERR	8005	Advanced Periodontology 4		28	28	28	
Periodontics	PERR	8103	Clinical Periodontics 3	Clinical Patient Care	8	8		16
Periodontics	PERR	8104	Clinical Periodontics 4		16	16		32
Periodontics	PERR	8105	Clinical Periodontics 5	Clinical Patient Care	20	20		40
Periodontics	PERR	9006	Advanced Periodontology 5		20	20	20	
Periodontics	PERR	9007	Advanced Periodontology 6		28	28	28	
Periodontics	PERR	9106	Clinical Periodontics 6	Clinical Patient Care	8	8		16
Periodontics	PERR	9107	Clinical Periodontics 7		16	16		32
Periodontics	PERR	9108	Clinical Periodontics 8	Clinical Patient Care	20	20		40
Periodontics	RSUR	5006	Oral Surgery Internship	PPROF_ORMS	27	27	10	50
Prosthodontics	PROR	7010	Didactic Prosthodontics		16	16	16	
Prosthodontics	PROR	7020	Didactic Prosthodontics	Current Literature Review, Treatment Planning, Classic Literature Review, Occlusion/Articulator Seminar, Maxillofacial Prosthodontics	11	11	11	
Prosthodontics	PROR	7030	Didactic Prosthodontics		10	10	10	
Prosthodontics	PROR	7120	Clinical Prosthodontics	Prosthodontic patient care clinic.	12	12		24
Prosthodontics	PROR	7130	Clinical Prosthodontics	Clinical Patient Care	14	14		28
Prosthodontics	PROR	8020	Didactic	Current Literature Review, Treatment	13	13	13	

			Prosthodontics	Planning Conference, Classic Literature Review, Occlusion/Articulation Seminar, Removable Partial Prosthodontics			
Prosthodontics	PROR	8030	Didactic Prosthodontics		10	10	10
Prosthodontics	PROR	8110	Clinical Prosthodontics	Clinical Patient Care	17	17	34
Prosthodontics	PROR	8120	Clinical Prosthodontics	Prosthodontic patient care clinic.	12	12	24
Prosthodontics	PROR	8130	Clinical Prosthodontics	Clinical Patient Care	14	14	28
Prosthodontics	PROR	9010	Didactic Prosthodontics	Research	4	4	4
Prosthodontics	PROR	9020	Didactic Prosthodontics	Current Literature Review, Treatment Planning Conference, Clinical Research	5	5	5
Prosthodontics	PROR	9030	Didactic Prosthodontics		6	6	6
Prosthodontics	PROR	9110	Clinical Prosthodontics	Clinical Patient Care	17	17	34
Prosthodontics	PROR	9120	Clinical Prosthodontics	Prosthodontic patient care clinic.	15	15	30
Prosthodontics	PROR	9130	Clinical Prosthodontics	Clinical Patient Care	14	14	28
Restorative Dentistry	REST	5902	Restorative Clinic		0	0	12
Restorative Dentistry	AGDR	7011	Adv General Dent Didactic Crse	Advanced General Dentistry Didactic Course	1	1	5
Restorative Dentistry	AGDR	7012	Adv General Dent Clin Crse-Pat	Advanced General Dentistry Clinic Course - Patient Care	5	5	35
Restorative Dentistry	AGDR	7021	Adv General Dentistry Didactic	Advanced General Dentistry Didactic Course	7	7	5
Restorative Dentistry	AGDR	7022	Adv General Dent Clin-Pat Care	Advanced General Dentistry Clinic - Patient Care	23	23	35
Restorative Dentistry	AGDR	7031	Adv Gen Dent Didactic Course	Advanced General Dentistry Didactic Course	9	9	5
Restorative Dentistry	AGDR	7032	Adv Gen Dent Clinic-Pat Care	Advanced General Dentistry Clinic - Patient Care	30	30	35
Restorative Dentistry	GPRR	7011	General Practice	Case Presentations and Treatment Planning,	12	12	12

Didactics 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

Restorative Dentistry	GPRR	7012	General Practice Clinic	Patient Care	20	20	40
Restorative Dentistry	GPRR	7021	General Practice Didactics	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	12	12	12
Restorative Dentistry	GPRR	7022	General Practice Clinic	Anesthesia Rotation, Emergency Medicine Rotation, Oral Surgery Rotation, Pediatric Dentistry Rotation, General Practice Patient Care Clinic	20	20	40
Restorative Dentistry	GPRR	7031	General Practice Didactics	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	12	12	12
Restorative Dentistry	GPRR	7032	General Practice Clinic	Patient Care	20	20	40
School of Dentistry	COMC	5901	Comprehensive Care		14	14	28
School of Dentistry	COMC	5902	Comprehensive Care		15	15	30
School of Dentistry	DPAT	5004	Clinical Oncology		1	1	1
School of Dentistry	DPHM	5003	Pharmacology		1	1	1

			Seminar			
School of Dentistry	ODOM	5004	Oral Medicine	1	1	1

# MCG CATALOG

[MCG Catalog > School of Graduate Studies](#)

## School of Graduate Studies

Direct links to specific pages outside of the Catalog are provided here for your convenience.

- [School of Graduate Studies Home Page](#)
- [Admissions Requirements](#)
- [Course Descriptions \(PDF\)](#)
- [School of Graduate Studies Faculty](#)

### master of science

- [Allied Health](#)
- [Biochemistry and Molecular Biology](#)
  - [General Information](#)
- [Biostatistics](#)
- [Cellular Biology & Anatomy](#)
  - [Graduate Program Brochure](#)
- [Clinical and Translational Science](#)
  - [Curriculum](#)
- [Genomic Medicine](#)
  - [Curriculum](#)
- [Microbiology](#)
- [Molecular Medicine](#)
  - [Program Overview](#)
  - [Sample Curriculum](#)
  - [Program Brochure](#)
- [Neuroscience](#)
  - [Admissions and Course Information](#)
  - [Course Descriptions](#)
- [Pharmacology](#)
  - [Program Brochure](#)
- [Physiology](#)
  - [Program Brochure](#)
- [Vascular Biology](#)
  - [Curriculum](#)
  - [Admission Requirements](#)

### master of Health Education

- [Health Education \(Program Currently Deactivated\)](#)

### doctorate

- [Biochemistry and Molecular Biology](#)

## General Information

- ▣ Biostatistics
  - Cellular Biology & Anatomy
    - Graduate Program Brochure
- ▣ Genomic Medicine
  - Curriculum
- Microbiology
- ▣ Molecular Medicine
  - Program Overview
  - Sample Curriculum
  - Program Brochure
- Neuroscience
  - Admissions and Course Information
  - Course Descriptions
- Pharmacology
  - Program Brochure
- ▣ Physiology
  - Program Brochure
- Vascular Biology
  - Curriculum
  - Admission Requirements

NOTE: Graduate programs not listed here can be found on the school page with the primary teaching responsibility.

## School of Graduate Studies: Course Descriptions Fall 2007

Department	Course Subject	Course No.	Course Title	Course Description	Credit Hrs.	Bill Hrs.	Lecture Hrs.	Lab Hrs.	Other Hrs.
Biostatistics	NURS	6300	Intro to Epidemiology and Biostat	This course will focus on applying epidemiologic principles to health promotion and illness prevention along the continuum of care in multiple settings.	3	3	3		
Biostatistics	STAT	4010	Statistics and Research Method	This course provides an introduction to research methodology and principles including basic methods of statistical analysis. Topics include descriptive and inferential statistics, epidemiology research designs, and reliability and validity of measurement. Students will perform statistical analysis and display of data and results, including use of microcomputer software package, and will critically evaluate published reports of clinical and epidemiological studies.	3	3	2	2	
Biostatistics	STAT	4020	Statistics and Research Method	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, statistical process control, epidemiology, and research designs. Students will create data summaries and perform statistical analyses using a statistical software package.	3	3	3	1	
Biostatistics	STAT	6300	Intro to Epidemiol and Biostat	This course serves as an introduction to epidemiology and biostatistics. The epidemiology portion of this course is intended to introduce students to epidemiology and its application to public health research and	3	3	3		

application to public health research and practice. It provides a conceptual foundation for further study of epidemiology; especially study design, quantitative concepts and methods, analysis, and interpretation. The biostatistics portion of this course offers an introduction to the basic statistical techniques used to analyze and interpret data in the biomedical, health sciences and related fields. Emphasis is on applications of these methods, with probability, discrete and continuous distribution, inferential statistics (estimation and hypothesis testing) for numeric and categorical data, non-parametric methods, analysis of variance, regression, and correlation topics covered.

Biostatistics	STAT	7010	Biostatistic I	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 application of these methods, with the following topics covered: 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. Prerequisites: College Algebra (Calculus highly recommended).	3	3	3	0	0
Biostatistics	STAT	7020	Biostatistic II	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	3	3	3	0	0



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. Prerequisites: Biostatistics I (or comparable introductory graduate-level statistics course).

Biostatistics	STAT	7040	Biomedical Statistics	<p>This survey 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 the one and two-sample case) for numeric and categorical data, non-parametric methods, one-way ANOVA, simple linear regression, correlation, factorial ANOVA (fixed and random effects), multiple linear regression and correlation, ANCOVA, logistic regression, longitudinal data analysis, and survival analysis and the critical reading of the research literature. Prerequisites: College Algebra (Calculus highly recommended) or prior approval of course director.</p>	3	3	3	0	0
Biostatistics	STAT	7050	Research Design and Statistics	<p>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</p>	1	1	1	0	0

modules with voice-overs and remote administration/testing. Prerequisites: College algebra or permission of the instructor.

Biostatistics	STAT	7060	Research Design and Statistics	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 or permission of the instructor.	1	1	1		
Biostatistics	STAT	7070	Biomedical Statistics	This course offers an introduction to the basic statistical techniques used to analyze and interpret data in the biomedical, health sciences and related fields. Emphasis is on applications of these methods, with 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. Students will learn to use the NCSS microcomputer statistical software package.	3	3	3		
Biostatistics	STAT	8110	Intro to Biostat	This course offers an introduction to the basic statistical techniques used to analyze and interpret data in the health sciences and	3	3	3	0	0

related fields. Emphasis is on applications of these methods, with graphical statistics (estimation and hypothesis testing for the one and two-sample case) for numeric categorical data, non-parametric methods, analysis of variance, regression, and correlation. Prerequisites: Calculus.

Biostatistics	STAT	8120	Probability and Distributions	This course covers basic probability theory, the concepts of random variables, univariate and multivariate distributions, discrete and continuous joint, marginal, and conditional distributions in general. Several specific probability distributions are covered in detail: normal, binomial, multinomial, Student's t, F, chi-square. Expectation theorems, the law of large numbers, and the central limit theorem are also covered. Prerequisites: Calculus.	3	3	3	0	0
Biostatistics	STAT	8130	Intro to Epidemiology	This course serves as an introduction to epidemiology. Topics include basic concepts, types of studies, description and analysis of epidemiologic data, and epidemiology in disease control.	3	3	3	0	0
Biostatistics	STAT	8140	Programming for Data Analysis	This course provides a hands-on exposure to programming, data management and report generation with one of the most popular statistical software packages.	2	2	2	0	0
Biostatistics	STAT	8210	Linear Models I	This course is a study of the general linear statistical model and the linear hypothesis. Topics include the multivariate normal distributions of quadratic forms, and parameter estimation and hypothesis testing for full-rank regression models. Variable selection, regression diagnostics and "dummy" variable coding will also be covered. Prerequisites: Knowledge of linear algebra.	3	3	3	0	0

Biostatistics	STAT	8220	Est & Hypothesis Testing	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. Prerequisites: Multivariable Calculus and Probability & Distributions. STAT8120.	3	3	3	0	0
Biostatistics	STAT	8230	Experimental Design	This course covers the basic principles of experimental design. It covers the concepts of randomization, blocking, replication and interaction. Various designs are covered and their strengths and weaknesses are illuminated. These designs include factorials, complete and incomplete designs, Latin and Greco-Latin square designs, and split-plot designs. Confounding and fractional replication is also covered.	3	3	3	0	0
Biostatistics	STAT	8240	Intro to Clinical Trials	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.	3	3	3		
Biostatistics	STAT	8260	Design & Analysis of Observational Study	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	3	3	3		

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.

Biostatistics	STAT	8270	Categorical Data Analysis	This course focuses on statistical methods for analyzing categorical data; topics include inference for a single proportion; inference for two-way contingency tables; models for categorical response variables, including logistic and loglinear models; analysis of matched-pairs data; power and sample size considerations. Emphasis will be placed on methods and models most useful in health-related research.	3	3	3		
Biostatistics	STAT	8310	Linear Models II	This course is a continuation of Linear Models I, and covers the analysis of experiments using linear models. Single- and multiple-factor analysis of variance and analysis of covariance will be examined, including types of factor effects and analysis involving missing data. Topics of experimental design relevant to biomedical research will also be covered.	3	3	3	0	0
Biostatistics	STAT	8311	Demo & Analy Rates & Prop	This course introduces students to the basics of demographic estimation and analysis and introduces students to those statistical methods useful in the analysis of rates and proportions.	3	3	3	0	0
Biostatistics	STAT	8320	Time to Event Data	This course serves as an introduction to time-	3	3	3	0	0

## Analysis

to-event (survival) data analysis. Both theory and applications are covered and methods include non-parametric, parametric, and semi-parametric (Cox model) approaches.

Biostatistics	STAT	8321	Stat Mod of Mole Evo & Phyl	Introduction to modeling DNA and protein evolution and to reconstructing evolutionary relationships from DNA and protein sequences. Statistical models are applied to comparisons of DNA and protein sequences to make inferences about their common ancestry and past evolutionary events.	3	3	3	0	0
Biostatistics	STAT	8330	Special Topics in Biostat	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 interest of the instructor and the students. Prerequisites: Permission of the Instructor.	3	3	3	0	0
Biostatistics	STAT	8331	Mendelian Genetics	The analysis of frequencies of single Mendelian genes within populations including Hardy-Weinberg equilibrium, non-random mating, admixture/subdivision, linkage equilibrium, selection/mutation, likelihood estimation, latent variables and the EM algorithm, pedigree analysis and genetic identify, linkage analysis.	3	3	3	0	0
Biostatistics	STAT	8340	Reading and Research	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. Prerequisite: Permission of instructor.	1	1	1	0	0
Biostatistics	STAT	8341	Intro to Clinical	This introductory course will address basic	3	3	3	0	0

Trials 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.

Biostatistics	STAT	8350	Epidemic Modeling	This course serves as an introduction to types of epidemiological studies and covers modeling of various types of epidemics.	3	3	3		
Biostatistics	STAT	8360	Systematic Reviews	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.	3	3	3		
Biostatistics	STAT	8410	Generalized Linear Models	This course serves as an introduction to Generalized Linear Models (GLMs). It instructs students in a unifying theory that combines the areas of linear models, non-linear models, regression, categorical data, and analysis of variance. Prerequisites: All other biostatistics courses except Time-To-Event Data Analysis - STAT 8320.	3	3	3	0	0
Biostatistics	STAT	8412	Epidemic Modeling	This course serves as an introduction to types of epidemiological studies and covers	3	3	3	0	0

modeling of various types of epidemics.

Biostatistics	STAT	8422	Biological Seq Analysis	Introduction to statistical methods in the analysis of DNA and protein sequence data. This course exposes students to applications of statistical theory to assembling biological sequences, making inferences about single sequences, and comparing two or more sequences. Statistical foundations of BLAST tests are covered.	3	3	3	0	0
Biostatistics	STAT	8432	Quantitative Genetics	The statistical analysis of complex phenotypes. Topics include genotypic value, genetic variance, and linear models. Environmental variance, genotype by environment interaction, threshold models and generalized linear mixed models, mapping quantitative trait loci (QTL), and variance component estimation.	3	3	3	0	0
Biostatistics	STAT	8442	Design Analy Clinical Trials	This course will address advanced statistical techniques used in the design and analysis of both clinical and sequential trials.	3	3	3	0	0
Biostatistics	STAT	8510	Programming for Data Analysis	This course provides a hands-on exposure to programming, data management and report generation with one of the most popular statistical software packages. Prerequisite: College algebra	2	2	2		
Biostatistics	STAT	8513	Systematic Reviews	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, svstematic reviews of controlled clinical trials.	3	3	3	0	0



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.

Biostatistics	STAT	8520	Statistical Theory I	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. Prerequisites: Multivariable Calculus and Matrix Algebra.	3	3	3		
Biostatistics	STAT	8523	Analysis Microarray Gen Expr Dat	Introduction to modeling and analyzing expression data of microarrays. Methods of cluster analysis will be covered as ways to attempt to group genes of the same biochemical pathways together. Students will also learn to test hypotheses related to microarray designs, with emphasis on determining which genes are differentially expressed between two populations.	3	3	3	0	0
Biostatistics	STAT	8533	Med Gentic & Gentic Epide	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.	3	3	3	0	0
Biostatistics	STAT	8600	Biostat Consulting in Res	This course is designed for students to gain practical experience in integration of statistical theory and application in current research, systematic formulation of problems, data format, collection procedures, design	3	3	3	0	0

format, collection procedures, design, analysis, interpretation and communication of results. A project write-up will be required at the conclusion of each project. Course Prerequisites: All core biostatistics courses (except STAT8320) and one of the three elective module courses.

Biostatistics	STAT	8610	Applied Linear Models I	This course will continue the investigation of simple linear regression from the introduction to Biostatistics course with extension to multiple linear regression models. Model selection, validation, diagnostics and remedial measures will be covered. SAS will be used for applying these methods to biomedical data.	3	3	3
Biostatistics	STAT	8620	Statistical Theory II	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.	3	3	3
Biostatistics	STAT	8710	Applied Linear Models II	One-way analysis of variance (ANOVA), multiple treatment comparisons, ANOVA diagnostics, factorial ANOVA, randomized complete block designs, analysis of covariance (ANCOVA), ANOVA with unbalanced data, random and mixed effect models, repeated measures designs, nested designs and response surface methods.	3	3	3
Biostatistics	STAT	8720	Survival Analysis	This course offers an introduction to the analysis of observed times to events, e.g., times to death (survival times). The course	3	3	3

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, & others). Other topics covered include model development, model adequacy, extensions to the Cox PH model, recurrent event models and frailty models.

Biostatistics	STAT	8740	Design and Analy of Clin Trial	This course will address advanced statistical techniques used in the design and analysis of both clinical and sequential trials.	3	3	3
Biostatistics	STAT	8870	Biostatistical Consul in Resea	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.	3	3	3
Biostatistics	STAT	8880	Special Topics	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.	1	1	3
Biostatistics	STAT	8890	Readings and Research	This course consists of readings in the biostatistical literature, culminating in written and oral presentations. Prerequisites: Permission of instructor	1	1	
Biostatistics	STAT	8910	Biostatistical Consulting Proj	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)	3	3	

at the conclusion of the consulting project(s).

Biostatistics	STAT	8920	Thesis Research	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.	3	3			
Biostatistics	STAT	9000	Thesis Research	The thesis project for the MS program will be of two types: 1) Use of established but state-of-the-art statistical tools to analyze and report on collected data sets or 2) A rigorous review of statistical literature, possibly involving a small amount of methodological research, that has potential use in complex biomedical data analysis. Course Prerequisites: All core biostatistics courses (except STAT8320) and one of the three elective module courses.	3	3	0	0	0
Graduate Studies	BCMB	8201	Cur Topics & Tech in MB	Elective course for advanced graduate students (2nd year and up) across departments. Students will solve current problems in molecular biology using the various techniques.	3	3	3	0	0
Graduate Studies	BCMB	8310	Adv Topi Micro & Infec Dis I	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	2	2	2	0	0

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. Prerequisites: SGSS8021 and SGSS8022 or approval from course director.

Graduate Studies	BCMB	8320	Adv Topi Micro & Infec Dis II	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. Prerequisites: SGSS8021 and SGSS8022 or approval from course director.	2	2	5	0	0
Graduate Studies	BCMB	9010	Seminar in BMB	Research presentations by MCG faculty, students and visiting research scientists.	1	1	1	0	
Graduate Studies	BCMB	9210	Investigation of Problem	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. Prerequisite: Admission in a	1	1	0	0	

in action. Prerequisite: Admission in a graduate program.

Graduate Studies	BCMB	9300	Research	The student works closely with his 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. Prerequisites: Permanent assignment to a specific lab with a faculty advisor and a defined research project.	1	1	0	0	
Graduate Studies	MOLM	8040	Molecular Medicine	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. Prerequisite: Completion of 1st year biomedical sciences graduate core curriculum.	3	3	0	0	
Graduate Studies	MOLM	8110	Adv Topics Neurobiology	This course will cover current topics in neurobiology including developmental neurobiology, intracellular and intercellular communication, neurodegeneration and other diseases of the nervous system. The course will emphasize an understanding of the neurochemical and molecular mechanisms under normal conditions and leading to dysfunction. The course will focus on developing a critical understanding of the current scientific literature in neurobiology and preparing the students for careers in	3	3	0	0	0

neurobiological research. Prerequisite: Completion of 1st year biomedical sciences graduate core curriculum, and be in good standing in one of the biomedical sciences PhD programs. Total class enrollment will be limited to 10 students and preference will be given to students in the neurobiologically oriented graduate program.

Graduate Studies	MOLM	9010	Adv Sem in Molecular Med	Seminar-style course covers a single, current topic in Molecular Medicine. Prerequisite: Completion of 1st year biomedical sciences graduate core curriculum.	1	1	0	0	2
Graduate Studies	MOLM	9020	Seminar in Molecular Med	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 to provide written summaries of some of the topics presented. This course is offered in the fall semester. Prerequisites: Entry into the Molecular Medicine graduate program. Required course for all Molecular Medicine students each fall semester until completion of the dissertation defense.	1	1	0	0	0
Graduate Studies	MOLM	9030	Seminar in Molecular Med	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. Prerequisites: Entry into the Molecular Medicine graduate program. Required course for all Molecular Medicine students each spring semester until	1	1	0	0	1

completion of the dissertation defense.

Graduate Studies	MOLM	9210	Invest of a Problem	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. Prerequisites: Admission to a graduate program.	1	0	0	0
Graduate Studies	MOLM	9300	Research	After successful completion of the second qualifying examination, the student works closely with his/her 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. Prerequisites: Permanent assignment to a specific lab with a major advisor and a defined research project.	1	1	0	0
Graduate Studies	NURO	8082	Neuroscience II	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.	4	4	4	0
Graduate Studies	NURO	8090	Clinical Neuroscience	This course will give students intensive clinical exposure to neurological, psychiatric and ophthalmic disorders. Students will 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 will shadow physicians in the epilepsy clinic, be involved with EEG conferences, brain imaging and epilepsy surgery. Students will also be involved in using human brain tissue from these surgeries in basic neuroscience	4	4	4	0



research.

Graduate Studies	NURO	9010	Neuroscience Seminar	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.	1	1	0	0	1
Graduate Studies	NURO	9210	Inv of a Problem in Neuro	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.	1	1	0	24	0
Graduate Studies	NURO	9300	Research in Neuroscience	The student works closely with his/her 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.	1	1	0	24	0
Graduate Studies	SGSS	8011	Respon Conduct of Research	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. Prerequisites: Acceptance into the School of Graduate Studies.	1	1	1	0	0
Graduate Studies	SGSS	8012	Scientific Communications	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	1	1	1	0	0

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. Prerequisites: Acceptance into the School of Graduate Studies.

Graduate Studies	SGSS	8021	Biochem & Gene Regulation	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. Prerequisites: Acceptance into the School of Graduate Studies.	5	5	4	0	2
Graduate Studies	SGSS	8022	Molecular Cell Biology	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. Prerequisites: Acceptance into the School of Graduate Studies.	5	5	4	0	2

Graduate Studies	SGSS	8033	Integrated Systems Biology	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. Prerequisites: Acceptance into the School of Graduate Studies.	6	6	5	2	0
Graduate Studies	SGSS	8040	Intro to Faculty Research	An introduction to all research topics currently being conducted by biomedical sciences graduate faculty. Prerequisites: Acceptance into the School of Graduate Studies PhD program.	2	2	0	0	4
Graduate Studies	SGSS	8050	Intro to Research I	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. Prerequisites: Acceptance into the School of Graduate Studies Ph.D. program.	2	2	0	10	0
Graduate Studies	SGSS	8060	Intro to Research II	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.	2	2	0	10	0
Graduate Studies	SGSS	8065	Critical Analy of Mechni	This interdisciplinary course is designed to teach students how to read and analyze literature in the context of introducing students to the pathophysiological basis of disease. Emphasis is placed in three major areas: immunology, microbiology, and organ system	4	4	4	0	0

immunology, microbiology, and organ system pathophysiology. Class time includes a mixture of traditional lectures to cover background material along with a heavy emphasis on student discussion of the primary literature. Prerequisites: SGS 8021, SGS 8022, or approval from course director.

Graduate Studies	SGSS	8070	Cancer Biology & Immunology	This course is the first course of a two-hour sequence covering fundamental aspects of cancer biology. There is an emphasis on basic immunology and immunobiology as related to cancer, the etiology of cancer, natural history of neoplasia, epidemiology, host-tumor relationships and principles of chemotherapy biological therapy and radiotherapy.	6	6	5	2	0
Graduate Studies	SGSS	8080	Neuroscience I	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. 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.	4	4	4	0	0
Graduate Studies	SGSS	8091	Fundamentals of Functional Genomics	This course will provide a fundamental understanding of how genomic and proteomic information can be used to elucidate functional mechanisms in an organism. Emphasis will be placed on linking genomic information to functional changes occurring at the cellular, organ and whole organism levels. The course will provide interdisciplinary lectures to train	2	2	2	0	0

... provide interdisciplinary lectures to train students to move freely among the disciplines needed to investigate genome function. The focus of the course will be on the relevance of functional genomics to inherited and acquired diseases and the process of converting the knowledge to the discovery of new therapeutics.

Graduate Studies	SGSS	8092	Fundamentals of Genomic Medicine	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, proteomics and bioinformatics. The focus of the course will be to understand the experimental identification of genes responsible for disease and modern applications of genomics and proteomics to understanding biological processes as well as their impact on modern medicine. Prerequisites: SGS 8021, SGS 8022, or approval from course director.	4	4	4	0	0
Graduate Studies	SGSS	8121	Gastrointestinal Physiology	This one hour course will cover the basics of GI Physiology for upper-level graduate students. Students will be introduced to cellular and systemic physiology of digestion and absorption, the biology of gastric hormones and the regulation of hepatic function.	1	1	1		
Graduate Studies	SGSS	8122	Pulmonary Physiology	This one hour course will cover the basics of Pulmonary Physiology for upper-level	1	1	1		

graduate students. Students will be introduced to cellular and systemic physiology of ventilation, gas exchange and the regulation of the pulmonary circulation.

Graduate Studies	SGSS	8130	Scientific Grant Writing	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. Prerequisites: Satisfactory completion of the first year biomedical sciences core curriculum, or permission of the course director.	1	1	1	0	0
Graduate Studies	SGSS	8210	Fundamentals of Oncology I	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. Prerequisites: Satisfactory completion of the first year biomedical sciences core curriculum, or permission of the course director.	4	4	3	2	0
Graduate Studies	SGSS	8220	Fundamentals of Oncology II	As the second semester of a two-semester course sequence, this course offers a survey of the entire spectrum of human neoplasias, emphasizing their classification, their natural history, their cellular and molecular biology and the diverse ways of which they are treated. Prerequisites: Satisfactory completion of SGS 8210, or permission of the course director.	4	4	3	2	0
Graduate Studies	SGSS	9210	Investigation of	The student works with individual faculty	1	1	0	0	0

Problem 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.

Graduate Studies	BCMB	5002	RSCH-Biochem-Molecular Bio	To provide the student an opportunity to train in basic research with direct relevance to the clinical interests of the student.	7	7			
Graduate Studies	BCMB	7450	Medical Biochemistry	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.	7	7	8	0	0
Graduate Studies	IMMB	8110	Medical Microbiology	This course combines principles of Immunology, Medical Microbiology and Infectious Diseases.	7	7	6	0	0

# MCG CATALOG

[MCG Catalog > School of Medicine](#)

## School of Medicine

Direct links to specific pages outside of the Catalog are provided here for your convenience.

doctor of medicine

- [School of Medicine Home Page](#)
- ▣ [Admissions Bulletin](#)
- ▣ [General Admissions Requirements](#)
- [Curriculum](#)
- [Course Descriptions \(PDF\)](#)
- [Financial Information](#)
- [Student Promotions, Policies and Procedures \(pdf\)](#)
- ▣ [Residency Programs](#)
- ▣ [Continuing Medical Education](#)
- [School of Medicine Faculty](#)

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## School of Medicine: Course Descriptions Fall 2007

Department	Course Subject	Course No.	Course Title	Course Description	Credit Hrs.	Bill Hrs.	Lecture Hrs.	Lab Hrs.	Other Hrs.
Pediatrics	PEDS	5000	Basic Clkshp in Pediatric	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. Prerequisite: Successful completion of Phase II	15	15	28		45
Pediatrics	PEDS	5001	Subs Neona Intern	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. Prerequisite: PED 5000	10	10	10		50
Pediatrics	PEDS	5002	Off Campus Special Elec	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. Prerequisite: PED 5000	7	7			40

admission prerequisites: PED 5000

Pediatrics	PEDS	5004	Off Campus Preceptorship	Clinical experience in child health in an off campus setting, Prerequisite: Phase II	7	7	15	40
Pediatrics	PEDS	5005	Pediatric Cardiology	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. Prerequisite: PED 5000	7	7	10	40
Pediatrics	PEDS	5006	Allerg-Clin Immun	Students will evaluate patients of all ages presenting with a variety of disorders ranging from common respiratory and cutaneous allergies to uncommon immunologic disorders. Students will 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. Prerequisite: None	7	7	10	50
Pediatrics	PEDS	5007	Pediatric Research	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	7	7	2	40

technique or a specific investigative methodology, he/she may arrange this with a member of the faculty. Prerequisite: None

Pediatrics	PEDS	5009	Subs Pediatric Intern MCG	The Pediatric substitute intern will serve as an active member (acting intern) of the Pediatric Housestaff 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. Prerequisite: PED 5000	10	10	10	50
Pediatrics	PEDS	5010	Ped Hem-Onc-Sav	The student will develop his/her clinical skills by evaluating and following children and young adults with hematologic or oncologic disorders. Students will follow and manage patients admitted to the Pediatric Hem/Onc Service.	7	7	10	40
Pediatrics	PEDS	5011	Pediatric Gastroenterology	This special elective provides the student an opportunity to participate in the diagnosis and management of gastrointestinal and hepatic	7	7	10	30

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. Prerequisite: PED 5000

Pediatrics	PEDS	5012	Ped Clkshp MMC-Savannah	The student will perform as an acting intern. The student will assume primary care responsibility for patients admitted to the Children's Hospital under the direct supervision of the faculty. The student will participate in the evaluation and management of emergency pediatric problems. Prerequisite: PED 5000	10	10	10	50
Pediatrics	PEDS	5013	Pediatric Infectious Diseases	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	7	7	10	40

organisms, etc. To research and present one major topic in pediatric infectious diseases during this rotation. Prerequisite: PED 5000

Pediatrics	PEDS	5014	Inter-Well Baby Nur Sub-I	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. Prerequisite: PED 5000	10	10	10	40
Pediatrics	PEDS	5016	UH Ped Emer Rm	This elective offers the student exposure to a variety of presentations and problems in Pediatric Acute Care; medical illnesses, trauma, minor surgical procedures, as well as major emergencies. There will be an opportunity to assume progressive responsibility for patient care as an extern under the supervision and guidance of Emergency Room pediatricians. Emphasis is placed on experiential learning and you will follow your patients' progress in this unique Emergency Room setting. You will be required to work every other weekend. Prerequisite: PED 5000	10	10	5	40
Pediatrics	PEDS	5017	Ped Hema-Oncology	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	7	7	10	50

will be reviewed. A research project can be a part of this elective if the student so desires.

Pediatrics	PEDS	5018	Pediatric Clinical Care	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. Prerequisite: Must have completed PED 5000 with a grade of B or above	10	10	12	50
Pediatrics	PEDS	5019	Medical Genetics	Students will expand their knowledge of medical genetics, regarding inheritance of traits, genetic basis of diseases and birth defects, and how genetic disorders are diagnosed and managed. Prerequisites: PED 5000	7	7	10	30
Pediatrics	PEDS	5020	Pediatric Endocrinology	This elective is designed to familiarize the student with normal variations in prepubertal and pubertal growth patterns, the diagnostic approach to pediatric endocrine conditions and the ongoing management of the conditions. The weekly Pediatric Diabetes	7	7	20	20

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. Prerequisite: PED 5000

Pediatrics	PEDS	5022	Pediatric Pulmonology	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. Prerequisite: PED 5000	7	7	24	16
Pediatrics	PEDS	5023	Adolescent Med Elective	This elective provides a concentrated student exposure to adolescent medicine in the primary care (outpatient) environment. The spectrum of care can be expected to include acute and chronic illnesses, gynecologic care, sports medicine, psychosocial and family disorders, growth problems, contraceptive counseling, issues related to adolescent sexuality, and substance abuse disorders. The instructional focus will concentrate upon accurate, extended history taking and communication skills needed to care for this challenging patient population. Recognition and appreciation of the common maladies of adolescence will be taught and their treatments will be demonstrated. Ample time is allowed for the student to review the current literature on a medical topic of interest and write a review article during the month. Prerequisite: PED 5000	7	7	10	20

Pediatrics	PEDS	5024	Ped Crit Care-BCH Savannah	This elective in pediatric critical care provides the senior medical student (acting intern) the opportunity to evaluate and manage the critically ill pediatric patient. The student will participate in the diagnosis and management of critically ill children using the history, physical examination, laboratory data and other invasive and non-invasive techniques. A physiologic approach to the evaluation and management of the critically ill patient will be taught and emphasized as it applies to pediatric critical care. Major topics to be covered include: fluid and electrolytes, closed head injury, seizures, respiratory distress/arrest, shock (cardiogenic and non-cardiogenic), poisoning/toxicology, and sepsis. Prerequisite: PED 5000	8	8	12	50
Pediatrics	PEDS	5025	Developmental Pediatrics	Students will work daily with Dr. Carter in the Special Child Clinic caring for children with chronic medical, developmental and neuromuscular conditions. Students will have weekly readings on developmental issues. The student will also attend outlying clinics seeing patients with a wide variety of developmental disabilities. Prerequisite: PED 5000	7	7	12	50
Pediatrics	PEDS	5027	Neonatology Sub-Internship	The objective of the Neonatology Sub-Internship is to give the student an understanding of the practice of Neonatology. The student will be offered the opportunity to provide supervised primary care to neonates in the NICU with responsibilities similar to the NICU resident on a limited number of patients. The clinical experience will be supplemented with a core neonatal lecture series and	10	10	10	50



individualized conferences with the Neonatologist. Students electing this elective should have interest in Pediatrics, Neonatology, Perinatal Medicine, Obstetrics of Intensive Care. Prerequisite: PED 5000

Pediatrics	PEDS	5028	Pediatric Specialty	This elective will provide the student with experiences in (a) Pediatric Cardiology, (b) Pediatric Gastroenterology, and (c) Pediatric Hematology/Oncology. (1) In Pediatric Cardiology, the student will attend outpatient pediatric cardiology clinics one or two days per week. At the end of the elective the student should be able to describe the components of the normal and abnormal pediatric cardiac examination, discuss the events of the cardiac cycle as they relate to the hemodynamics of congenital heart disease and discuss the evaluation and treatment of patients with palpitations, chest pain or syncope. (2) In Pediatric Gastroenterology, the student will attend pediatric gastroenterology clinic on or two days a week. The student will follow inpatient gastroenterology patients with the attending physician. The student will also observe endoscopic procedures and during the month will prepare a pertinent topic for discussion. (3) In Pediatric Hematology/Oncology the student will follow inpatient and outpatient hematology/oncology patients and consults. The student will be expo	7	7	10	40
Pediatrics	PEDS	5034	Ped Crit Care-BCH Savanna	The student should learn how to evaluate and provide the basic management of acutely/critically ill infants and children. Prerequisite: PED 5000	10	10	12	50

Pediatrics	PEDS	5035	Ped Assist Summer Camp	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.	3	3	1	7
Pediatrics	PEDS	5036	Pediatric Subspecialties	Gain experience with the acute and chronic diseases associated with two different pediatric subspecialties.	7	7	5	40
Pediatrics	PEDS	5085	Community Involvement	Students for Community Involvement (SCI) is a two-part elective focused on teaching first and second year medical students principles of preventive cardiology and then giving students an opportunity of going into classrooms throughout the state of Georgia to spread the word about preventive medicine. As part of the elective, there are a series of noon-time "Eat and Learn" lectures on cardiovascular disease, elucidating the role of nutrition, exercise, and smoking in the disease process. Prerequisite: None	1	1	10	
Pediatrics	PEDS	5086	Intro to Ped Hth Prom-Dise	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. Sickle 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 2 weeks, and give a	1	1	10	

student within the first 3 weeks, and give a brief talk on the topic. Prerequisite: None

Pediatrics	PEDS	5087	Neonatology	This elective is an observership in which students will be learning about common neonatal problems. Feeding techniques and their rationale, and treatment modalities used in common problems observed. Prerequisite: None	1	1	4	10
Pediatrics	PEDS	5088	Developmental Pediatrics	The student will see children in the Special Child Clinic. They will be a part of the evaluations with the team decision making process. They will have opportunity to observe children with autism, cerebral palsy, behavior problems, development delay and school problems. Prerequisite: None	1	1	1	2
Pediatrics	PEDS	5089	Fetal Echocardiography	Students will attend echocardiography lectures for pediatric cardiology and learn how to make measurements in preparation for summer research. Prerequisite: None	1	1	1	3
Pediatrics	PEDS	5090	Learning in Family Environment (Life)	Student will step out of their student role and into a true-to-life "hands-on" approach to family-centered care in a patient's home/community environment; students will interact with families/children with chronic medical challenges and/or children with disabilities/special needs. Students will be encouraged to see beyond the child's diagnosis as they see how families accommodate for their child's illness/disability in daily life. The concept of family-centered care will be the basis of this course. Prerequisite: None	1	1	6	
Pediatrics	PEDS	5091	Intro to Integrative Medicine	A study in the practice of utilizing the best and most effective healing modalities from "Complementary" or "Alternative" Medicine in	1	1	2	

				conjunction with conventional, or "Western" medicine. Prerequisite: None				
Pediatrics	PEDS	5092	Pediatric Cardiology	Shadow and observe the physician while learning many aspects of cardiology, patient interaction, and treatment. Prerequisite: None	1	1		4
Pediatrics	PEDS	5093	Physician Healer / Judeo-Christi	To become familiar with the ancient and modern concepts of the physician's role in healing of body, mind, and soul.	1	1	2	
Pediatrics	PEDS	5999	Basic Clerk Remediation in Ped	Remediation of the Basic Core Clerkship in Pediatrics	1	1		
Pediatrics	RPED	5000	Pediatrics Allergy		27	27	10	84
Pediatrics	RPED	5001	Pediatrics Cardiology		27	27	10	84
Pediatrics	RPED	5002	Pediatrics General		27	27	10	84
Pediatrics	RPED	5003	Pediatrics Neonatology		27	27	10	84
Pediatrics	RPED	5004	Pediatrics Critical Care		27	27	10	84
SOM Anesthesiology	ANES	5002	Anesthesiology Research	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. (Dr. Boedeker) Prerequisite: ANES 5011 + Acceptance by Chairman of Department of Anesthesiology	7	7		
SOM Anesthesiology	ANES	5003	Anesthesiology Preceptor	Clinical experience in Anesthesiology in an off campus hospital approved by Departmental Chairman. Prerequisite: None	7	7	10	40
SOM Anesthesiology	ANES	5008	Pain Management	Closely supervised clinical experience in the	7	7	2	

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. (Dr. Martin and Dr. Finnegan) Prerequisite: None

SOM Anesthesiology	ANES	5011	Ans 4 Wk Clrkshp	Student will be introduced to the basic principles and practice of anesthesiology and perioperative medicine. Prerequisites: Senior Students Only	10	10	6	1
SOM Anesthesiology	ANES	5014	Respiratory Care	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. (Ms. Pam Rosema, M.H.S.A., R.R.T.) Prerequisite: None	3	3	16	
SOM Anesthesiology	ANES	5015	Critical Care Anesthesia	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	10	10	3	40

ICU environment; Activities: 1. Daily clinical rounds to evaluate clinical conditions, laboratory and radiologic information and psychosocial needs. 2. Education presentations. 3. Participation in procedural interventions; Assessment: 1. Periodic evaluations of clinical proficiency technical skills and professional behavior. 2. Comprehensive written examinations. Prerequisite: Core Curriculum

SOM Anesthesiology	ANES	5085	Introduction to Anesthesia	Students will learn about the complex field of Anesthesiology which encompasses fields of medicine and surgery using applied physiology, pharmacology, anatomy and patho physiology.	1	1		12
SOM Anesthesiology	RANE	5000	Anesthesiology		27	27	4	50
SOM Anesthesiology	RANE	5001	Anesthesiology Pain Mgmt		27	27	4	50
SOM Biochemistry Molecular Bio	BIOL	3000	Biological Chemistry	This is an introductory biochemistry course with emphasis on molecular biology, proteins, and intermediary metabolism. The focus of the course will be medical biochemistry with the inclusion of both normal and disease processes.	4	4	12	
SOM Biotechnology Genomic Med	GNMD	8050	Compu Methods in Geno and Gene	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	4	4	3	1

available for basic analyses. A large component of the course will be to provide students with hands-on experience with analysis of datasets.

SOM Biotechnology Med	Genomic	GNMD	8051	Translational Genom/ Proteomic	Focusing on how to use the modern high throughput technologies to answer biological questions. Prerequisites: Admission into the Graduate Program in Genomic Medicine.	3	3	3
SOM Biotechnology Med	Genomic	GNMD	8052	Func Geno & Prote Using Anml M	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.	3	3	3
SOM Biotechnology Med	Genomic	GNMD	8060	Genomic Medicine Seminar	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.	1	1	1
SOM Biotechnology Med	Genomic	GNMD	9210	Inves of a Prob Genomic Med	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 in introduction to the scientific method.	1	1	1

SOM Biotechnology Genomic Med	GNMD	9300	Research in Genomic Medicine	The student works closely with his/her faculty dissertation mentor on an in depth study of a resarch question of interest to both student and mentor. This course culminates in the preparation of a Ph.D. dissertation.	1	1		1	
SOM Cellular Biology & Anatomy	ANAT	6510	Systemic Anatomy	Study of the Anatomy of the Human Body as applicable to Clinical Practice. Lectures, Laboratory and demonstration materials are directed studies. Prerequisite: Admission to PA Program	5	5	4	6	
SOM Cellular Biology & Anatomy	ANAT	7010	Human Gross Anatomy	Study of the Anatomy of the Human Body as applicable to Clinical Practice. Lectures, laboratory and demonstration materials are directed studies.	7	7	4	6	
SOM Cellular Biology & Anatomy	ANAT	7030	Neuroanatomy		3	3	3	1	
SOM Cellular Biology & Anatomy	ANAT	8050	Cell Biology and Development	The microscopic anatomy and development of all human organ systems as well s 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. Prerequisite: Cell Biology, Biochemistry and/or Gross Anatomy, or permission of the course director.	7	7	3	3	
SOM Cellular Biology & Anatomy	ANAT	9010	Seminar in Cell Bio-Anm	Forum for MCG faculty, visiting faculty, and graduate students to present their research.	1	1	1		
SOM Cellular Biology & Anatomy	ANAT	9020	Seminar in Cell Bio/Anatomy		1	1	1		
SOM Cellular Biology & Anatomy	ANAT	9210	Investigation of a Problem	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. Prerequisite: Admission in a	1	1	0	0	0



in action. Prerequisite: Admission in a graduate program.

SOM Cellular Biology & Anatomy	ANAT	9300	Research	The student works closely with his 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. Prerequisite: Permanent assignment to a specific lab with a faculty advisor and a defined research project.	1	1	0	17
SOM Cellular Biology & Anatomy	ANAT	5002	RSCH Elective in Anatomy	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.	7	7		
SOM Cellular Biology & Anatomy	ANAT	5004	Teaching Skills Elective	To provide an anatomy teaching opportunity for senior medical students who are interested in anatomy, anatomically intensive fields of medicine, and/or academic medicine.	7	7	2	16
SOM Cellular Biology & Anatomy	ANAT	5085	Essentials of Education	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.	1	1	1	1
SOM Cellular Biology & Anatomy	ANAT	6500	Musculoskeletal		4	4	3	9

Anatomy			Anatomy						
SOM Cellular Biology & Anatomy	ANAT	7040	Graduate Neuroanatomy	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.	4	4	6	6	
SOM Cellular Biology & Anatomy	ANAT	8010	Special Topics in Anatomy	Discussion and analysis of current research areas.	1	1	0	0	
SOM Cellular Biology & Anatomy	ANAT	8020	Intro to Research	Discussion and analysis of current research areas.	2	2	2	0	0
SOM Dermatology	DERM	5001	Dermatology	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 housestaff. Prerequisite: None	7	7	10		40
SOM Dermatology	DERM	5002	Off Campus Dermatology	Off campus electives may be arranged, with prior approval of the faculty. Prerequisite: MED 5001	7	7			40
SOM Dermatology	DERM	5003	Advanced Dermatology	This elective is for students who plan to enter into dermatology residency training.	7	7	10		40

Prerequisites: MED 5001								
SOM Dermatology	DERM	5004	Derm Sur-Cutaneous Oncol	<p>A one month clerkship experience in dermatologic surgery clinics (including Mohs Micrographis Surgery and Laser Surgery). A set of required reading in cutaneous oncology will be provided. Students will participate in all dermatology teaching conferences. The student will gain histologic experience in cutaneous tumors through participating in the Mohs surgery clinics. Supervision will be provided by our Director of Dermatologic Surgery, Dr. Christopher Peterson.</p> <p>Prerequisites: MED 5001</p>	7	7		
SOM Emergency Medicine	EMED	5001	Emergency Medicine Clkship	<p>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. Sites are subject to change. Students will be assigned to the sites on a "first come" basis. Housing is provided at very remote sites. More information can be obtained by contacting Melissa Powell in the Department of Emergency Medicine, MCG Ext. 4412. Prerequisite: Core Curriculum</p>	10	10		40

SOM Emergency Medicine	EMED	5003	Ped ER at MCG	This elective will expose the student to the wide variety of pediatric illnesses and injuries, which present to the Emergency Department. The student will assume progressive responsibility in the management of trauma, major and minor medical illnesses, and minor surgical procedures. Students will work directly with the Pediatric Emergency Medicine Attending or the Emergency Medicine Attending. There is an open book exam and small project due at the end of each rotation. Prerequisite: Core Curriculum	7	7	2	40
SOM Emergency Medicine	EMED	5004	Resch in Emer Medicine	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. Prerequisite: Approval by faculty member with whom research will be done	7	7		
SOM Emergency Medicine	EMED	5005	Emergency Medicine Clkshp	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.	7	7		40

Prerequisite: EMED 5001 or EMED 5002

SOM Emergency Medicine	EMED	5007	International & Travel Med	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. Prerequisite: Successful completion of third year of medical school	7	7	2	2
SOM Emergency Medicine	EMED	5008	Emergency Ultrasound	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; Prerequisite:s EMED 5001	7	7	11	28
SOM Emergency Medicine	EMED	5012	Emergency Medicine Clkshp	Student will attain an overview of the specialty of Emergency Medicine and gain insight into the assessment and management of emergent patients. Prerequisites: Core Curriculum	10	10		40
SOM Emergency Medicine	EMED	5085	Freshman Emergency Medicine	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. Prerequisite: None	1	1		10
SOM Emergency Medicine	EMED	5086	Intro to Wilderness Med	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 arouop interest and	1	1	1	

covered can be tailored to group interest and experience. Prerequisite: None

SOM Emergency Medicine	EMED	5087	Basic Emergency Response	Course description: Students will develop knowledge and skills required for emergency response in pre-clinical settings. Upon completion students will understand their role in basic emergency response, be able to assess emergency situations and victims, and perform basic skills to help stabilize a trauma or medical patient in the field. Prerequisites: None	1	1	2		
SOM Emergency Medicine	FMPC	5006	Geriat Ptnt-Nsg Home	To expose the student to the wide variety of medical, social, psychiatric and institutionally related problems in the geriatric patient confined to a nursing facility commonly encountered by the primary care physician. Prerequisites: FMP 5000 or MED 5000	4	4			40
SOM Family Medicine	FMPC	5000	Basic Clkshp Family Med	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 the following Georgia Family Medicine Residency Programs: Medical College of Georgia and TriCounty Satellite Clinics Prerequisite: Successful completion of Phase I and Phase II	15	15	3		
SOM Family Medicine	FMPC	5001	FMP Residency Externship	To help the student develop the skills necessary to function as a successful extern in the inpatient and ambulatory setting of family medicine. Prerequisite: Completion of Core Curriculum	10	10	7	11	50

Core Curriculum

SOM Family Medicine	FMPC	5003	Preceptorship- Family Prac	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.) Prerequisite: FMP5000 or MED5000	10	10	5	50
SOM Family Medicine	FMPC	5004	Clin-Research Elect FMP	Students wanting to pursue special educational electives with Family Medicine Preceptors, Residencies or Faculty can make arrangements for this unique experience through the department of Family Medicine. These experiences could include: patient care, research, special projects involving Psychosocial aspects of Medicine, drug dependency, family therapy, and other issues related to the provisions of health care to entire families. (Participation in this elective must be arranged through and approved by the Department of Family Medicine, Medical College of Georgia; contact Medical Student Curriculum Coordinator, ext. 4075.) Prerequisite: None	7	7	1	50

SOM Family Medicine	FMPC	5007	FMP Resid Extern-FMC Rome	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 health care will be emphasized. In addition to the clinical exposure, the student will also participate in daily group and individual teaching sessions. Prerequisite: Completion of Core Curriculum	10	10	5	50
SOM Family Medicine	FMPC	5008	FMP Med Cen Columbus	The student will develop the skills necessary to function as a successful extern in the inpatient and ambulatory setting of family medicine. Prerequisite:Core Curriculum	10	10	5	50
SOM Family Medicine	FMPC	5009	FMP Resid Extern Sav Ga	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 health care. Prerequisite: Core Curriculum	10	10	5	50
SOM Family Medicine	FMPC	5010	FMP Rural Med - Warrenton	This elective is rural Family Medicine and is provided through the TriCounty Health System, Inc. in Warrenton, Crawfordville and Gibson, Georgia, which serves as a rural teaching site for the Family Practice Residency Program at the Medical College of Georgia. The student has supervised expoosure to a population of patients with	10	10	5	50



exposure to a population of patients with undifferentiated health problems and actively participates in the evaluation and management of these problems. The student becomes familiar with the uniqueness of rural health care practice and establishes an appreciation for frequently encountered problems both acute and chronic. The student also has daily group and individual teaching sessions. (Participation in this elective must be arranged through and approved by the Department of Family Medicine, Medical College of Georgia; contact Medical Student Curriculum Coordinator, ext. 4075.)  
Prerequisite: Core Curriculum

SOM Family Medicine	FMPC	5011	Subinternshp- Inpatient Fm	This elective is provided through the Family Medicine Inpatient Service of the Department of Family Medicine, Medical College of Georgia. This service provides the student with an in-depth exposure to the broad range of medical problems confronting the Family Physician in a hospital environment. The student assumes the primary medical care responsibilities for patients on the service and is supervised by Family Medicine Faculty and Senior Family Medicine residents. The student participates in all phases of patient evaluation from admission to discharge planning. Further information regarding this elective may be obtained from Julie Hendrich, M.D., Department of Family Medicine, 721-4674. (Participation in this elective must be arranged and approved by the Department of Family Medicine, Medical College of Georgia; contact Student Curriculum Coordinator, ext. 4075). Prerequisite: FMP 5000	10	10	7	50
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SOM Family Medicine	FMPC	5012	FMP and Fam Ther Columbus	To help the student increase their knowledge of family systems theory and to gain skill in its application in the practice of Family Medicine. Prerequisites: Completion of Core Rotations	7	7		
SOM Family Medicine	FMPC	5013	FMP Residency Externship	The elective at the Southwest Georgia Family Practice Program at Phoebe Putney Memorial Hospital in Albany, 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 health care. Prerequisite: FMP 5000, MED 5000, PSY 5000, OBG 5000, PED 5000	10	10	5	50
SOM Family Medicine	FMPC	5014	FMP Residency Externship	This elective with the Family Practice Residency Program of Georgia Baptist Medical Center is located in Morrow, Georgia (17 miles south of the hospital). It provides the student with clinical experience in both ambulatory and inpatient settings of Family Practice. A special emphasis of our rotation is the incorporation of the principles of Community Oriented Primary Care in the curriculum. Longitudinal ambulatory care is stressed during the rotation. The student will also participate in all lectures and in individual teaching sessions. Prerequisite: FMP 5000, MED 5000, PSY 5000, OBG 5000, PED 5000	10	10	5	50
SOM Family Medicine	FMPC	5015	Private Care Sports Medicine	The primary care sport medicine elective is a clinical rotation for students interested in sports medicine. Through this rotation the	7	7	5	50

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.) Prerequisite: None

SOM Family Medicine	FMPC	5016	FMP Res Exter Waycross GA	This elective with the residency program of the 7 Satilla Regional Medical Center is located in Waycross and Blackshear, Georgia. It provides the student with clinical experience in both ambulatory and inpatient settings of Family Practice and will emphasize continuity of care. Community involvement will also be stressed. The student will participate in daily group and individual teaching sessions Prerequisite: FMP 5000, MED 5000, PSY 5000, OBG 5000, PED 5000	7	7	1	50
SOM Family Medicine	FMPC	5018	Sal Army Homeless Clin	To provide the student with an understanding of the problems facing the homeless population and their health care. Prerequisites: None	7	7	1	30
SOM Family Medicine	FMPC	5019	Procedures in	This is a clinical elective offered in the	7	7	10	30

Family Med

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. Contact the Medical Student Coordinator, ext 1-407 Prerequisite: Successful completion of Core Rotations

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SOM Family Medicine	FMPC	5020	SW Georgia Sports Med	This rotation is designed to provide the student with an introduction to the field of primary care sports medicine. Activities will 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 will be opportunities for the student to participate in local high school and college event coverage. The student will 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. Objective of the course: 1. To introduce the student to the field of primary sports medicine. 2. To provide the student a	7	7	4	40
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clinical experience in Sports Medicine. 3. To provide the student with an appreciation of the broad scope of problems commonly managed I

SOM Family Medicine	FMPC	5021	Health Disp in Fam Med	To increase student comprehension of health disparities and to improve their skills in reduction of health disparities. At the end of this elective, students will be able to address patient/physician/system roles in development of disparities; be proficient in two behavioral health interventions and have working knowledge of several patient coping strategies; have an increased understanding of health disparities, their causes, and how a variety of factors influence the health of the underserved and minority populations. Students will attend lecture/seminar sessions; provide services in underserved communities; complete an educational portfolio; develop and deliver patient education modules; co-facilitate communication labs and complete an independent study project on a challenging communication issue; and become proficient in two behavioral health interventions. Faculty evaluation of student's performance on educational modules, professionalism, quality of independent study project, proficiency in behavioral health interventions, interpersonal and communication skills, quality of educationa	7	7	2	20
SOM Family Medicine	FMPC	5085	Salvation Army Hom Clinic	The students will gain experience in taking vital signs and gathering subjective information from patients. Guided by junior and senior and attending and resident physicians, the students will also gain	1	1		

physicians, the students will also gain experience in the area of physical examination of patients, formulation of a diagnosis and in planning a course of action for the patients. Students will also gain experience in coordinating the clinic which would include preparing charts, controlling patient flow as well as running the pharmacy aspect of the clinic by filling prescriptions and recording information about types and amounts of the pharmaceuticals that are used. Students will also be responsible for compiling monthly reports concerning the numbers of patients seen and volunteers participating in clinic. Prerequisites: none

SOM Family Medicine	FMPC	5098	FMP Preceptorship	This elective is offered to freshman students who are in their second semester of medical school as an opportunity to shadow a family physician in the day-to-day activities of a private practice of family medicine. The student may choose from a large list of community preceptors located in various sites across the State of Georgia who have agreed to assist in medical student education. This elective provides the student with a supervised teaching 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. Students enrolled in the preceptorship program must maintain a log of all patient care activities that they experience; including all procedures and major diagnosis. Students will be given the opportunity to expand their skills in doctor-patient communication and physical diagnosis in this clinical setting with direct	1	1	4	40
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supervision from their preceptors. Prerequisite:

SOM Family Medicine	FMPC	5999	Basic Clerk Remediation in FMP	Remediation of the Basic Core Clerkship in Family Medicine	1	1		
SOM Family Medicine	RFAP	5000	Family Practice		27	27	10	20
SOM Interdisciplinary	MEDI	5002	Clinical Off-Campus Rotation	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.	1	1		
SOM Interdisciplinary	MEDI	5004	Independent Study	Independent Study with approval of the SOM Curriculum Office	1	1		
SOM Interdisciplinary	MEDI	5006	Independent Study	Independent Study with approval of the SOM Curriculum Office	1	1		
SOM Interdisciplinary	MEDI	5010	USMLE Prep Elective	To help students develop the necessary fund of knowledge of the basic sciences to be successful on USMLE Step 1 Prerequisite: None	1	1		
SOM Interdisciplinary	MEDI	5085	Global Health Awareness	This course aims to emphasize the importance of global health awareness, promoting understanding health care and the influence of social, political and economic factors. The course will demonstrate why and how the study of international health and experiences abroad are important to health care in the US. Emphasis will be placed on the importance of the ability to work in a cross-cultural setting both internationally and domestically.	1	1	2	
SOM Interdisciplinary	MEDI	5098	Med Off-Campus Preceptor	This elective is offered to provide the student with experience in an off-campus setting. The student will make arrangements to accompany a mentor or preceptor in his/her office and/or hospital functions during the period of the elective. Prerequisite: None	1	1		

elective. Prerequisite: None

SOM Interdisciplinary	MEDI	5099	Off-Campus Research Elect	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. Prerequisite: None	7	7			
SOM Interdisciplinary	MEDI	5100	Essen of Clinical Med 1 P1	The Essentials of Clinical Medicine is a four-semester program designed to equip students with the skills necessary to perform successfully in the Phase III clerkships. The course 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.	10	10	2	2	3
SOM Interdisciplinary	MEDI	5101	Essen of Clinical Med 1 P2	The Essentials of Clinical Medicine is a four-semester program designed to equip students with the skills necessary to perform successfully in the Phase III clerkships. The course 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	13	13	2	2	5



evaluation of student performance.

SOM Interdisciplinary	MEDI	5125	Cellular & Systems Struct	The Cellular and Systems Structures Module has been designed to integrate the basic discipline of Development, Gross Anatomy and Histology. This body of knowledge will emphasize the structure-function relationships at the tissue, organ, and systemic levels of the human body. As such, the Module provides a foundation for understanding normal Physiology and Pathology (MEDI 5215-5255), where altered structure and function of diseased cells, tissues and organs are studied.	24	24	9	7
SOM Interdisciplinary	MEDI	5135	Cell & System Processes	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. Prerequisite: None	0	0	15	1
SOM Interdisciplinary	MEDI	5145	Brain & Behavior	The Brain and Behavior Module will provide students with a comprehensive survey of the structure and function of the nervous system and extend the studies begun in the Cellular and Systems Structures Module. The module will also introduce students to clinical neuroscience by demonstrating the link between disease process and altered human behavior. Finally, students will become familiar with treatment options for mental	8	8	14	2

health disorders at the pharmacological and behavioral intervention levels. Prerequisites: None

SOM Interdisciplinary	MEDI	5200	Essen of Clinical Med 2 Part 1	Course description: 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.	10	10	5	2
SOM Interdisciplinary	MEDI	5201	Essen of Clinical Med 2 Part 2	Course description: 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.	13	13	5	4
SOM Interdisciplinary	MEDI	5210	Cell & Sys Dis State-Mod 1	Course description: The Cellular and Systems Disease States Module is a year long series of systems-based modules that is a microcosm	10	10	20	2

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.

SOM Interdisciplinary	MEDI	5220	Cell & Sys Dis State- Mod 2	Course description: 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.	7	7	20	3
SOM Interdisciplinary	MEDI	5230	Cell & Sys Dis State- Mod 3	The Cellular and Systems Disease States Module is a year long series of systems-based	6	6	20	2

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.

SOM Interdisciplinary	MEDI	5235	Cell & Sys Dis State- Mod3	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.	7	7	12	1
SOM Interdisciplinary	MEDI	5240	Cell & Sys Dis State-	The Cellular and Systems Disease States	8	8	20	2

Mod 4

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.

SOM Interdisciplinary	MEDI	5245	Cell & Sys Dis State- Mod 4	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. Prerequisites: Phase I	5	5	12	1
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SOM Interdisciplinary	MEDI	5250	Cell & Sys Dis State- Mod 5	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.	8	8	1	
SOM Interdisciplinary	MEDI	5255	Cell & Sys Dis State- Mod5	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. Prerequisites: Phase I	4	4	1	1

SOM Interdisciplinary	MEDI	5296	National Board Review Part 1	A systematic review for the USMLE Step I examination	0	0
SOM Interdisciplinary	MEDI	5297	National Board Review Part 2	A systematic review for the USMLE Step I examination	0	0
SOM Interdisciplinary	MEDR	5100	Essen of Clini Med 1 Prt 1 Rem	This is the remediation fo Essentials of Clinical Medicine 1 (Part 1)	1	1
SOM Interdisciplinary	MEDR	5101	Essen of Clini Med 1 Prt 2 Rem	This is the remediation fo Essentials of Clinical Medicine 1 (Part 2)	1	1
SOM Interdisciplinary	MEDR	5125	Cell and System Struct Remedia	This is the remediation of Cell and Systems Structures.	1	1
SOM Interdisciplinary	MEDR	5126	Cell and Syst Stru Rem of Anat	This is the remediation of Cell and Systems Structures Component in Anatomy	1	1
SOM Interdisciplinary	MEDR	5127	Cell and Syst Stru Rem of Dev	This is the remediation of Cell and Systems Structures Component in Development	1	1
SOM Interdisciplinary	MEDR	5128	Cell and Syst Stru Rem of Hist	This is the remediation of Cell and Systems Structures Component in Histology	1	1
SOM Interdisciplinary	MEDR	5135	Cell and Systems Structur Reme	This is the remediation of Cell and System Processes	1	1
SOM Interdisciplinary	MEDR	5136	Cell and Syst Proc Reme of Bio	This is the remediation of Cell and System Processes component in Biochemistry	1	1
SOM Interdisciplinary	MEDR	5137	Cell and Syst Proc Reme of Phy	This is the remediation of Cell and System Processes component in Physiology.	1	1
SOM Interdisciplinary	MEDR	5145	Brain and Behavior Remediation	This is the remediation of Brain and Behavior	1	1
SOM Interdisciplinary	MEDR	5146	Brain and Behav Remedia of Psy	This is the remediation of the Brain and Behavior component in Psychiatry.	1	1
SOM Interdisciplinary	MEDR	5147	Brain and Behavior Remedia Neuro	This is the remediation of the Brain and Behavior component in Neuroscience.	1	1
SOM Interdisciplinary	MEDR	5200	Essentials of CM 2 (Part1) Rem	This is the remediation of the Essentials of Clinical Medicine 2 (Part 1)	1	1

SOM Interdisciplinary	MEDR	5201	Essentials of CM 2 (Part2) Rem	This is the remediation of the Essentials of Clinical Medicine 2 (Part 2)	1	1		
SOM Interdisciplinary	MEDR	5210	Cell and Sys Dis St: Mod 1 Rem	This is the remediation of Cellular and Systems Disease States Module 1 of Fundamentals	1	1		
SOM Interdisciplinary	MEDR	5220	Cell and Sys Dis St: Mod 2 Rem	This is the remediation of Cellular and Systems Disease States Module 2 of Hematology/GI	1	1		
SOM Interdisciplinary	MEDR	5230	Cell and Sys Dis St: Mod 3 Rem	This is the remediation Cellular and Systems Disease States Module 3 of Musculoskeletal and Central Nervous Systems	1	1		
SOM Interdisciplinary	MEDR	5240	Cell and Sys Dis St: Mod 4 Rem	This is the remediation Cellular and Systems Disease States Module 4 of the Cardiopulmonary System	1	1		
SOM Interdisciplinary	MEDR	5250	Cell and Sys Dis St: Mod 5 Rem	This is the remediation Cellular and Systems Disease States Module 5 of Renal/GU/Endocrine Systems	1	1		
SOM Interdisciplinary	MEDR	5251	Cell and Syst Dis St Reme CM	This is the remediation of the Cellular and Systems Disease States component in Clinical Medicine	1	1		
SOM Interdisciplinary	MEDR	5252	Cell and Syst Dis St Reme Micro	Cellular and Systems Disease States Remediation in Microbiology	1	1		
SOM Interdisciplinary	MEDR	5253	Cell and Syst Dis St Reme Pharm	This is the remediation of the Cellular and Systems Disease States component in Pharmacology	1	1		
SOM Interdisciplinary	MEDR	5254	Cell and Syst Dis St Reme Path	This is the remediation of the Cellular and Systems Disease States component in Pathology	1	1		
SOM Medicine - General	GMED	5000	Basic Clkshp Med Pt 1	This 4 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 health care team. Bedside clinical skills, patient presentations, write-ups, logical approach to diagnostic decision making, as well as accumulation and synthesis of medical knowledge are	10	10	3	8



emphasized. Every effort is made for all students to spend 8 weeks on inpatient services (at least one month on a general medicine service) and one month (if possible) in the ambulatory setting. Prerequisite: Phase 1 and Phase 2

SOM Medicine - General	GMED	5008	Subs Intern VA Hosp	Students in this elective function as acting interns on the general medicine services at the Veterans Administration Hospital. The student will alternate patients with the intern in the initial workup treatment and care of these patients. The student will be closely supervised by the resident and faculty physician attending on the service. The acting intern will be responsible for planning and instituting the diagnostic workup and therapeutic program for his patients. In addition, he/she will assist in the teaching of junior medical students assigned to his service. The acting intern's on call schedule will be identical to that of the ward team. Prerequisite: GMED 5000 and GMED 5100	10	10	10	40
SOM Medicine - General	GMED	5009	Subs Intern Eisen	Identifying sick versus well patients. Developing patient interviewing and factfinding skills. Learning the pathophysiology of multiorgan diseases. Treating and managing internal medicine patients. Prerequisites: MED 5000	10	10	10	40
SOM Medicine - General	GMED	5010	Rheumatology	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. Prerequisite: None	7	10		40
SOM Medicine - General	GMED	5011	Acting Internship-	Students taking the acting internship at MCG	10	10	10	

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 will be expected to attend all conferences the interns attend. The acting intern will complete the initial work up and determine the treatment plan in conjunction with the resident. The acting intern will function as the primary care physician for his/her patients but will be closely supervised in all activities by the resident and attending faculty physician. The acting interns on call schedule will be identical to that of the ward team. Prerequisite: MED 5000

SOM Medicine - General	GMED	5012	Hematology	Objective: This elective is designed to provide 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) will be emphasized. Two half-day clinics each week are arranged to emphasize the diagnosis and therapy of common hematologic and oncologic disorders. Prerequisite: MED 5000	7	7	5	30
SOM Medicine - General	GMED	5013	Renal Transplant	Offer overview of inpatient and outpatient physical medicine and rehabilitation. Prerequisites: MED 5000, SUR 5000	7	7		
SOM Medicine - General	GMED	5014	Rehab Med-Waltn Rehab Hos	Objectives of the elective will be to learn general principles of rehabilitation medicine in the hospital setting, in addition to participation in a multidisciplinary approach to treatment of patients undergoing rehabilitation. The student will have some clinical responsibility for	7	7	10	30

will 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.  
Prerequisite: MED 5000

SOM Medicine - General	GMED	5015	Clin Cardiology-Sav	Students will participate in daily ECG instruction as well as cardiovascular evaluation of all service consultations and daily rounds, including rounds on private patients when appropriate. Prerequisites: MED 5000	7	7	10	30
SOM Medicine - General	GMED	5016	Nephrology	Experience in clinical nephrology through participation in inpatient consultations, teaching conferences, and once weekly general nephrology outpatient clinic. Prerequisite: MED 5000	7	7	10	
SOM Medicine - General	GMED	5017	Cardiology Consult at MCG	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 in-patients. 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	7	7	10	30

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

SOM Medicine - General	GMED	5018	Cardiology Consult Serv	The emphasis of this rotation is on consultative cardiology and electrocardiographic interpretation. The student will work closely with the cardiology attending and the cardiology fellow. The major clinical emphasis is on physical diagnosis and differential diagnosis of various cardiovascular diseases. The student will read a considerable number of electrocardiograms. Students will be familiarized with the indications, usefulness and limitations of special procedures such as echocardiography, stress testing, nuclear cardiology and cardiac catheterization. The student will attend all weekly conferences of the Department of Critical Care. Prerequisite: MED 5000	7	7	2	
SOM Medicine - General	GMED	5019	Cardiology Eisen	This course is designed to provide basic knowledge in the problems of heart disease and its complications. Students will participate in the care of patients in the Intensive Care Unit as well as on medical wards and outpatient service. They will also spend time understanding and reading electrocardiograms, phonocardiograms, echocardiograms (M mode and 2D), and Graded exercise tests (GXT). Prerequisite: MED 5000	7	7	15	25

SOM Medicine - General	GMED	5020	Cardiology-Va Act Intrnsh	To learn the management principals of a patient admitted with CardioVascular disease. Prerequisites: MED 5000	7	7	10	40
SOM Medicine - General	GMED	5021	Gastroenterology	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. Prerequisite: MED 5000	7	7	10	30
SOM Medicine - General	GMED	5023	Pulmonary Diseases- MCG	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. Prerequisite: MED 5000	7	7	10	30
SOM Medicine - General	GMED	5024	Infectious Disease- Ft	Provide senior medical students with a patient-based, problem-oriented exposure to general infectious diseases and HIV. The DDEAMC outpatient ID clinic has a robust HIV population with varying stages of disease. The inpatient service receives referral patients from the entire Southeast region. Prerequisites: MED 5000	7	7	10	30
SOM Medicine - General	GMED	5025	Infectious Disease- MCG	This clinical consultation service provides experience in the diagnosis and management of patients with infections, interpretation of	7	7	10	20

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. Prerequisite: MED 5000

SOM Medicine - General	GMED	5026	Clin Care Med (VA ICU)	A primary care elective where the student can expect patient care teaching in all aspects of Critical Care. Especially valuable to those interested in Surgery, Anesthesia or Medicine. Work with a critical Care Team: Intern, Resident, Fellow, Staff Prerequisite: MED 5000	7	7	20
SOM Medicine - General	GMED	5027	Off-Campus Elect	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. Prerequisite: MED 5000	7	7	
SOM Medicine - General	GMED	5028	Resch Elect Med	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. Prerequisite: Approval by Faculty Member with whom	7	7	5

research will be done

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SOM Medicine - General	GMED	5029	Acting Internship- MMC-Sav	Students will essentially function at a ?subintern? level. He/she will be responsible for case presentations attendings, workup and care of patients while under the supervision of an upper level resident. This will give students the opportunity to become intimately involved in the decision process and care of his/her patients. Call will be taken with the assigned team, which is every fourth day. Didactic teaching and rounds will be conducted by fulltime faculty and practicing physicians. Prerequisites: MED 5000	10	10	5
SOM Medicine - General	GMED	5030	Adv Internship- Atlanta Med Ctr	Students will essentially function at a ?subintern? level. He/she will be responsible for case presentations attendings, workup and care of patients while under the supervision of an upper level resident. This will give students the opportunity to become intimately involved in the decision process and care of his/her patients. Call will be taken with the assigned team, which is every fourth day. Didactic teaching and rounds will be conducted by fulltime faculty and practicing physicians. Prerequisite: MED 5000	10	10	10
SOM Medicine - General	GMED	5031	Infectious Disease- UH	The student(s) will spend four weeks working one on one with a Clinical Infectious Disease attending at the University Hospital. Duties include in-house consults as well as participating in the care of office patients. Additionally, the student attends the Wednesday University ID clinic and sees consults for the staff service. Didactic instruction is provided daily. The student	7	7	30

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attends the Friday ID conference and other conferences as appropriate. Prerequisites: MED 5000C

SOM Medicine - General	GMED	5032	Infectious Disease-VA	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. Prerequisites: MED 5000C	7	7		
SOM Medicine - General	GMED	5033	Pulmonary Medicine	Consult service elective featuring the availability of the full gamut of pulmonary diagnostic techniques; emphasis on pathophysiology and its application to patient care. Prerequisite: Pulmonary Medicine Consult at VAMC	7	7	1	27
SOM Medicine - General	GMED	5034	Pulm-Med Critical Care	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. Prerequisite: MED 5000	10	10	10	40
SOM Medicine - General	GMED	5035	Clin Endocrinology (Med)	This elective is by arrangement only with the Medical Student Coordinator by calling Kim Hahn at 912/350-8076. After signing up for this elective, drops must be cleared by the Medical Student Coordinator in Savannah. Students will have exposure to Clinical Endocrinology and Diabetes Mellitus both in a hospital setting as well as private practice.	7	7		



hospital setting as well as private practice. Inpatient consultations and ambulatory clinics at Memorial Medical Center are the primary activities of the elective. In addition, students will also be involved in the evaluation and follow-up of patients in the private office setting. Prerequisites: MED 5000

SOM Medicine - General	GMED	5037	Gastroenterology-EAMC	The student is expected to participate in all aspects of the Gastroenterology service, including inpatient and outpatient consultations, and to observe GI procedures (such as gastroscopy, colonoscopy, laparoscopy). The student will be taught proctoscopy in the weekly proctoscopy clinic. Basic GI physiology and pathophysiology will be stressed. The number of patients seen will be limited and the student will be expected to provide references appropriate for each case he/she evaluates. A reading syllabus covering basic GI physiology and disease will be provided. The student will be expected to give a 15 minute seminar once a week on the topic of his/her choice (covering an area of basic GI physiology). The student is expected to attend GI Journal Club and GI Pathology conferences Thursday afternoon at the Medical College of Georgia. Prerequisite: MED 5000	7	7	10
SOM Medicine - General	GMED	5039	Clinical Endocrinology	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	7	7	

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. Prerequisite: GMED 5000

SOM Medicine - General	GMED	5040	Cardiology	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 Prerequisites: MED 5000	7	7	5	40
SOM Medicine - General	GMED	5042	Nephrology Service-EAMCS	The student will participate in rounds, conferences, clinics and ward work. The staff of the Nephrology Clinic will serve as faculty for this course. Inpatient and outpatient consultations will be performed. (Dr. Maxwell Williams) Prerequisite: MED 5000	7	7	10	40
SOM Medicine - General	GMED	5045	Ambul-Consult Intern Med	The student will participate in all aspects of General Internal Medicine to include outpatient consultations and procedures. The number of patients will be limited and the student will be expected to provide references	7	7		

student will be expected to provide references appropriate for each case he/she evaluates. The student will be expected to attend all internal medicine conferences.

SOM Medicine - General	GMED	5046	Endocrinology Service-E	The student will participate in rounds, conferences,clinics and ward work. The staff of the Endocrinology Clinic will serve as faculty for this course. Inpatient and outpatient consultations will be performed.	7	7	10	
SOM Medicine - General	GMED	5049	Med Intensive Care EAMC	To develop familiarity with the care of critically ill medical patients in a multi-disciplinary environment using a comprehensive systems-based approach. Prerequisites: MED 5000	10	10	5	40
SOM Medicine - General	GMED	5050	Inpatient Cardiology-Ga	This rotation is an acting internship and will concentrate on the inpatient rotation with the initial workup and management of cardiology patients from the emergency room as well as through consultation. The student will follow the patient through any inpatient testing including exercise stress testing, echocardiogram or cardiac catheterization. the rotation will include both intensive care as well as telemetry and ward patients. This rotation will require weekend rounding and every fourth night on-call responsibilities in conjunction with the rounding team. participation in the Morning Report and medicine conferences throughout the week will be required. Prerequisite: MED 5000	7	7	15	40
SOM Medicine - General	GMED	5053	Gastroenterology-MMC Sav	Students rotating through this elective will actively participate in both in-office and in-hospital consultation, and will be encouraged to observe gastrointestinal endoscopic procedures (upper GI endoscopy, flexible	7	7		

procedure (upper GI endoscopy, flexible sigmoidoscopy, colonoscopy and ERCP)  
Prerequisite: MED 5000

SOM Medicine - General	GMED	5056	Epidemiology-Atlanta	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. Prerequisite: MED 5000	7	7	10	40
SOM Medicine - General	GMED	5057	Geriatric Medicine-Sav	Students will participate in daily discussion of all geriatric admissions and work rounds. The students will also participate in geriatric clinics to work up a variety of geriatric syndromes including falls, incontinence, dementia, syncope, failure to thrive, sensory impairment, and cardiovascular disease in the elderly. Prerequisite: MED 5000	7	7		
SOM Medicine - General	GMED	5060	Telemedicine	Students shall gain a basic understanding of	7	7		40

			Technology	the value of medical informatics and telehealth technologies in the current practice of medicine and the potential for improving health care practice and efficiency as well as reducing medical errors. Prerequisites: MED 5000			
SOM Medicine - General	GMED	5062	LSU Ambulatory	Gain knowledge and experience in Emergency Care and demonstrate understanding, pathophysiology and treatment of common medical emergencies such as Myocardial infarction, CVA, and DKA.	7	7	
SOM Medicine - General	GMED	5063	Outpatient Card-Atlanta	This elective will allow the senior student to participate in a busy cardiology practice in the outpatient setting. The student will be involved in the evaluation of new patients and consultations, in terms of physical examinations and discussion of acceptable methods of diagnosis and treatment. Cardiovascular risk assessment, diagnosis and treatment are emphasized. Hyperlipidemia management and women and heart disease are also a special focus. The student will be involved daily with treadmill exercise testing including nuclear stress testing and stress echocardiography. Echocardiograms, EKGs, Holter monitoring, and Event recordings are reviewed daily. The student will have exposure to Electron Beam CT for the diagnosis of CAD. Prerequisite: None	7	7	40
SOM Medicine - General	GMED	5069	Pulm-Med CC Selec Atl Med	This elective provides an intensive experience in critical care medicine. Under the supervision of the critical care attending physician, students will evaluate and manage critically ill patients. Students will have the opportunity to gain experience with mechanical ventilator management	10	10	40

mechanical ventilator management, hemodynamic monitoring, and other critical care interventions. Prerequisite: MED5000

SOM Medicine - General	GMED	5070	Pul-CC ini S Ga	Under the direction of a pulmonologist Dr. Fred Rosenblum, this elective will allow exposure to inpatient critical care and pulmonary medicine as well as outpatient pulmonary management. Dr. Raul Santos, a nephrologist, and Dr. Craig Wolff, a pulmonologist, will also participate. All three have their critical care certification and practice at Archbold Medical Center in Thomasville, Georgia. The elective will offer a broad opportunity to participate directly in patient care, procedures, and didactic sessions with active clinicians. Prerequisite: MED 5000	7	7		40
SOM Medicine - General	GMED	5072	Clinical Skills Elective	To help students develop the skills necessary to be successful on the core clerkships. Objectives: At the end of the elective, students will be able to: obtain a complete and accurate history and physical examination, present a focused and comprehensive evaluation of a patient in a clear and concise manner, document in writing a focused and comprehensive evaluation of a patient in a clear and concise manner, and interpret basic X-rays and electrocardiograms. Activities include: two complete patient evaluations per week, standardized patient feedback session at the end of the second week and two hour case-based conference or small group activity daily. Teaching activities and time allocation per week/elective: lecture hours - none; small group activities - 10 hours; physical diagnosis - 8 hours; standardized patient encounters - 8 hours for the elective. Assessment includes: clinical performance evaluation by faculty to assess the following skills: clinical	7	7	4	8

performance evaluation by faculty to assess the following skills: history and physical examination, case presentation, medical docun

SOM Medicine - General	GMED	5074	Pul/Crit Care w/ Dr. Rosenblum	Allow senior student to manage pulmonary and critical care patients with direct supervision in a one on one setting. Each student presents on a topic in this field at the end of the month also.	10	10	2	40
SOM Medicine - General	GMED	5075	Crit Care Pul Med	The practice consists of patients admitted to the Burn Unit, admission of unassigned medical and critically ill patients from the emergency room, inpatient consultation to MICU and SICU, and management of critically ill patients accepted in transfer from outlying hospitals. All types of acute medical problems are seen in this practice environment. There is an extensive reference list and journal library as well as a textbook library. Prerequisite: MED 5000	10	10	10	40
SOM Medicine - General	GMED	5076	Healthcare Sys Leadership Mgmt	To familiarize the student and engage the student in the interrelationship of the administrative and clinical components of a healthcare system. Prerequisite: Phase I and Phase II	7	7		40
SOM Medicine - General	GMED	5077	Ambulatory Adult Select	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	10	10		40

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. Prerequisite: MED 5000

SOM Medicine - General	GMED	5078	Intro to Rhematic Diseases	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.	7	7	2	40
SOM Medicine - General	GMED	5079	Sub Internship-Off Campus	To further enhance the clinical skills necessary to begin transitioning to residency. Prerequisite: MED 5000 and departmental approval	10	10		
SOM Medicine - General	GMED	5080	Medical Economics	The goal of this elective is to improve learner's knowledge of the economic, business and regulatory issues involved in the practice of clinical medicine in the United States in 2006. The objectives are: (1) Understand the basics of starting and operating a private medical	3	3		35



or starting and operating a private medical practice. (2) Become familiar with the key economic and policy issues affecting the practice of medicine. (3) Learn the principles and processes of quality improvement as they apply to outpatient and inpatient medical practice

SOM Medicine - General	GMED	5081	Comm-Based Nephro Consult Elec	To Experience the practice and principles of a consultative nephrology service with a particular emphasis on ICU nephrology, principles of dialysis, and fluid and electrolyte management. Prerequisites: Medicine Core	7	7		40
SOM Medicine - General	GMED	5085	Women's Hlth-All Physician	This elective is an opportunity to explore issues that directly impact women and their health (both the medical aspects as well as the psychological impact). Examples of topics include contraceptives, abortion, women's rights, midwifery, cancer, AIDS, rape, and autoimmune disorders. Prerequisites: None	1	1	2	
SOM Medicine - General	GMED	5086	Cancer Biology- Treatment	This course discusses our current understanding of the molecular mechanisms involved in the development of a variety of cancers, such as cancer of the breast, colon, lung, ovary, and prostate. Topics include cancer risk factors, the molecular basis of cancer treatment, treatment options, possible improvements of patient outcomes, as well as cancer prevention.	1	1	2	
SOM Medicine - General	GMED	5087	Medical Terms in Spanish	This course is designed to help students develop basic communication skills in Spanish.	1	1	2	
SOM Medicine - General	GMED	5088	Rheumatology clinic	Shadow a clinical Rheumatologist during his	1	1		3

			Experience	clinic. Expose the 1st year student to clinical medicine.					
SOM Medicine - General	GMED	5098	Med Preceptorship	This elective provides students with an opportunity to observe a general internist or subspecialist in the clinical setting. Students will shadow the physician in both the inpatient and outpatient setting.	1	1			
SOM Medicine - General	GMED	5100	Basic Clkshp Med Pt 2	This 4 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 health care 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 8 weeks on inpatient services (at least one month on a general medicine service) and one month (if possible) in the ambulatory setting. Prerequisite: Phase 1 and Phase 2	10	10	3		8
SOM Medicine - General	GMED	5999	Basic Clerk Remediation in Med	Remediation of the Basic Core Clerkship in Medicine	1	1			
SOM Medicine - General	MDPH	5098	MDPHD Summer Research	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.	3	3	0	5	0
SOM Medicine - General	BIOL	1790	Principles of Biology		4	4	6	4	
SOM Medicine - General	SCIE	3100	Scientifi Interp Crit Thinking	This Seminar focuses on the fundatmental concepts of critical thinking, specifically using them to understand, dissect, and evaluate scientific literature. Students will apply the skills learned to novel scientific situations, specifically in the area of health disparities	2	2			4

specifically in the area of health disparities.  
 This Seminar will utilize scientific journal articles, case studies, and group presentations, as well as class and small group discussions.

SOM Medicine - General	RCAR	5000	Cardiology	27	27	5	40	15
SOM Medicine - General	RDER	5000	Dermatology	27	27	6		40
SOM Medicine - General	REMD	5000	Emergency Medicine	27	27	14		40
SOM Medicine - General	RGAS	5000	Gastroenterology and Hepatology	27	27	10		40
SOM Medicine - General	RHOM	5000	Hematology - Oncology	27	27	12		40
SOM Medicine - General	RINF	5000	Infectious Disease	27	27	25		24
SOM Medicine - General	RMED	5000	Medicine	27	27	14		40
SOM Medicine - General	RMEN	5000	Metabolic Endocrine Disease	27	27	10		40
SOM Medicine - General	RNEP	5000	Nephrology	27	27	10	10	40
SOM Medicine - General	RPUL	5000	Pulmonary Disease	27	27	5	7	20
SOM Medicine - General	RRAD	5000	Radiology Diagnostic	27	27	15		48
SOM Medicine - General	RRAD	5001	Radiology Neuroradiology	27	27	7		48
SOM Medicine - General	RRAD	5002	Therapeutic	27	27	10	40	24
SOM Medicine - General	RRHE	5000	Rheumatology	27	27	5		40
SOM Medicine - General	RSUR	5004	Plastic Reconstructive Surgery	27	27	10		40
SOM Medicine - General	RSUR	5005	Thoracic Cardiac	27	27	10		40
SOME Molecular Med Genetics	MOLM	8030	Biological Signaling	3	3	3	0	

Strategies of communication at various levels of biological organization. Covers intracellular communication, communication between cells in multicellular organisms, and interactions between organisms in a group or ecosystem. Focuses on emergent properties of complex

focuses on emergent properties of complex systems. Prerequisite: Completion of 1st year biomedical sciences graduate core curriculum.

SOM Molecular Med Genetics	MOLM	8130	Adv Top Mole & Cell Immun	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. Prerequisite: Completion of 1st year biomedical sciences graduate core curriculum. Also open to medical students with interests in basic immunology.	3	3	3	0	0
SOM Neurology	NEUR	5000	Basic Clkshp in Neurology	This four 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 lesion. The recognition and management of neurological emergencies is included. Prerequisite: Successful completion of Phase II	10	10	8		40
SOM Neurology	NEUR	5001	Act Intrnshp-Adlt Neu MCG	This is a patient care elective. The student will have primary care responsibility for a block of	10	10			40

neurological inpatients. The student will participate in rounds and conferences and will assist with the diagnostic procedures involving his/her patients. The student will be expected to participate in the on-call rotation with other housestaff. Prerequisite: NEUR 5000

SOM Neurology	NEUR	5002	Act Intrnshp-Adlt Neu-VA	This is a patient care elective. The student will have primary care responsibility for a block of neurological inpatients. The student will participate in rounds and conferences and will assist with the diagnostic procedures involving his/her patients. The student will be expected to participate in the on-call rotation with other housestaff. Prerequisite: NEUR 5000	10	10	40
SOM Neurology	NEUR	5003	Consult-Clin-Adlt Neu-MCG	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. Prerequisite: NEUR 5000	7	7	40
SOM Neurology	NEUR	5004	Consult-Clin-Adlt Neu-VA	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. Prerequisite: NEUR 5000	7	7	

SOM Neurology	NEUR	5005	Computer Applicatn- Neuro	<p>This elective allows the student to develop an understanding of computer applications in Medicine and Neurology. The student will use the Neurology Department's computer system, which consists of 60 computers organized in a local area network using the Netware operating system. Such a system represents the forefront of computerized technology. Many projects are available for the student to work on, including the development of patient databases, artificial intelligence, and signal analysis. The student will work on a program under the direction of Dr. Michael Rivner. Programs will be written in C, Basic, Pascal or Fortran. Compilers are available in all of these languages. No prior experience in programming or engineering is necessary. However such experience is highly desirable. If the student does not have experience in programming, programming will be taught during this elective period, mainly by self study. The following projects are currently active: (1) Neurology patient database; (2) Billing systems; (3) EMG signal analysis and spike detection; (5) Stroke patient database; (7</p>	3	3
SOM Neurology	NEUR	5006	Clin-Rsch Elect-Neu MCGH	<p>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.</p>		

SOM Neurology	NEUR	5007	Clin-Rsch in Neurology-VA	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. Prerequisite: NEUR 5000	7	7			
SOM Neurology	NEUR	5008	Clin-Rsch in Neurology OC	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. Prerequisite: NEUR 5000	7	7	10		40
SOM Neurology	NEUR	5009	Acting Intern Child Neu	This is a patient care elective. The student will have primary care responsibility for a block of child neurology patients. The student will participate in rounds and conferences and will assist with the diagnostic procedures involving his/her patients. The student will be expected to participate with the housestaff. Prerequisite: NEUR 5000	10	10	5		20
SOM Neurology	NEUR	5085	Clin Neu Approach Pat-Test	The course will consist of a combination of didactic lectures and clinical experience in the MCG outpatient and inpatient settings	1	1	1	8	15
SOM Neurology	NEUR	5086	Sleep Disorders	The purposes of this course are to	1	1	1	3	

understanding physiology of sleep; provide an overview of sleep disorders in humans; recognize sleep disturbances; and use case studies and review articles relating to sleep disorders.

SOM Neurology	NEUR	5999	Basic Clerk Remed in Neurology	Remediation of the Basic Core Clerkship in Neurology	1	1		
SOM Neurology	RNEU	5000	Neurology		27	27	10	50
SOM Neurology	RNEU	5001	Child Neurology		27	27	10	50
SOM Neurology	RNEU	5002	EEG Neurology		27	27	10	50
SOM Neurology	RNEU	5003	EMG Neurology		27	27	10	50
SOM Neurology	RNEU	5004	Clinical Neurophysiology		27	27	10	50
SOM Neurology	RNEU	5005	Neurology Movement Disorder	Neurology Movement Disorder	27	27	10	50
SOM OB Gynecology	OBN	5000	Basic Clkshp OBG 6 wks	This required basic clerkship of four weeks' duration combines inpatient and outpatient experience in human reproduction and in disorders of the female reproductive system. About half of all students will be at MCG where they will rotate through the subspecialty services. Prerequisite: Successful completion of Phase II	15	15	14	40
SOM OB Gynecology	OBN	5001	Obstetrics-GYN-MED School	This elective is offered by arrangement with various hospitals, or affiliated medical schools in the United States and overseas. The course will be 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 his or her curriculum vitae showing OB/GYN training. Formal evaluation is required. Prerequisite: Satisfactory Completion of OBG 5000	7	7	10	40



SOM OB Gynecology	OBGN	5004	Research-Laboratory at MC	The student will have the opportunity to design original studies or pursue ongoing research projects in either the biochemical or biophysical assessment laboratories. This elective is flexible and can be tailored to the specific interests of the student. Current projects include intrauterine fetal breathing observation, analysis of fetal heart rate patterns, evaluation of fetal lung maturation in various maternal/fetal conditions. Prerequisite: Satisfactory Completion of OBG 5000	7	7	1	
SOM OB Gynecology	OBGN	5005	Maternal Fetal Medicine	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. Prerequisite: OBG 5000	10	10		40
SOM OB Gynecology	OBGN	5006	Reprod End-Genetics	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	7	7	17	50

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 pr

SOM OB Gynecology	OBGN	5007	Gynecologic Oncology	The student will 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 will consist of examining patients, under supervision, who are pretreatment gynecologic oncology patients. He/she will observe the use of colposcopy, cryotherapy, of outpatient cystoscopy and special biopsy procedures involving the female genital tract cancers and their precursors. Prerequisite: OBG 5000	10	10	10	68
SOM OB Gynecology	OBGN	5008	Benign Gynecology	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	10	10	15	50

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. Prerequisites: OBG 5000

SOM OB Gynecology	OBGN	5009	Ob-Gyn Substitute Intnshp	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. Prerequisite: OBG 5000	10	10		
SOM OB Gynecology	OBGN	5011	Mole Studies-Reprod End	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 chance 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. Prerequisites: OBG 5000	7	7	1	50
SOM OB Gynecology	OBGN	5012	Urogynecology Elective	The student will participate in the management of inpatient and outpatient urogynecology patients. The outpatient	10	10	3	35

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. Prerequisite: Satisfactory completion of OBG 5000

SOM OB Gynecology	OBGN	5013	Elective-ObGyn	Allow students to gain a more in-depth knowledge of general OB/GYN by exposure to Ambulatory, Surgical and Obstetrical patients. Rotation is split between obstetrics and general gynecology. Students will have more in-depth exposure to surgical techniques and training in gynecological surgery and participation and management of obstetrical and ambulatory patients in L&D and Sheffield clinic. Performance evaluated by faculty to assess the following skills: patient care, medical knowledge, practice-based learning and improvement, professionalism, interpersonal and communication skills, and system-based learning. Prerequisite: Satisfactory Completion of OBG 5000	10	10	1	16
SOM OB Gynecology	OBGN	5014	MFM Outpatient Elective	Students will be exposed to prenatal diagnosis for high risk obstetrical patients, evaluation and management of patients with high risk	10	10	1	22

obstetrical conditions, "hands-on" ultrasound experience with genetic counseling and other prenatal diagnosis. Prerequisites: Satisfactory Completion of OBGN 5000A

SOM OB Gynecology	OBGN	5085	Real Life Gynecology 1	The elective will be comprised of clinical encounters under the direction of a GYN faculty member as well as didactic content. Clinical encounters will consist of shadowing the GYN physician and participating as a team member. The didactic components are designed to prepare students to address specific clinical situations which are encountered in Women's Health Care. Prerequisite: None	1	1	1	3
SOM OB Gynecology	OBGN	5086	Mind Group Body Experience	Meet to provide training in Mind-Body Medicine, stress reduction and relaxation. Using the techniques developed by James Gordon and the Center for Mind-Body Medicine. Prerequisites: None	1	1	1	
SOM OB Gynecology	OBGN	5098	OB-GYN Summer Preceptorship	The student will attend Grand Round, Benign and C-Section conferences when offered. The student will learn to surgically scrub and will follow patients in the clinic. The student will participate on the GYN service and attend deliveries. Grading System: Satisfactory/Unsatisfactory Prerequisite: None	1	1	2	40
SOM OB Gynecology	OBGN	5099	Off Campus OB-GYN Sum Pre	This elective is offered to provide the student with experience in Obstetrics-Gynecology in an off-campus setting. The student will make arrangements to accompany a preceptor in his/her office and hospital functions during the period of the elective. Prerequisite: None	1	1	2	40
SOM OB Gynecology	OBGN	5999		Remediation of the Basic Core Clerkship in	1	1		

			Basic Clerk Remediation in OBG	Obstetrics/ Gynecology						
SOM Ophthalmology	OPTH	5001	Ophthalmology Clkshp	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. Prerequisite: None	7	7	6			35
SOM Ophthalmology	OPTH	5002	Ophthalmology Rsch Elect	An area of mutual interest to the student and faculty supervisor will be selected and the student will outline his research project with literature references and carry it out under supervision. A written report on the project is required at the end of the elective period. Prerequisite: None	7	7	1	39		5
SOM Ophthalmology	OPTH	5003	Oph Off-Campus Exper	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, neuroophthalmology 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 Chairman or the supervising faculty member in the Department where the	7	7				40

off campus elective is taken. Credit for the course will not be given until all of the above have been satisfactorily completed.  
Prerequisite: None

SOM Ophthalmology	OPTH	5085	Ophthalmology Rsrch Elective	Learn experimental formulation, design, and implementation. Become familiar with standard molecular biology assays. Conduct relevant and worthwhile research in the field of ophthalmology.	1	1	3		
SOM Ophthalmology	ROPH	5000	Ophthalmology		27	27	10	4	45
SOM Pathology	PATH	5002	Univ Hosp Pathology Lab	Electives will be offered in most phases of practice of pathology including surgical pathology, autopsies, hematology, blood banking, chemistry, bacteriology, immunopathology or cytology. Special work will be assigned to the student for background purposes. Can be offered singularly or in combination. Prerequisite: Phase II	7	7			
SOM Pathology	PATH	5003	Sur Pth Spec Elect	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. Prerequisite: Phase II	7	7	10	40	
SOM Pathology	PATH	5005	Transfusion Medicine	Understanding general principles of transfusion therapy and therapeutic apheresis. Blood donation and Hematopoietic Progenitor Cell (HPC) therapy/collection principles.	7	7	10	40	
SOM Pathology	PATH	5007	Cancer Cytogenetics	Cytogenetics is an important part of	7	7		40	

Pathology. It is now well documented that cytogenetic analysis is an independent diagnostic and prognostic indicator in human cancer, particularly leukemia and lymphoma (and a few solid tumors). This program is designed to acquaint the student to cancer cytogenetics and its clinical application in diagnosis and in the management of the cancer patient. Prerequisites: Phase II

SOM Pathology	PATH	5009	Gen Clin Pth Lab	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. Prerequisite: Phase II	7	7	1	
SOM Pathology	PATH	5011	Basic Neuropathology	This is a basic neuropathology course designed only for a student who intends to choose pathology, neurosurgery, neurology, or other neurological science related fields as a subspecialty in his medical career. Prerequisite: Phase II				
SOM Pathology	PATH	5014	Spec Elec-Anat-Clin PTH	There will be 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 will have the opportunity to participate in intra- and inter-	7	7	20	5



the opportunity to participate in intra- and inter-departmental conferences. Prerequisite: Phase II

SOM Pathology	PATH	5016	Anatomic 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. Prerequisite: Phase II Pathology	7	7		
SOM Pathology	PATH	5018	Gastrointestinal Pathology	Goal is to help students develop a basic familiarity with needle biopsies of the liver and endoscopic biopsies of the alimentary tract. Objectives are to obtain knowledge of Gastrointestinal Pathology. Students will participate in routine microscopic sign-out of biopsies and surgical specimens.	7	7		
SOM Pathology	PATH	5019	Clinical Microbiology	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. Prerequisite: A Medical Microbiology Course	3	3		
SOM Pathology	PATH	5023	Basic Cardiovascular Pth	To structurally cover cardiology and vascular diseases, both adult and congenital within context of their specific pathologic manifestations. Prerequisites: Phase II	7	7		
SOM Pathology	PATH	5025	Pathology Research	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	3	3	10	30

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. Prerequisite: Phase II Pathology

SOM Pathology	PATH	5026	Southeast Ga Hlth Sys	Provide students with an opportunity to rotate through a busy pathology department and experience the full array of daily functions undertaken in such a department	7	7	1	10	11
SOM Pathology	PATH	5085	Cancer Cytogenetics	This elective will acquaint the student to cancer cytogenetics and its clinical application in the management of the cancer patient. The student will be exposed to modern cytogenetic techniques, including cell culturing and harvesting procedures for obtaining chromosome slides, performing various chromosome banding techniques, microscopic analysis to identify normal and abnormal chromosomes, photography and computer-assisted karyotyping. Prerequisite: None	1	1		8	
SOM Pathology	RPAT	5000	Pathology		27	27	10	40	
SOM Pathology	RPAT	5001	Pathology Blood Banking		27	27	10	40	
SOM Pharmacology & Toxicology	PHRM	8300	Neuro-pharmacology	Pharmacological principals of drugs that act on the brain and nervous system. Prerequisites: Graduate core course.	4	4	3	0	1
SOM Pharmacology & Toxicology	PHRM	9020	Seminar in Pharmacology	Research presentations by MCG faculty and visiting research scientists.	1	1	1	0	0
SOM Pharmacology &	PHRM	9210	Investigation of a	The student works with individual faculty	1	1	0	40	

Toxicology

Problem

members on a specific investigative research problem. This provides an introduction to analytical techniques and the scientific method in action. Prerequisites: Admission in a graduate program.

SOM Pharmacology & Toxicology	PHRM	9300	Research	The student works closely with his/her 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.	1	1	0	40	0
SOM Pharmacology & Toxicology	PHRM	5003	Tutorial in Pharmacology	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. Prerequisite: Medical Course in Pharmacology	3	3			
SOM Pharmacology & Toxicology	PHRM	5004	RSCH in Pharmacology	Opportunity to participate in research programs being conducted by members of the faculty of the Department of Pharmacology and Toxicology Prerequisite: Approval by faculty member with whom research will be done	4	4			
SOM Pharmacology & Toxicology	PHRM	5011	Toxicology	Expand knowledge and understanding of toxins' actions and their clinical management. Students will participate in discussion and review of several aspects of toxicology including heavy metals, gaseous poisons, industrial and agricultural chemicals, poisonous plants and venoms. Emphasis is on human toxicology and includes selected reports to be presented by enrollees. Prerequisites: Medical Course in	3	3	10		

Pharmacology

SOM Pharmacology & Toxicology	PHRM	5012	Clin Pharmacology-Therap	Better understanding of the actions and clinical uses of important classes or drugs and modes of drug delivery, allow students to reflect on and solve problems encountered with clinical therapeutics. Prerequisites: Medical Course in Pharmacology	2	2	8		
SOM Pharmacology & Toxicology	PHRM	8041	Adv Pharmacological Sciences	Current concepts and trends in pharmacological science and research. Covers all areas of pharmacology. Prerequisites: Completion of SGS Core Curriculum.	4	4	4	0	0
SOM Pharmacology & Toxicology	PHRM	8120	Cardio Physio & Pharm	Evaluation of the actions of drugs on the heart and blood vessels. Prerequisites: Completion of SGS Core Curriculum.	3	3	3	0	0
SOM Pharmacology & Toxicology	PHRM	8130	Modern Drug Discovery	This course is interdisciplinary with an emphasis on current techniques, concepts and trends in drug discovery today. Strategies for deciphering a drug target and for discovering new classes of drugs and therapies will be the main themes of the course. Prerequisites: Completion of SGS Core Curriculum.	3	3	3	0	0
SOM Pharmacology & Toxicology	PHRM	9010	Seminar in Pharmacology	Research presentations by MCG faculty and visiting research scientists.	1	1	1	0	0
SOM Physiology	PSIO	7110	Physiology	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.	6	6	6	0	0
SOM Physiology	PSIO	8003	Applied Neuroscience	Interdisciplinary study of neuroanatomy, neurophysiology, and clinical neuroscience with integrative coverage of nervous function and dysfunction through case-based applications	3	3	2	2	0

application.

SOM Physiology	PSIO	8340	Advanced Study Physiology	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. Prerequisites: Satisfactory completion of the Core Course and First Exam.	1	1	1	0	0
SOM Physiology	PSIO	9010	Seminar in Physiology	Attendance and participation in research presentations by MCG faculty and visiting research scientists. Prerequisites: Admission to a graduate program.	1	1	1	0	0
SOM Physiology	PSIO	9210	Investigation of a Problem	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: Admission to a graduate program.	1	1	0	1	0
SOM Physiology	PSIO	9300	Research	The student works closely with his faculty thesis/dissertation advisor on an in-depth study of a research problem of interest to oth student and advisor. This course culminates in the preparation of a PhD dissertation of MS thesis. Prerequisites: Permanent assignment to a specific lab with a faculty advisor and a defined research project.	1	1		1	0
SOM Physiology	PSIO	5011	RSCH ELECT / PHY / ENDOCRINE	This course will introduce medical students to physiological research. They will learn how to do hypothesis-based research and learn research methods. Prerequisites: Approval by faculty	3	3			
SOM Physiology	PSIO	8320	Adv Neural & Endo Systems	Understanding the integration of neural and endocrine systems is one of the cornerstones of modern physiology. This course will	2	1	2	0	0

examine in detail the regulation and functional interaction of the neural, immune, and reproductive systems. Specific emphasis will be placed on understanding the complex networks of feedback control leading to whole organism homeostasis. Prerequisites: Biomedical Sciences first-year core courses.

SOM Physiology	PSIO	8330	Teaching Prac in Med Phys	Mentored approach to gaining practical experience lecturing in a medical physiology course. Prerequisites: Biomedical Sciences first-year core courses.	1	1	0	1	0
SOM Physiology	PSIO	9020	Seminar in Physiology	Attendance and participation in research presentations by MCG faculty and visiting research scientists. Prerequisites: Admission to a graduate program.	1	1	1	0	0
SOM Psychiatry & Health Behavior	PSRY	5000	Basic Psychiatry	This required six 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. Prerequisite: Successful completion of Phase II	15	15	4		50
SOM Psychiatry & Health Behavior	PSRY	5002	Consult-Liaison Psy	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. Prerequisite: PSY 5000	7	7			20

medicine. Prerequisites: PSY 5000

SOM Psychiatry & Health Behavior	PSRY	5004	Family Therapy	Students desiring supervision and training in the psychiatric assessment and treatment of individuals from a family systems perspective are encouraged to sign up for this elective. Students can expect to be involved in the treatment of marital and family therapy cases in both the outpatient and inpatient units. Supervision for these activities will be provided by faculty and will include live case observation as well as opportunities in psychotherapy. Students will attend Residents' Family Therapy Seminars, Weekly Outpatient Live Case Conferences, and Inpatient Family Assessment and Treatment Teams. Students will be assigned readings designed to acquaint them with basic and advanced clinical issues involved in Family Therapy approaches to treatment. Prerequisite: PSY 5000	7	7	2	3	10
SOM Psychiatry & Health Behavior	PSRY	5005	Off Campus Elective	Special arrangements can be made for elective rotations at other institutions or for preceptorships with individual psychiatrists. Prerequisites: PSY 5000	7	7	3		40
SOM Psychiatry & Health Behavior	PSRY	5007	Eating Disorders	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	7	7			40

provided concerning a comprehensive biopsychosocial approach to the assessment and treatment of eating disorders.  
Prerequisite: PSY 5000

SOM Psychiatry & Health Behavior	PSRY	5010	Inpatient Psychiatry	3-South is an adult inpatient psychiatric unit offering an interdisciplinary approach to patient care. The student will be included as an integral part of a general hospital psychiatry inpatient team. Responsibilities will include direct patient care, participation in team meetings, participation in group therapy, psychotherapy with supervision, and associated didactic learning experiences. The diverse patient population on 3South will provide the student with learning experiences in Eating Disorders, Electroconvulsive Therapy and Organic Mental Disorders, as well as Mood and Psychotic Disorders. The student will also have the opportunity of gaining experience in crisis intervention, family therapy, psychopharmacology, application of behavioral therapy, inpatient psychotherapy and management of medical problems contributing to psychiatric illness. Prerequisite: PSY 5000	7	7	2	40
SOM Psychiatry & Health Behavior	PSRY	5017	Clin Neurobio Rsch Sem	The objective of the Clinical Neurobiology Research Seminar will be to familiarize the student with current topics in the clinical neurosciences. Emphasis will be placed on a critical reading of the literature, with teaching focused on methods of evaluating the integrity and context of the research literature. Topics will focus on the relationship of behavior to brain chemistry. Discussion will highlight the functional role of different neurotransmitter	7	7	4	20



receptor subtypes, neuropeptides, and second messengers in regulation of stress adaptation, and the expression of cognitive, emotional and perceptual behaviors. The course will review selected advances in behavioral neuroendocrinology, neuropharmacology and the genetic bases of personality. Each student will be required to write a review paper for course completion. The goals of the seminar will be both to contribute toward the development of the student's interest in a particular area, as well as to integrate an understanding of where the field is advancing relevant to future physician careers. Prerequisite:

SOM Psychiatry & Health Behavior	PSRY	5021	Neuropsych-Adlt-Non-Primate	To provide the student doctor with the opportunity to participate in an ongoing research program in which rhesus monkeys are trained to perform certain operant tasks used to assess cognition and memory. Prerequisites: PSY 5000	7	7	2	38
SOM Psychiatry & Health Behavior	PSRY	5023	Inpat-Consul Child Psy	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 acute psychiatric care but includes one afternoon of medication clinic per week to allow experience with children and adolescents who are followed for less acute issues such as maintenance of depression, ADHD and behavioral disruption. Prerequisite: PSY 5000	7	7	2	38

SOM Psychiatry & Health Behavior	PSRY	5028	HIV-AIDS Psy Psycho Is	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. Prerequisite: PSY 5000	7	7	3	30
SOM Psychiatry & Health Behavior	PSRY	5029	Mole Neuro Treat Schizoph	This elective will explore the molecular neurobiologic 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 assesment of patients. This elective includes two weekly contact hours of seminar. Prerequisite: PSY 5000	7	7		30 5
SOM Psychiatry & Health Behavior	PSRY	5030	Child & Adol Psych Outpat	Students are offered the opportunity to work directly with faculty and child psychiatry fellows in the evaluation and treatment of children and adolescents (2-18 years) with a variety of behavioral and emotional problems. Emphasis will be placed on evaluating the child's performance in family, school, and social situations along with biological predisposition to illness. Students will be given the opportunity to participate in intake assessments, individual psychotherapy and pharmacotherapy while receiving supervision	7	7	4	35

in these practices. Elective goals will include familiarization with diagnostic issues, evaluation strategies, and behavioral and pharmacological treatments. Prerequisite: PSY 5000

SOM Psychiatry & Health Behavior	PSRY	5033	Elective-Res Treatment	To educate and expose students to the general medical principles and management of critically ill surgical patients in the Intensive Care Unit environment; Objectives: To provide the student doctor with the opportunity to become a member of a treatment team that includes a forensic and child psychiatrist, understand psychopathology of adolescents with self destructive and aggressive behaviors, learn about specific evaluation and treatment of sexually reactive and aggressive behaviors, learn and practice the evaluation of trauma and aggression with specific skills taught in Cognitive Behavior Therapt (CBT), learn about the psychopharmacology of these disorders, learn about the role of the physician in multidisciplinary teams, and learn about substance abuse/dependence evaluation and treatment in this population. At the end of the rotation, students will be able to perform a basic evaluation of adolescents with aggression problems, trauma, sexually aggressive behavior, and substance abuse/dependence issues; perform the cognitive restructuring part of CBT; perform a b	7	7	8
SOM Psychiatry & Health Behavior	PSRY	5034	Applied Clinical Psychopharmac	To provide the learner with exposure to aplication of advanced psychopharmacology	7	7	25

in clinical psychiatry. To provide the learner with opportunity to research and critically interpret literature on topics of psychopharmacology. To provide the learner with an opportunity to participate in writing a literature review-type article on a psychopharmacology topic.

SOM Psychiatry & Health Behavior	PSRY	5035	Psych Approach to Chronic Pain	To provide the learner with exposure to the biopsychosocial approach to the assessment and treatment of chronic pain patients. To provide the learner with opportunity to research and critically interpret literature on topics of pain psychology. To provide the learner with an opportunity to participate in writing a literature review-type article on a topic relevant to pain psychology or to present a relevant topic at the Pain Medicine Lecture Series.	7	7		25
SOM Psychiatry & Health Behavior	PSRY	5086	Eating Disorders	Students will be exposed to the assessment and treatment of anorexia nervosa, bulimia nervosa and various other feeding disorders. Experience may include initial evaluations, consultations within the Children's Medical Center and MCG Hospital and observation of individual, group and family therapy with patients presenting the aforementioned diagnoses. Prerequisite: None	1	1	1	2
SOM Psychiatry & Health Behavior	PSRY	5087	Topical Issues in Psych	This is an introductory course designed to give students a ?Prozactive? perspective on the modern practice and science of psychiatry. The elective will be taught by a variety of psychiatry faculty sharing their expertise and insights in an informal seminar format. Topics will include ?What is a Shrink??. ?Neuroimacina and Psvchiatr? (what does	1	1		1

...?Research Today? highlighting current research efforts in the Department, and related topics over the course of the elective. Opportunities to tour clinical facilities and participate in clinical rounds on psychiatric patients will be included.

SOM Psychiatry & Health Behavior	PSRY	5088	Child/Adolesc Outpt Experience	The goals will be to become comfortable in eliciting pertinent information from children, adolescents and their families to facilitate diagnosis a treatment.	1	1		3
SOM Psychiatry & Health Behavior	PSRY	5089	From Clinical Prac to Research	Students will shadow both course directors in an outpatient setting during the elective time to gain a more in-depth understanding of adult and childhood mental illnesses. The student will be exposed to both the clinical care of individuals with mental illness and will have opportunity to further their knowledge about the importance of reseach including observations of research visits and reviewing research opportunities for those with psychiatric disorders.	1	1		4
SOM Psychiatry & Health Behavior	PSRY	5999	Basic Clerk Remediation in Psy	Remediation of the Basic Core Clerkship in Psychiatry	1	1		
SOM Psychiatry & Health Behavior	RPSY	5000	Psychiatry		27	27	20	50
SOM Psychiatry & Health Behavior	RPSY	5001	Child Psychiatry		27	27		55
SOM Radiology General	RADM	5001	Radiology	The 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	7	7	10	30

In addition to clinical rotations, lectures and case conferences are scheduled throughout the rotation. The primary goal of the elective is to help the student develop a better understanding of the functions of radiology as a contributor to primary care of the patient. The student will 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. Prerequisite: None

SOM Radiology General	RADM	5003	Clkshp Pediatric Radiolog	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, the student will attend film reading sessions with faculty and resident(s). Prerequisite: None	7	7	10	30
SOM Radiology General	RADM	5004	ADV Clksp Diag Rad	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. Prerequisite: RAD 5001	7	7	3	40
SOM Radiology General	RADM	5005	Radiology Clkshp/Off Camp	This elective designed for the student who is considering pursuit of a radiology residency and who would like to obtain additional and varied experiences in the field.	7	7	10	30
SOM Radiology General	RADM	5006	Clkshp Rad Ther Oncology	The student will gain experience in the workup and general management of the cancer patient in the areas of curative therapy,	7	7		40

palliation, and supportive care. Prerequisite:  
None

SOM Radiology General	RADM	5007	Vascul-Intervnt Radiology	The student and the attending set specific goals and plan learning activities that will lead to attainment of the student's objectives. Prerequisite: Phase III	7	7	40
SOM Radiology General	RADM	5008	Rad Oncology Clerk (Off-Camp)	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.	7	7	8
SOM Radiology General	RADM	5013	Radiology Research Elect	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 comprehe	3	3	8

SOM Radiology General	RADM	5085	Introduction to Radiology	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. Prerequisite: None	1	1	2	2
SOM Radiology General	RADM	5086	Intro to Neuro-Inter Radi	The primary goal of the elective is for the participating medical student to develop understanding of the functions of a neuro-interventionalist. You will be required to keep a radiology elective journal describing activities and types of studies that you observe or participate in during the course. Prerequisite: None	1	1		2
SOM Radiology General	RADM	5098	Intro to Rad Oncology	This course provides a basic introduction to radiation oncology. Students will observe and participate in the therapeutic patient workup. The primary goal of the elective is to help the student develop a better understanding of the functions of the radiation oncologist and a radiation therapy center. Prerequisite: RAD 5085	1	1		6
SOM Surgery	SURG	5000	Basic Clkshp in Surgery Core	This four (4) 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. Prerequisite: Successful completion of Phase II	10	10	1	30
SOM Surgery	SURG	5001	Gen Surgery	Responsibilities of initial evaluations, pre and	10	10	15	40



Clerkship  
 postoperative planning and care are under the supervision of the surgical resident house staff and the Director of Surgical education. Experience will include the care of peripheral vascular, thoracic, colorectal and general surgical patients as well as a broad exposure to all other surgical specialties. Prerequisites: SUR 5000A

SOM Surgery	SURG	5002	General Surgery Research	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. (Chairman and Staff) Prerequisite: None	7	7	15	40
SOM Surgery	SURG	5003	Preceptorship	Clinical experience with individual private preceptor, in his office, operating room and hospital. (Individual arrangements must be made through both the Chairman of Surgery and the Clinical Surgeon involved.) Prerequisite: SUR 5000	7	7	15	40
SOM Surgery	SURG	5004	Off Campus Experience	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 he wishes 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. Prerequisite: SUR 5000	7	7		

SOM Surgery	SURG	5005	Sr Trauma Rotation	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 prehospital 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 prehospital 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. Prerequisite: SUR 5000	10	10		
SOM Surgery	SURG	5006	Adv Clerkship MMC Sav	During this elective experience the student will be assigned to one of the general surgical services and function as an intern under the watchful eye of the chief resident and chief of service. He or she can expect to be responsible for assigned patients, do a complete work up, scrub on the surgery, be asked to write orders, and follow the patient throughout their hospital course. This elective will be useful in allowing the students to determine whether they wish to pursue a career in surgery or not. Prerequisite: SUR 5000	10	10	40	20
SOM Surgery	SURG	5007	Substitute Internship	Students on this elective will function as substitute interns on the General Surgical	10	10		

Services at the Medical College of Georgia Hospitals. The student will be assigned to a specific surgical service and will function as an integral part of that service. The student is expected to initiate the clinical data base, begin diagnostic measures, and where possible, to perform surgical procedures with supervision. In addition, he will participate in the teaching responsibilities, conferences, clinics, and operating experiences of the service to which he/she is assigned and will be assigned night call responsibilities.  
Prerequisite: SUR 5000

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SOM Surgery	SURG	5008	Clin Mgmt Crit ILLI- Inj Pt	The student will be involved in the care of patients on the Burn/Trauma Service. These patient frequently have injuries and functional disruption of multiple organ systems and therefore offer opportunities not only in learning management of burns and trauma, but also critical care. Cardiovascular, pulmonary and renal physiology are stressed and the frequent use of mechanical ventilatory support and invasive cardiovascular monitoring provide extensive experience in care of the critically ill. The interrelationship of anatomy, pathophysiology, biochemistry, pharmacology and microbiology is studied in relationship to the management of burns, trauma and critical care. Selected readings, didactic presentations, video taped lectures, perceptually instruction and clinical interface are all used as teaching methodology. These students participate as an active member of the patient care team. Prerequisite: SUR 5000	10	10	40
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SOM Surgery	SURG	5009	Clerkship, AMC	Increased knowledge and skills in the field of surgery and in the care of surgical patients.	10	10		
SOM Surgery	SURG	5013	Sur Crit Care-Trauma Clk	During assignment at Atlanta Medical Center, students will be introduced to Surgical Critical Care and Trauma. There is an 18 bed Surgical Intensive Care Unit (SICU) and a moderately busy Trauma Surgery service, and VICU and CVICU. During this rotation, the student will be assigned to patients in the SICU related procedures. There are daily teaching rounds in the SICU with the faculty and housestaff, as well as a variety of surgical conferences on a weekly basis. The exposure to trauma patients is varied and depends on the types of patients admitted. The majority have received blunt injury and are assessed in the trauma admitting area. There is opportunity to spend time with the helicopter team relative to transport care and issues. A surgical library is provided for reading and study during free time and academic pursuit along these lines is stressed while learning practical experience of patient evaluation and care. Prerequisite: Core Curriculum	10	10	20	40
SOM Surgery	SURG	5015	Tutorial History of Med	The student will perform research on a selected topic in the history of medicine. He/she will 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. Prerequisite: Months Offered: August through June	5	5	2	
SOM Surgery	SURG	5016	Sub Intern-Off	Increased knowledge and skills in the field of	10	10	10	80

Campus

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.

SOM Surgery	SURG	5083	General Surgery Elective	To provide freshman students with an introduction to a career in surgery. Students will interact with surgical residents and practicing surgeons from various specialties and backgrounds through guest speakers. There will be opportunity to shadow practicing surgeons to provide real time exposure to a typical day in the life of a surgeon. Students will also receive instruction on how to organize and optimize their approach to the match process.	1	1	1	1
SOM Surgery	SURG	5084	Introduction to Plastic Surger	To introduce to first year students 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.	1	1		2
SOM Surgery	SURG	5085	Pediatric Surgery	Pediatric Surgery	1	1	1	3
SOM Surgery	SURG	5086	Gastrointest Surgery Elec	This course will include a didactic and clinical experience. The student will spend one afternoon a week. The four-hour period will include one hour of lecture and three hours of clinical exposure in areas of operating room, endoscopy, intensive care, and clinical research.	1	1	1	3
SOM Surgery	SURG	5087	GI Surgery	Preceptorship to allow observation of surgical patient care, including operations and clinic.	1	1	4	4

Student will also have formal and informal lecture / teaching activity.

SOM Surgery	SURG	5098	Surgery Summer Precept	Surgery Summer Preceptorship	1	1	1	
SOM Surgery	SURG	5100	Basic Clkshp in Surgery SS	This four (4) 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. Prerequisite: Successful completion of Phase II	10	10	1	30
SOM Surgery	SURG	5280	Spinal Cord Injury Servic	Increased knowledge and skills in the field of Spinal Cord Injury (SCI) and in the care of spinal cord injured patients. The student will perform accurate and thorough history and physical examinations on Spinal Cord Injured patients and participate with increasing responsibility under supervision in the care of Spinal Cord Injured patients. Prerequisites: SUR 5000	7	7		
SOM Surgery	SURG	5300	Pediatric Surgery	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. Prerequisites: SUR 5000	7	7	20	40

SOM Surgery	SURG	5325	Thoracic-Cardiac Clerkshi	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. Prerequisite: SUR 5000	10	10	
SOM Surgery	SURG	5326	Thoracic-Card Sur Precept	Increased knowledge and skills and treatment of cardiothoracic diseases. The student will perform accurate and thorough history and physical examination on cardiothoracic patients and outpatients. Students participate with increasing responsibility under supervision in the evaluation and care of preoperative and postoperative patients Prerequisites: SUR 5000	10	10	
SOM Surgery	SURG	5350	Urology Clerkship	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. Prerequisites: SUR 5000	7	7	25

SOM Surgery	SURG	5351	Urology Off-Campus Exper	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. Prerequisites: SUR 5000	7	7		
SOM Surgery	SURG	5352	Urologic Research	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. Prerequisites: None	3	3	2	18
SOM Surgery	SURG	5375	Plastic Reconstruct Sur	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. Prerequisites: None	7	7		
SOM Surgery	SURG	5377	Plastic Surgery MMC-SAV	Increased knowledge and skills in the field of Plastic Surgery and the care of Plastic Surgery patients. The student will perform accurate and thorough history and physical examination on Plastic Surgery inpatients and outpatients. Participate with increasing responsibility under supervision in the	7	7		



responsibility under supervision in the evaluation and management of preoperative and postoperative plastic surgery patients.  
Prerequisites: Sur 5000

SOM Surgery	SURG	5378	Colorectal Surg Elec (Special)	Increased knowledge and skills in the field of colorectal surgery and in the care of surgical patients.	7	7		40
SOM Surgery	SURG	5999	Basic Clerk Remed in Surg	Remediation of the Basic Core Clerkship in in Surgery	1	1		
SOM Surgery	RSUR	5000	Surgery		27	27	10	40
SOM Surgery ENT	SURG	5250	Otolaryngology	This clerkship is designed to familiarize the student with the diseases of the ears, nose and throat with emphasis on diagnostic techniques, including physical examination techniques, radiology, audiometrics and endoscopic procedures. The student will be introduced to the principles of head and neck surgery, facial plastic surgery, endoscopy and neurotology. The utilization of the office and hospital patients will allow the student to participate in and observe the specialty of Otolaryngology. Prerequisite: None	7	7		40
SOM Surgery ENT	SURG	5251	Otolaryngology Surgery	This clerkship is designed to familiarize the student with the diseases of the ears, nose and throat with emphasis on diagnostic techniques, including physical examination techniques, radiology, audiometrics and endoscopic procedures. The student will be introduced to the principles of head and neck surgery, endoscopy and neurotology. Prerequisite: None	7	7	5	40
SOM Surgery ENT	SURG	5252	Otolaryn Off Camp Exper	Students may elect off campus experience in place of Otolaryngology in some other medical	7	7		40

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. Prerequisite: None

SOM Surgery ENT	SURG	5253	Clkshp-Otolaryn Head-Neck	Increased knowledge and skills in the field of Head and Neck Surgery and in the care of Otolaryngology patients. Prerequisite: SUR 5000	7	7		
SOM Surgery ENT	SURG	5254	Adv Clkshp Head-Neck	Note: 24 operating room hours per week and 8 hours of ward work per week. Goals: Increased knowledge and skills in the field of Otolaryngology and in the care of surgical patients; Objectives: The student will 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; Activities: Students on this elective will function as substitute interns on the Otolaryngology Service at the Medical College of Georgia. The student will function as an integral part of the service. The student is expected to initiate the clinical data base, begin diagnostic measures, and where possible, perform surgical procedures with supervision. In addition, he/she will participate in the teaching responsibilities, conferences, clinics, and operating experiences of the service to which he/she is assigned and he/she will be assigned night call responsibilities	7	7	8	16

SOM Surgery ENT	RSUR	5002	Otolaryngology		27	27	10	40
SOM Surgery Neurosurgery	NEUS	5099	Introduction to Neurosurgery	To give students exposure to the clinical and research opportunities in Neurosurgery. At the end of the elective, students will be able to obtain a complete and accurate neurological history and physical examination, present a focused and comprehensive evaluation of a patient in a clear and concise manner and demonstrate technical competencies in basic procedures relevant to the experience.	1	1		6
SOM Surgery Neurosurgery	SURG	5200	Neurosurgery Clerkship	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 he will have primary responsibility for daily care under the supervision of the senior house officer and staff of the Neurosurgery Service. He 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. Prerequisite: NEU 5000	7	7		
SOM Surgery Neurosurgery	SURG	5202	Neurosurgery Preceptorship	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. Prerequisite: NEU 5000	7	7		

THIS ELECTIVE. Prerequisite: NEU 5000

SOM Surgery Neurosurgery	SURG	5203	Neurosur Clerkship-Rsch	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. Prerequisite: NEU 5000	7	7		40
SOM Surgery Neurosurgery	SURG	5205	Pediatric Neurosurgery Clkshp	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.	7	7		
SOM Surgery Neurosurgery	RSUR	5001	Neurosurgery		27	27	10	40
SOM Surgery Neurosurgery	RSUR	5007	Neurosur Spine Fellow non ACGM	PPROF_NEUR	27	27	10	40
SOM Surgery Orthopedics	SURG	5082	Orthopedic Elective	To provide freshmen students with an introduction to a career in orthopedic surgery. Students will interact with orthopedic faculty from various subspecialties and backgrounds through guest speakers. There will be opportunity to shadow practicing orthopedists to provide real time exposure to a twoidal day in the life of an orthopedic	1	1	1	0

a typical day in the life of an orthopedic surgeon.

SOM Surgery Orthopedics	SURG	5275	Orthopedics Clerkship	Increased knowledge and skills in the field of Orthopedic Surgery and in the care of Orthopedics patients. Prerequisite: SUR 5000	7	7			40
SOM Surgery Orthopedics	SURG	5278	Orthoped OC Exper	Increased knowledge and skills in the field of Orthopedic Surgery and in the care of orthopedics patients. Prerequisites: SUR 5000	7	7			
SOM Surgery Orthopedics	SURG	5292	Ortho Research	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. Prerequisites: SUR 5000	2	2	20		40
SOM Surgery Orthopedics	RSUR	5003	Orthopedics		27	27	10		40
SOM Surgery Urology	SURG	5081	Urologic Surgery Elective	This elective is designed to familiarize first year students with one of these surprisingly attractive career tracks soon enough in their education that they do not inadvertently close the door on such opportunities before giving the option adequate consideration. While the course is focused primarily on urologic surgery, gaining an understanding of the factors involved when residency programs assess a student's the relative competitiveness and exploring avenues that can improve a student's status will benefit any residency application.	1	1	1	1	
SOM Surgery Urology	RURO	5000	Urology		27	27	10	4	40
SOM Vascular Biology	VBIO	8010	Fundamental Principles in Vas	An in-depth study of vascular biology with a focus on pathophysiological mechanisms. Vascular physiology and pathophysiology will be correlated to an integrated functional analysis of the tissue and organ level.	3	3	3	0	0

analysis at the tissue and organ level.  
 Emphasis will be given to clinical issues relevant to research in vascular biology.  
 Prerequisites: Completion of 1st year Biomedical Sciences graduate core curriculum or consent of course director.

SOM Vascular Biology	VBIO	8020	New Frontiers in Vasc Bio	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 1st year Biomedical sciences graduate core curriculum or consent of course director.	2	2	2	0	0
SOM Vascular Biology	VBIO	8130	Modern Drug Discovery / Development	This 3 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. Prerequisites: Enrolled in MCG graduate program.	3	3	3		
SOM Vascular Biology	VBIO	9010	Seminar in Vascular Bio	Weekly seminar in Vascular Biology. Typically includes 5-6 speakers from outside MCG who are world leaders in specific areas of vascular biology along with presentation of the latest work from MCG researchers. Prerequisites: Enrollment in the Vascular Biology Graduate Program.	1	1	0	30	0

SOM Vascular Biology	VBIO	9210	Investigation of a Prob	Laboratory rotation course where the student works with individual faculty members on a specific research topic. This provides as introduction to techniques utilized in the laboratory as well as in introduction to the scientific method. Prerequisites: Enrollment in Vascular Biology Graduate Program.	1	1	0	30	0
SOM Vascular Biology	VBIO	9300	Research in Vascular Bio	The student works closely with his/her 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. Prerequisites: Enrollment in Vascular Biology Graduate Program and permanent assignment to a specific laboratory with faculty advisor and defined research project.	1	1	0	0	0
SOM Vascular Biology	SGSS	8120	Cardiovas Physio & Pharma	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. Prerequisites: Satisfactory completion of the first year biomedical sciences core curriculum, or permission of the course director.	3	3	3	0	0

# MCG CATALOG

[MCG Catalog > School of Nursing](#)

## School of Nursing

Direct links to specific pages outside of the Catalog are provided here for your convenience.

### BACHELOR OF SCIENCE

- [Admissions Requirements](#)
- [Degree Requirements](#)
- [Curriculum for BSN](#)
  - [Curriculum for RN to BSN](#)
  - [Course Descriptions \(PDF\)](#)

### POST-MASTER'S CERTIFICATE

- [Acute Care Nurse Practitioner](#)
- [Clinical Translational Science](#)
- [Family Nurse Practitioner](#)
- [Nursing Informatics](#)
- [Pediatric Nurse Practitioner](#)
- [Psychiatric and Mental Health Advanced Practice Nurse](#)
- [Public/Community Health Clinical Nurse Specialist](#)

### MASTER OF SCIENCE

- [Clinical Nurse Leader](#)
  - [Admissions and Program Requirements](#)
  - [Curriculum](#)
- [Family Nurse Practitioner](#)
  - [Admissions and Program Requirements](#)
  - [Curriculum](#)
- [Neonatal Nurse Practitioner](#)



- ▣ **Nursing Anesthesia**

- Admissions and Program Requirements
- Curriculum

- ▣ **Nursing, Other**

- **Pediatric Nurse Practitioner**

- Admissions and Program Requirements
- Curriculum

## DOCTORATE PROGRAMS

- ▣ **Doctor of Nursing Practice**

- Admissions and Program Requirements
- Curriculum

- ▣ **Doctor of Philosophy in Nursing**

- Admissions and Program Requirements
- Curriculum

## RELATED LINKS

- [School of Nursing Home Page](#)
- [Course Descriptions \(Pulse\)](#)
- [School of Nursing Faculty](#)

# MCG CATALOG

[MCG Catalog](#) > [School of Nursing](#) > [Admissions Requirements](#)

## School of Nursing: BSN

### GENERAL ADMISSIONS REQUIREMENTS

- Admission is based on an overall grade point average on all attempted academic courses (minimum 2.80 GPA required for consideration) and on completion of the required [core curriculum](#). The mean GPA of recent classes has exceeded 3.50.
- SAT or ACT scores must be submitted and should either be requested from [Educational Testing Service](#) or [ACT](#), or should appear on the student's high school or college transcript (or other document submitted) for undergraduate applicants. A score of at least 450 on the SAT verbal section, or at least 18 on the English section of the ACT, is required.
- The admissions committee assesses the applicant's motivation and personal qualities needed to successfully complete the program.
- Two letters of recommendation are required.
- Applicants whose first language is not English must submit official [TOEFL](#) scores. A minimum score of 213 on the computer-based exam or 550 on the paper exam is required for admission consideration.

### APPLICATION PROCEDURES

Application forms with instructions for completing admission procedure may be obtained from the [Office of Academic Admissions](#). The application deadline for the 2008 class is December 1, 2007. Early application (by October 16, 2007) is encouraged.

#### **Immunizations**

In addition to the institutional immunization policy, students must have HBV-immunizations and PPD completed before beginning the School of Nursing program; students not completing HBV series must sign a disclaimer.

#### **Non-Degree Applicants**

A student seeking to enroll for nursing courses as a special student, non-degree seeking, should contact the [Office of Academic Admissions](#) for additional information and an application.

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# MCG CATALOG

MCG Catalog > School of Nursing > Degree Requirements

## School of Nursing: BSN

# Academic Eligibility and Progression Standards

Students in the baccalaureate nursing program must attain a cumulative GPA of 2.0 in all residence work to enter the senior year. A grade of "C" or better is required in all undergraduate nursing courses (designated NUR). In order to progress, students must achieve a minimum of "C" in each course identified as prerequisite.

Student earnings grades of "D", "F" or "WF" in a single nursing course may repeat the course one time. Students earning grades of "D", "F" or "WF" the second time the course is taken, will be academically dismissed. Upon notification of any grade of "D", "F", or "WF", the student is required to meet with the Associate Dean, Undergraduate Program, for academic advisement. A letter from the Associate Dean addressing progression in the nursing program must be signed by the student.

Students may repeat no more than one nursing course during one enrollment at the Medical College of Georgia School of Nursing. At the time of the second failure, in a nursing course, the student is academically dismissed. A student may apply for readmission one year following dismissal, in accordance with standard application procedures.

## University System and Legislative Examination Requirements<

All undergraduate students are required to meet Board of Regents and legislative examination requirements. These exams include the [Regents Testing Program Examination](#), and the examinations of the Georgia Constitution and history and the U.S. Constitution and history. CLEP exams do not meet these requirements.

## Dean's List and Honors

Qualifying undergraduate students may be designated for Dean's List and/or graduation with honors. Qualifications are stated in the MCG General Information section of this catalog.

## B.S.N. Graduation Requirements

In addition to the undergraduate graduation requirements, the following requirements have been established for the B.S.N. degree:

- A grade of C or better for all undergraduate courses designated as NUR.
- A MCG cumulative grade point average of 2.0 for all courses in residence.
- Completion of at least 30 semester hours in residence.

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## School of Nursing: Course Descriptions Fall 2007

Department	Course Subject	Course No.	Course Title	Course Description	Credit Hrs.	Bill Hrs.	Lecture Hrs.	Lab Hrs.	Other Hrs.
Nursing	NURS	6100	Pathophysiology	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.	3	3	3		
Nursing	NURS	6200	Healthcare Therapeutics	The course introduces the basic principles of clinical pharmacology and nutrition as therapeutic interventions in the health care 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.	4	4	4		
Nursing	NURS	6600	Health Care Del Models Econ Po	This course introduces the aspects of health care delivery systems, economics, ethics and policy, which serves as a foundation for	3	3	3		

understanding and applying the dynamics of these principles in clinical practice.

Nursing	NURS	6700	Nursing Therapy and Professional Nursing	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.	6	6	3	2	1
Nursing	NURS	6730	Intro to Anesthesia Nursing	The student is introduced to the role of the anesthetist as an advanced practice nurse. The course presents an overview of clinical anesthesia practice, explores of the role of the nurse anesthetist within the context of the health care system, and introduces professional behaviors expected of all advanced practice nurses to include models for critical thinking, decision making, and communication. Prerequisite: Admission to the Nursing Anesthesia Program or permission of the instructor.	2	2	2		
Nursing	NURS	6741	Anat & Phys for Nurse Anesth	Effect of anesthesia on normal adult and 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.	4	4	4		4



Prerequisite: None

Nursing	NURS	6750	Chem Phys Biochem Nur Anesthesia	Provides registered nurses with the basis for understanding the physiologic and pharmacologic principles underlying the practice of anesthesia nursing. Emphasizes concepts of chemistry, physics and biochemistry which are applicable to the clinical practice of anesthesia nursing. Prerequisite: Admission to Nursing Anesthesia Program	3	3	3	
Nursing	NURS	6761	Pharm of Anesthetic Agents	In-depth exploration of the pharmacologic properties, indications, contradictions, and interactions of drugs used in the practices of anesthesia nursing. Topics include, inhalation anesthetics, local anesthetics, narcotics, sedatives, anxiolytics, and neuromuscular blockers. Prerequisite: Admission to the Nursing Anesthesia Program	3	3	3	
Nursing	NURS	6780	Principles of Nurs Anesthe I	Provides nursing anesthesia students with the theoretical basis to administer anesthesia to patients across the life span. Building on knowledge gained in previous courses, this course will emphasize normal and abnormal physiologic conditions in the pediatric, obstetric and geriatric patient. Anesthesia principles for pain management and common surgical procedures occurring across the life span will be considered. **NOTE - A lab fee of \$1,000 for this course takes effect in Fall 2004** Prerequisite: NSG6790: Principles of Anesthesia Practice I	4	4	3	3
Nursing	NURS	6790	Principles of Nurs Anesthe II	Provides a beginning foundation for students to plan and implement nursing	5	5	4	3

anesthesia care. Topics include: pre- and post-anesthesia assessment, monitored anesthesia care, induction and maintenance of general anesthesia, and complications of anesthesia in the healthy patient. \*\*NOTE - A lab fee of \$1,000 for this course takes effect in Fall 2004\*\* rerequisite: NSG6730: Introduction to Nursing Anesthesia  
 NSG6820: Technology and Techniques for Nursing Anesthesia NSG6760: Pharmacology of Anesthetic Agents (Co-requisite)

Nursing	NURS	6800	Principles of Nurs Anesthe III	Prerequisite: NSG6780: Principles of Anesthesia Practice II Builds on previous knowledge to provide a thorough understanding of anesthesia nursing care for the patient undergoing specialized procedures and patients with altered health states. **NOTE - A lab fee of \$1,000 for this course takes effect in Fall 2004**	5	5	4	3
Nursing	NURS	6810	Technology and Technique in Nursing Anesthesia	Covers design and use of equipment common in anesthesia nursing, including hemodynamic monitors, airway management devices, anesthesia machines and mechanical ventilators.	2	2	1	3
Nursing	NURS	6820	Professional Aspects of Nursing Anesthesia	Students' understanding of a complex health care 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.	2	2	2	
Nursing	NURS	6830	Perspectives on	Requirements for comprehensive anesthesia	2	2	2	

			Rural Anesthesia	care services in rural and medically underserved communities are explored. The availability of services in selected communities are evaluated.				
Nursing	NURS	6840	Nurs Anesth Clinical Practicum	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.	1	1		1
Nursing	NURS	6850	Nurs Anesth Specialty Practicu	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.	1	1	1	
Nursing	NURS	6860	Nursing Anesthesia Rural Practicum	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.	4	4		
Nursing	NURS	6880	FNP I Hlth Promo & Prob Adlt	Prepares family nurse practitioners to assume responsibility for health promotion, disease prevention, early detection and management of common acute and chronic health problems of adults and their families in primary health care settings. Emphasizes description of the condition or disease, etiology and incidence, clinical findings, differential diagnosis, management, complications and preventive and patient education measures. Considers	6	6	3	9

cultural and ethical issues that affect health care delivery and client adherence to management plan. Uses established protocols for practice to indicate the need for consultation, referral and community resources.

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Nursing	NURS	6890	FNP II Hlth Promo & Prob Elder	Prepares 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 his family. Nurse practitioner's role in promoting successful aging, maintaining function and promoting self-care, using community, personal and family resources. Emphasizes common geriatric syndromes and problems including chronic illnesses and their management. Ethical dilemmas that impact health care of older adults are integrated throughout course.	5	5	2	9
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Nursing	NURS	6900	FNP II Hlth Promo Child & Fam	Prepares family nurse practitioners to assume responsibility for health promotion, maintenance and management of common acute and chronic health problems of infants, children and adolescents in primary health care settings. Emphasizes description of the condition or disease, etiology and incidence, clinical findings, differential diagnosis, management, complications and preventive and patient education measures. Considers cultural and ethical issues that affect health care delivery and client adherence to management plan. Uses established protocols for practice to indicate the need for consultation, referral and community resources.	6	6	3	9
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Nursing	NURS	6920	Mgmt of Chldn Acte & Com Probl	Prepares family nurse practitioners to assume responsibility for health promotion, maintenance and management of common acute and chronic health problems of infants, children and adolescents in primary health care settings. Emphasizes description of the condition or disease, etiology and incidence, clinical findings, differential diagnosis, management, complications and preventive and patient education measures. Considers cultural and ethical issues that affect health care delivery and client adherence to management plan. Uses established protocols for practice to indicate the need for consultation, referral and community resources.	6	6	3	9
Nursing	NURS	6930	Mgmt of Child Chrnc Hlth Prob	Data to enhance the direct care and management of children from birth to adolescence experiencing chronic health problems. Emphasizes P.N.P.'s role regarding management, family involvement, health promotion and teaching, health maintenance and continued collaboration with health professionals. Includes 135 hours of supervised clinical practices.	5	5	2	9
Nursing	NURS	6960	Hlth Prom Superv Brth Adolesce	This course is designed to prepare pediatric and family nurse practitioners to provide primary health care services to infants, children and adolescents in the context of their families, communities and society. Emphasis is placed on providing health maintenance, health promotion, disease prevention and health restoration services as a member of a health care team. Interprofessional collaboration and referral are integrated	4	4	2	6

throughout the course. Ninety hours of supervised clinical practice are included.

Nursing	NURS	6970	Growth & Dev across Lifespan	This course is designed to prepare advanced practice nurses to describe and analyze the cognitive and socioemotional development of individuals from birth to death. The analysis of interactions between individuals at different stages of development in families, groups and society will be emphasized.	2	2	2	
Nursing	NURS	6980	Nurse Practitioner Practicum	The nurse practitioner practicum experience provides the student an opportunity to assume responsibility for the primary health care services of individuals and families under the supervision of an established nurse practitioner and/or physician preceptor. Students will be expected to practice as a Nurse Practitioner, assuming increasing responsibility for planning and implementing therapeutic processes and for documenting and evaluating outcomes of care. This intensive practice experience allows the student to apply theories through the investigation and management of health problems in primary health care settings.	6	6	1	15
Nursing	NURS	6990	Scientific/Clinical Inquiry	This course focuses on clinical reasoning and decision-making skills. 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	2	2	2	

concepts and principles into strategies for the Clinical Nurse leader role.

Nursing	NURS	7000	Nursing Prac / Clinical Reas I	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 will be responsible for the clinical management of comprehensive client care along the continuum of care in multiple settings.	7	7	3	3	12
Nursing	NURS	7030	Hlth Care Deliv System & Models	Course provides the basis for understanding the evolving health care system and nursing's role within the system. Sociopolitical, economic, technological, and legal/ethical concerns impacting the delivery of health care in United States are emphasized.	2	2	2		
Nursing	NURS	7100	Integr Health Care: Comm Healt	This course will build on previous course knowledge and will provide a theoretical foundation in community assessment, disease prevention, and health behavior. The theoretical concepts will be 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 will be examined and synthesized utilizing hisotrical, philosophical, legal, and ethical foundations and integrated knowledge. During the clinical segment, the student will be responsible for the clinical management of comprehensive client care along the continuum of care in multiple community settings.	3	3	2		4

Nursing	NURS	7200	Directed Studies in Adv Scienc	Directed Studies in Advanced Science involves the systematic attempt to explain a phenomena of interest. It is a foundational course in seminar format that allows students to explore the scientific underpinnings of advanced nursing practice. Under the direction of their advisors, students will design a concentrated self directed learning plan based on the scientific knowledge needed for advanced practice in an area of clinical concentration or phenomenon of interest. It includes disciplinary questions while providing answers to questions that are at the core of the discipline of nursing (Meleis, 2005) and includes knowledge based on empirical evidence. Prerequisite: Graduate DNP Standing or permission of the instructor.	3	3	3	0	3
Nursing	NURS	7210	Adv Seminar Hlth Care & Econ	National, state and local health care policy impacts health care at the level of delivery. Economics is a driving force in health care that impacts policy and the manner in which health care is provided. Health care delivery models and reimbursement mechanisms will be analyzed from a policy and economic perspective. The relationship between policy, economics and patient care will be examined in areas such as the distribution of limited resources, health care disparities, diffusion of technology, and current issues in health care. Students will critically examine a clinical issue from an integrated policy and economic perspective in the form of a publishable essay.	3	3	3		3
Nursing	NURS	7215	Nursing Prac thru	The course continues to develop the clinical	5	5	2	3	8



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nursing and reasoning skills essential for the clinical nurse leader to deliver high-quality, client-focused, accountable care. As an integral part of nursing practice, the focus will continue building on health promotion, illness prevention and maintenance of the client's 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

Nursing	NURS	7220	Methods for Evidence Based Pra		3	3	
Nursing	NURS	7221	Strategic Resource Management	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 economics, organizations and systems.	3	3	3
Nursing	NURS	7222	Sys to Improve Health Outcomes	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.	3	3	3
Nursing	NURS	7223	Bioethics in Nurs and Health	Bioethical dilemmas are confronted daily across health care settings. Bioethical issues in current and future health care 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 health care. Students will critically examine an ethical issue in their speciality area with implications for the future and prepare a publishable essay.	2	2	2

Nursing	NURS	7224	Adv Seminar in Health Care Pol	National, state and local health care policy impacts health care at the level of delivery. Students will critically examine clinical issues and how health care policy impacts the outcomes. Relationships between policy and patient care will be examined in areas such as the distribution of limited resources, health care disparities, diffusion of technology, and current issues in health care. Students will critically examine a clinical issues and how health care policy impacts outcomes in a form of a publishable essay.	2	2	2	
Nursing	NURS	7225	App of Clinical Prac: Proj ID	Students who enter the DNP program will have an identified practice area. In this course students will refine specific issues realated 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 fedefine their practice as they continue through the program.	3	3	1	6
Nursing	NURS	7226	Examination of Practice	In a seminar format students will critically examine issues in nursing and health care today and explore how future directions can be impacted by nursing leadership in a collaborative environment to propositively affect outcomes for patients and their families. Students will develop an in depth evaluation of vulnerabilities and powerlessness in felation to their project population.	2	2	2	
Nursing	NURS	7230	App of Clinical Prac- Proj ID	Students who enter the DNP program will have an identified practice area. In this course students will refine specific issues related to	2	2	1	5

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.

Nursing	NURS	7235	Clinical Practice Project ID		3	3	1	6	3
Nursing	NURS	7235	Appl of Clinc Pract: Proj Dev.	In this course student swill develop their project in their parctice that will lead them to the project outcome at program completion. Students will work with their population and community resources in their area as well as discuss issues with practice leaders to develop and refine their project goals.	1	1	1		0
Nursing	NURS	7245	Clinical Prac: Project Dev	In this course students will implement their project. Students will work with their population and community resources in their area as well as discuss issues with practice leaders to implement their project. Student will analyze their progress toward acheiving their competencies.	5	5	1		12
Nursing	NURS	7245	Clinical Prac: Project Impleme		5	5	1		12
Nursing	NURS	7255	Project Evaluation/ Synthesis		5	5	3		
Nursing	NURS	7270	Bioethics in Nursing Healthcare	Bioethical dilemmas are confronted daily across health care settings. Bioethical issues in current and future health care venues will be examined in areas such as the distribution of limited resources, health disparities, genetics, informatics, scientific exploration, natient rights and priority-setting in health	2	2	2		2

patient rights, and priority-setting in health care. Students will critically examine an ethical issue in their specialty area with implications for the future and prepare a publishable essay.

Nursing	NURS	7300	Integrated Health Care MH		3	3	2	4
Nursing	NURS	7320	DNP Project (Prod Eval/Synth)	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.	3	3	3	3
Nursing	NURS	7390	Patho in Adv Practice Nurses	Course provides students with a system-focused pathophysiology course, and includes the management of common health problems, disease processes, and syndromes. The primary focus is to provide a foundation for clinical assessment, decision making, and management of individual and family health problems. The student learns to relate this knowledge to the interpretation of human responses to situational, developmental, and genetic stressors that alter biological life processes resulting in signs and symptoms indicative of illness, and in assessing the individual's response to pharmacologic management used to diagnose, treat, and palliate these illnesses.	3	3	3	
Nursing	NURS	7400	Inte HC Women		5	5	4	1 4

Child Fam Hlth

Nursing	NURS	7420	Clinical Reas & Diff Diagnosis	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.	2	2	1	3
Nursing	NURS	7430	Pharm in Adv Pract Nursing	Course focuses on increasing the knowledge base of advanced practice nurses in pharmacology and pharmacotherapeutics. Emphasis is on the pharmacotherapeutics for common acute and chronic health problems using prototype drugs within specific drug classifications. Case studies of pathophysiological disorders are discussed, along with the pharmacologic management.	3	3	3	
Nursing	NURS	7440	Theory and Research in Adv Nsg	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.	3	3	3	

Nursing	NURS	7441	Advanced Nursing Research		2	2			
Nursing	NURS	7442	Theory for APN		2	2			
Nursing	NURS	7443	Advanced Nursing Research	This course addresses the scientific methods, research, clinical and ethical issues associated with the application of evidence-based practice (EBP) to nursing and other health care problems.	2	2	2		
Nursing	NURS	7450	Adv Prac Nursing Roles	Students explore components and variations of the advanced practice role and how social policy and health care delivery influence and are influenced by the role. Legal definitions and professional interpretations of advanced practice nursing are examined in relation to health care outcomes, resource allocation and cost effectiveness.	2	2	1	5	
Nursing	NURS	7460	Diag and Clinical Reas Adv Pra	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.	2	2	1	3	
Nursing	NURS	7470	Adv Health Assessment	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	2	2	1	2	3

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 will be conducted. Interviewing skills that enable the nurse to relate to various clients across the life span will be refined.

Nursing	NURS	7500	Clinical Leadership and Management	This course presents theories, concepts and models essential to developing leadership and management skills needed to collaborate with health care 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 leadership, management, policy, resource utilization, planning/evaluating services, and outcomes are critically examined.	2	2	2		
Nursing	NURS	7520	Adv Prac Parent Child Nursing	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.	6	6	1		15
Nursing	NURS	7600	Multisyst/High Acuity Nurs Pra	This course focuses and provides the theoretical and functional base for the	3	3	2	1	

complex management of clients with complicated, multisystem health problems.

Nursing	NURS	7800	Clinical Nurse Leader Residenc	This course focuses on the synthesis of principles of professional nursing practice into the integration of the Clinical Nurse Leader role.	11	11	2		9
Nursing	NURS	7830	Found of Adv Nursing Practice	This course is designed to assist the student to develop a clear understanding of advanced practice roles, their requirements and regulations. Students will examine the advanced practice roles of educator, clinician, consultant, administrator, collaborator, researcher, advocate, change agent, entrepreneur and case manager within the context of their specific advanced practice arena. Roles issues such as fluid boundaries, role ambiguity, and interdisciplinary relationships will be explored. Professional behaviors and ethics will be discussed as a basis for professional role development.	2	2	2		
Nursing	NURS	7920	Complex Hlth Prob w Adults	This course is designed to enable students to provide research based advanced nursing practice to young, middle, and older adult populations with common complex health problems. Emphasis will be placed on complex clinical analysis to develop and monitor comprehensive, holistic plans of care/critical paths that address the health promotion, disease prevention and health restoration needs of this population. Students have opportunities in a variety of settings for variance analysis to mobilize the health care system.	4	4	2	1	6
Nursing	NURS	7930	Adlt Nurs Clinic Nurs Spec Res	This course is designed to enable the student to function efficiently as a CNS. The student	6	6	1		15



negotiates, implements and evaluates a multidimensional CNS residency in a selected health care setting. Emphasis is placed on synthesis of advanced practice roles and functions to effect change within health care systems. Students are expected to develop and work in collaborative and interdependent relationships.

Nursing	NURS	7950	Adv Acure Care in Adlt Hlth	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 subacute 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.	3	3	1	6
Nursing	NURS	7960	Adv Crit Care in Adult Health	This course is designed to enable students to acquire in-depth knowledge and skills related to adult critical care nursing specialty area. Clinical experience focuses on case management in critical 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	3	3	1	6

of adults and their families experiencing health problems within a chosen critical care 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.

Nursing	NURS	7970	Lab and Diag Tests in Adv Prac	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.	3	3	3
Nursing	NURS	7980	DNP Residency	In this series of clinical courses students demonstrate refined assessment skills and base practice on the application of biophysical, psychosocial, behavioral, sociopolitical, cultural, economic, and nursing science as appropriate in their area of specialization.	2	2	6
Nursing	NURS	7990	Independent Study	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.	1	1	1
Nursing	NURS	7991	Independent Study	This course enables the student to pursue a specified area of study which supports the	1	1	1

student's program of study. Teaching strategies include dyadic modalities; no clinical.

Nursing	NURS	7992	Independent Study	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	1	1		1
Nursing	NURS	7995	Informatics for Evidenc Bas Pr	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.	3	3	3	3
Nursing	NURS	8100	Seminar in Acad Career Dev	This course explores the multi-faceted roles of nursing faculty, with specific emphasis on career development and teaching effectiveness.	2	2		
Nursing	NURS	8500	Phil Found of Nurs Science	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.	3	3		3
Nursing	NURS	8510	Theory Dev for Health Inquire	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	3	3	3	

the development of a conceptual design demonstrating links between theoretical concepts and research processes.

Nursing	NURS	8620	Measurement in Health Rsch	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.	3	3	3
Nursing	NURS	8650	Qualitative Design Analysis	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.	3	3	3
Nursing	NURS	8850	Patient Safety and Provider Pe	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.	3	3	3
Nursing	NURS	8860	Critical Anal of Hlth Behav Th	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	3	3	3

consistency and external application to a variety of health and health care areas. Specific areas of research that were based on the theoretical perspectives will be examined and critiqued.

Nursing	NURS	8870	Theory & Research in Hlth	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.	3	3	3
Nursing	NURS	8880	Clinical Outcomes Research	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	3	3	3

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.

Nursing	NURS	9020	Seminar in Nursing	A faculty member offers a seminar on a special topic for two or more students.	1	1			1
Nursing	NURS	9240	Independent Study	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.	1	1			2
Nursing	NURS	9250	Investigation of a Problem	The student works with individual faculty members on a specific investigative research problem. The course provides an introduction to the scientific method in action. 1-12 variable credits.	1	1			1
Nursing	NURS	9300	Research Thesis	The entire research process is utilized to investigate a research question including a theoretical or conceptual framework and data collection. A standard written format for reporting of findings followed.	1	1			1
Nursing	NURS	3100	Principles of Prof Nurs Practi	This is an introductory course in health assessment and beginning principles of nursing care. Didactic classes and lab experiences provide a foundation on which students can build their professional nursing knowledge and practice. Strategies for health assessment, promotion, and basic provision of nursing care will be emphasized.	6	6	4	6	50

Nursing	NURS	3101	Found I Concepts of Prof Nurs	The purpose of this course is to explore the beginning development of professional nursing practice. Nurses' professional roles, professional values, and standards will be presented. The historical development of the nursing profession will be analyzed. Emphasis is placed on critical thinking, problem-solving, decision-making models, and the contribution of theory to nursing practice. Professional communication skills and group dynamics will be examined.	2	2	2	51
Nursing	NURS	3102	Patho and Pharm I	This course introduces the pathophysiological basis of illness and the basic principles of clinical pharmacology. The focus of this course is on compromises in the body's ability to meet its physiological needs integrated with nursing-based pharmacologic interventions in response to these compromises.	3	3	3	
Nursing	NURS	3103	Lifespan I Care of Beg Family	Examination of the health and wellness activities of individuals and their families from birth to age 20. Emphasizes theories regarding beginning families and child-rearing, well-child assessment, and common health problems in children and adolescents. Explores compromises to physical, social and mental health common during these ages and the impact of these compromises on the individual and family are explored. Professional nursing activities that promote and restore optimal health/wellness are the focal points for didactic and clinical experiences. Through the use of various problem-solving methods, students can apply didactic information in actual patient situations.	5	5	3	57

didactic information in actual patient situations and will be guided in bridging nursing theory and practice and in making decisions regarding nursing care. Clinical activities occur in a myriad of nursing practice settings which are both hospital and community-based.

Nursing	NURS	3104	Lifespan II Care of Young Fam	Examines the health and wellness activities of individuals and their families from age 20 to 45. Lifespan relevant issues such as childbearing, parenting roles, family theory, individual development and common health problems in young adulthood. Explores compromises to physical, social and mental health common during these ages and the impact of these compromises on the individual and family. Professional nursing activities that promote and restore optimal health/wellness are the focal points for didactic and clinical experiences. Through the use of various problem-solving methods, students can apply didactic information in actual patient situations and will be guided in bridging nursing theory and practice and in making decisions regarding nursing care. Clinical activities occur in a myriad of nursing practice settings which are both hospital- and community-based.	5	5	3	1	57
Nursing	NURS	3105	Fund Skills of Nursing Practic	This course introduces therapeutic skills and techniques of nursing care. Emphasis is on understanding the scientific principles that underlie the application of skills in nursing practice. Didactic classes combined with laboratory and simulation experiences provide a foundation for building professional nursing	4	4	2	6	



a foundation for building professional nursing knowledge and practice.

Nursing	NURS	3106	Health Promotion	This course focuses on health promotion and prevention of disease across the lifespan. Determinants of health and current evidence of best practice at all levels of prevention are explored. Nursing roles and strategies to guide individuals and families on ways to positively influence their own health are emphasized.	2	2	2
Nursing	NURS	3107	Health Assessment	This course introduces the knowledge and skills required to perform a systematic health assessment of individuals incorporating cultural and developmental considerations. The process of data collection, critical evaluation and documentation of assessment findings is addressed. Guided laboratory experiences develop skills necessary to perform systematic physical examinations.	3	3	2 2
Nursing	NURS	3108	Princ of Pathophysiology	The course focuses on the exploration, integration and application of pathophysiological concepts necessary to provide rationales and guidance for nursing practice. Concepts are correlated to clinical presentations of specific disease processes across the lifespan.	3	3	3
Nursing	NURS	3109	Principles of Pharmacology	The course focuses on basic principles of pharmacology and drug therapy necessary for safe nursing practice. The nursing process, health assessment, physiology and pathophysiology are integrated with pharmacology to provide the foundation for clinical practice. Drug families and prototypes are used to introduce pharmacological	3	3	3

are used to introduce pharmacological concepts.

Nursing	NURS	3110	Essentials of Nursing Practice	This course integrates the nursing process with health assessment, pathophysiology, pharmacology, and laboratory findings to provide patient and family centered care. The focus is the nurse's role as a collaborative member of the health care team. Exemplars of common health alterations are explored.	6	6	2	12
Nursing	NURS	3201	Foundations II Health Care En	This course examines the rapidly evolving field of health care and the central role of nurses as health care providers. Community based nursing practice which encompasses all health care environments is introduced. Focus is given to topics such as health care along a continuum, health care structures, and the influence of information driven and outcomes based health care systems. Nursing practice derived from national, regional, and local health priorities serve as central points for discussion. Trends which influence health and the choices people make regarding health care are explored. Students participate in learning opportunities involving analysis of practice-related issues and forecasting of trends in U.S. Health care.	2	2	2	
Nursing	NURS	3202	Patho and Pharm II	This course continues to introduce the pathophysiological basis of illness and the basic principles of clinical pharmacology. The focus of this course is on compromises in the body's ability to meet its physiological needs integrated with nursing-based pharmacologic interventions in response to these compromises.	3	3	3	

Nursing	NURS	3203	Lifespan III Mid Fami	Care of	Examines the health promotion and wellness activities of those age 45-65. Explores compromises to physical, social and mental health common during this age period and the impact on the individual and family. Professional nursing activities that promote and restore optimal health/wellness are focal points for didactic and clinical experiences. Clinical activities occur in a myriad of nursing practice settings, which are both hospital- and community-based.	5	5	3	1	6
Nursing	NURS	3204	Lifespan IV Mature Fa	Care of	Examines the health promotion and wellness activities of individuals and their families age 65 and older. Explores compromises to physical, social and mental health common during this age period and the impact on the individual and family. Focuses on lifespan-relevant issues such as loss, grief, caregiver roles and community resources. Professional nursing activities that promote and restore optimal health/wellness are focal points for didactic and clinical experiences. Clinical activities occur in a myriad of nursing practice settings, including hospital, extended care, home and community settings.	5	5	3	1	6
Nursing	NURS	3205	Nursing Care of Adults		This course focuses on the nursing care of adults with acute and chronic health conditions. The emphasis is the provision of nursing care to promote, maintain, and restore health for adults and their families.	4	4	4		
Nursing	NURS	3206	Found of Professional Nursing		This course introduces professional roles, models, values, and practice standards for the profession of nursing. History, theories and trends in nursing practice are discussed. An overview of the healthcare system is included.	3	3	3		

overview of the healthcare system is included. Ways in which nurses use evidence to guide practice, engage in critical thinking, and promote the science of nursing are introduced.

Nursing	NURS	3210	Clinical Nurs Care of Adults	This clinical course focuses on the nursing care of adults with acute and chronic health conditions. The emphasis is the provision of nursing care to promote, maintain, and restore health for adults and their families. Clinical experiences with diverse populations in actual and simulated hospital and community settings provide the opportunity for application of the nursing process.	4	4		12
Nursing	NURS	3215	Gerontological Nursing	This course focuses on promoting optimal health and examining common health alterations in older adults within the context of their families and environments. The promotion and restoration of optimal health/wellness are the focal points for didactic and clinical experiences.	3	3	2	3
Nursing	NURS	3500	Independent Study	Independent Study	2	2		
Nursing	NURS	4301	Foundations III Rsch Lgl Issu	The purpose of this course is to provide the students with opportunities to explore legal/ethical issues in nursing and the importance of research to nursing practice. Emphasis is placed on preparation for dealing with the legal and ethical problems they will be faced with in day to day nursing situations. The research process will be examined as it applies to nursing practice. The course is designed so that the student can develop critical thinking skills while analyzing case studies involving legal/ethical dilemmas and critiquing published nursing research.	3	3	3	65

Nursing	NURS	4302	Prof Nurs Management	This course focuses on health promotion, restoration and rehabilitation through application of principles of nursing practice with individuals and families experiencing complex health problems. Emphasis is on continuity of care, collaboration with the health care team and mobilization of resources for individuals and families with complex physical, mental and social health problems. Clinical experiences occur in a variety of settings.	9	9	3	1	83
Nursing	NURS	4305	Nurs Care of Women, Child, Fam	This course examines nursing care of childbearing and childrearing families within the context of families and their environments from culturally diverse backgrounds. Special emphasis is given to factors influencing conception, pregnancy, birth and childhood. The emphasis is the provision of nursing care to promote, maintain, and restore health for women, children and their families.	4	4	4		
Nursing	NURS	4306	Research Evidence Based Practi	This course introduces the processes of research in order to understand and apply research findings from nursing and other disciplines to clinical practice. Basic elements of evidence based practice and identification of potential research problems are emphasized.	2	2	2		
Nursing	NURS	4310	Clinic Nurs Women, Child, Fami	This clinical course focuses on the nursing care of women, children, and families. Clinical experiences with diverse populations in actual and simulated hospital and community settings provide the opportunity for application of the nursing process.	4	4			12

Nursing	NURS	4315	Psychiatric Mental Health Nurs	This course focuses on the constructs of mental health and mental disorders. Factors that contribute to the development, expression, and course of mental disorders are explored. Promoting health and maintaining optimal functioning is the focus of didactic and clinical experiences.	3	3	2	3
Nursing	NURS	4401	Foundations IV Lead Mgmt Comm	This course will focus on the development of knowledge and skills needed to promote health care of population groups. The course examines the impact of changes of health care on aggregate groups. Theories, concepts and models are presented and students have an opportunity to develop competencies of leadership and management needed for collaboration with community members, health care providers as well as agencies and resources in the community. The overall purpose of this course is to develop and apply creative and effective roles for managing and leading in the delivery of nursing care.	3	3	2	3
Nursing	NURS	4402	Prof Nursing Practice	This course focuses on the principles of professional nursing practice and provides the student the opportunities to synthesize and integrate previous learning experiences. The purpose of this course is to provide comprehensive clinical experiences for the student to assist in the transition from student to professional nurse.	9	9	3	18
Nursing	NURS	4405	Synthesis of Nursing Practice	This course synthesizes the skills and knowledge necessary to function as a beginning professional nurse. Ethical and legal issues and the ensuing dilemmas relevant to nursing practice are analyzed.	3	3	3	

Nursing	NURS	4406	Leadership and Management	This course focuses on leadership, management and the role of the professional nurse. Skills for being an effective leader, manager and building a successful career are discussed.	3	3	3	
Nursing	NURS	4410	Clinical Synthesis of Nurs Pra	This clinical course focuses on the synthesis of skills and knowledge necessary to function as a beginning professional nurse. Emphasis is on the continuity of care through collaboration with the health care team and mobilization of resources for individuals and families with complex health problems. Actual and simulated clinical experiences with diverse populations provide the opportunity for application of the nursing process.	5	5		15
Nursing	NURS	4415	Population and Comm Health	This course combines knowledge and skills from public health science and professional nursing practice to promote the health of populations. Emphasis is placed on partnership development and empowerment of populations for the improvement of a community's health.	4	4	3	3
Nursing	NURS	4500	Independent Study	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	1	1		1
Nursing	NURS	4501	Independent Study	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	1	1		1
Nursing	NURS	4503	Independent Study	This course enables the student to pursue a specified area of study which supports the student's program of study. Teaching	1	1		1

strategies include dadic modalities; no clinical

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Nursing	NURS	4602	Substance Abuse Nursing	This elective provides a broad overview of substance abuse and dependency as a major health problem with a central focus on nursing issues. The nursing care roles and responsibilities of these clients in the hospital and community receive primary emphasis. Attention is given to the consequences of abuse and dependency on family members and special populations. Commonly abused substances and their effects are reviewed. Students examine their personal attitudes toward substance abusers and substance-abuse disorders as health problems. Contemporary treatment philosophies to assist clients to achieve and maintain recovery are discussed. Students will attend community based support groups for the client and family. Use of the Internet may be required.	3	3	3
Nursing	NURS	4603	Nutrition in Clinical Nursing	Focuses on the nutritional needs of the client as related to alterations in health and/or environment. The influences of sociocultural and biophysical factors that impact nutrition are analyzed. Client's nutrition are critiqued to assess client needs and make referrals when appropriate.	3	3	3
Nursing	NURS	4604	Application of Diag Interpreta	This elective builds upon the basic laboratory and diagnostic information received in junior courses while, introducing deeper analysis and interpretation of these tests. Content will focus on the integration of pathophysiology, pharmacology and physical assessment as applied to laboratory and diagnostic test interpretation. Selected therapeutic modalities will also be discussed. The role of nurse in	3	3	

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preparing clients for and/or receiving them after testing will be explored, with client teaching needs integrated throughout.

Nursing	NURS	4605	Issues in Wmns Health Care	This survey course offers an introduction to students on contemporary and discussed in bi-weekly seminars in women's health. Examine society's impact on women's health and information about women's common health concerns.	3	3		
Nursing	NURS	4606	Perioperative Nursing	The purpose of this course is to introduce the student to the roles of the professional nurse in the perioperative setting. Students will have the opportunity to implement the nursing process within the preoperatives, intraoperative, postoperative and postrecovery phases of the patient's surgical experience.	3	3	2	3
Nursing	NURS	4607	Nurs Care of Client w Disaryt	EKG Interpretation and Nursing Interventions is a course designed to provide nursing students with a comprehensive understanding of normal and abnormal cardiac electrophysiology. The learner is expected to utilize knowledge obtained from the previous pathophysiology course when discussing pathology related to arrhythmias. A major emphasis will be on nursing interventions specific to the care of clients experiencing arrhythmias. Learning activities are intended to stimulate critical thinking skills and offer an appreciation towards caring for clients with dysrhythmias.	3	3	3	
Nursing	NURS	4608	Concepts of Rural Nursing	The course focuses on the organization and functioning of nursing within health delivery systems in rural areas. Emphases are placed	3	3	3	

on social, economic, and cultural variables that impact on rural health, and on the responses of rural communities, health agencies and hospitals to these unique health care needs. Students conduct a rural community assessment and develop case studies and plans of care for patients with long-term health care problems who reside in specific rural areas. A comprehensive field trip is included with presentations from a wide variety of rural health care providers.

Nursing	NURS	4609	Nursing Manag Patient w HIV	This course focuses on the nursing management of the patient with HIV disease. Its intent is to enable the beginning nursing student to identify early prodromal signs of HIV disease and to have a basic understanding of the management and treatment of opportunistic infections identify psychosocial problems and interventions associated with HIV disease, modes of transmission and safer sex behaviors. Additionally, the student will learn about historical issues of HIV disease and emerging pharmacologic treatment strategies.	3	3	3
Nursing	NURS	4610	School Health Nursing	This course will give students an opportunity to focus on the health needs of the school health population including students, parents and faculty. An aggregate approach to health promotion and disease prevention will be addressed with emphasis on primary and secondary prevention measures. Students will use health assessment and health education principles in meeting the selected needs of individuals, families and groups.	3	3	3

Nursing	NURS	4611	Entrepreneurship in Nursing	The purpose of this course is to provide the students the opportunity to explore an entrepreneurship career in nursing. Special emphasis will be placed on the learners understanding of the steps for developing, implementing, and maintaining a business including: self discovery and assessment	3	3	3	
Nursing	NURS	4612	Nurs in Human Loss & Grieving	The purpose of this course is to prepare the student to care for persons who are dying and/or grieving and/or experiencing other forms of loss. Emphasis is placed on personal growth of the students and on interventions with the patient and family. Theories and skills in working with dying persons and their families are explored. In addition, legal and ethical considerations are explored. Exercises in personal experience of loss, grief and death are conducted.	3	3	3	
Nursing	NURS	4613	Parent Child Interactions	The health care professional is introduced to quantitative and qualitative methods used to assess the vulnerability of infants, children and their families. Clinical application of assessment processes are included.	3	3	2	3
Nursing	NURS	4614	Principles of Oncological Nursing	This is an introductory course in the principals of oncology nursing. It includes pathophysiology, treatment modalities, screening modalities, side effects management, care of persons with solid tumor cancers and utilization of the nursing process in caring for adults with cancer.	3	3	3	
Nursing	NURS	4615	Complementary Healing Modaliti	This course enables the student to explore a wide variety of complementary health care measures such as herbal/therapy, acupressure and reflexology available to, and utilized by people. Students study ways to	3	3	3	

utilized by people. Students study ways to understand and work with complementary healers and practitioners. The legal and ethical problems are also investigated. Complementary modalities including home remedies are analyzed to determine their efficacy. The primary purpose of this course is to familiarize the student with complementary health care modalities and the providers that practice various modes of therapy.

Nursing	NURS	4616	Externship Care of Ill Child	This workstudy-type course provides extensive clinical opportunities dealing with hospitalized children and their families. Students apply knowledge and nursing skills in selected care settings while being employed as a patient care assistant 32 hours per week. Didactic instruction focuses upon growth, developmental and pathophysiologic issues related to common childhood disorders.	3	3	3	
Nursing	NURS	4617	Adult Nursing Externship	The purpose of this course is to provide the student with a unique learning opportunity to build on principles of nursing basic to the care of adult patients experiencing various health alterations. Students will explore selected concepts related to the care of the adult patient and use the nursing process to plan care of the patient and his/her family	3	3	2	3
Nursing	NURS	4618	Critical Care Nursing	This course provides the theoretical and functional base for the complex management of adult clients with complicated medical and surgical health problems treated in critical care settings. Fundamental concepts include an overview of the practice of critical care nursing	3	3	3	

Nursing	NURS	4619	Externship Fam Perinatal Exp	The purpose of this course provides opportunities for students to expand their knowledge base in childbearing processes, the neonatal period of family dynamics and the nursing process. Opportunities are available to increase assessment, communication, and crisis intervention skills while students are employed as a Patient Care Assistant for 32 hours per week. Current trends and issues relevant to deviations from the normal childbearing process or the normal neonatal period are investigated.	3	3	2	3
Nursing	NURS	4620	Ethical Decision Making	This course lays the foundation for collaborative interdisciplinary decision making which occurs within the context of health care. Emphasis is placed on case-study analysis and dialog between key players.	3	3	3	
Nursing	NURS	4621	Principles in Oncology Nursing	This is an introductory course in the principals of oncology nursing. It includes pathophysiology, treatment modalities, screening modalities, side effects management, care of persons with solid tumor cancers and utilization of the nursing process in caring for adults with cancer in the inpatient and outpatient oncology settings. Each clinical experience will be a precepted experience by a chemotherapy certified registered nurse or an oncology certified registered nurse (OCN, AOCN).	6	6	3	9
Nursing	NURS	4622	High Risk Neonatal Nursing	This course provides the student with information related to (1) the physiological and pathophysiological phenomena associated	3	3	2	

with the high-risk newborn; (2) clinical assessment and management of the high-risk neonate; and (3) synthesis of data for planning and providing nursing care of the high-risk neonate and family.

Nursing	NURS	4623	Spirituality in Nursing	This course will explore the relationship between spirituality and nursing and what effects the spirituality of the client and/or the nurse have upon health and healing. The student will define their own spirituality and explore the spiritual perspectives of world religions as related to healing. Other topics to be explored will include, but are not limited to, the effects of prayer and meditation on healing, life after death experiences, spirituality and dying, and the spirituality of Florence Nightingale. Interests of the class will help determine specific content within the topical outline that will be taught. The primary purpose of this course is to familiarize the student with the spiritual perspective of nursing are and assist them to identify and develop their own spiritual nursing practices.	3	3	3
Nursing	NURS	4624	Forensic Nursing Online	The purpose of this course is to explore the emerging specialty of forensic nursing. This exploration will be accomplished online as the student accesses course materials via computer. The historical and theoretical development of forensic nursing will be examined. The student will analyze the scope and standards of forensic nursing practice. Areas of specialization within forensic nursing will be addressed. Issues related to interpersonal violence and child maltreatment will be examined. The student will relate how state and federal laws may impact nursing practice and evidence collection. Emphasis	3	3	3

will be placed on the role of forensic evidence collection and documentation in all areas of nursing practice.

Nursing	NURS	4625	Perioperative Nursing Externsh	The purpose of this course is to introduce the student to the roles of the professional nurse in the perioperative setting. Students will have the opportunity to implement the nursing process within the preoperative, intraoperative, postoperative, and post-recovery phases of the patient's surgical experience. The student, employed as a Senior PCA, will demonstrate responsible work-role behaviors in the work setting.	3	3	2	3
Nursing	NURS	4626	Patient, Family & Staff Educat	This course provides an introduction to the role of the nurse as an educator. The concepts of education, which include needs assessment, program design and planning, teaching strategies, learning, and evaluation are presented. The nurse-educator role, as implemented in a variety of situations and with various age groups, also is presented. Class participants will have an opportunity to engage in a teaching-learning activity.	3	3	3	
Nursing	NURS	4627	Topics in Obsteric Nursing	The purpose of this course is to provide opportunities for students to deepen and expand their knowledge base in childbearing processes, family dynamics, and the nursing process. Theoretical information will be presented and discussed in a didactic setting. Current trends and issues relevant to deviations from the normal childbearing process will be investigated. Students also will explore the professional role of the nurse when dealing with individuals and families	3	3	3	

during the childbearing period. Specific roles to be examined are the legal and ethical responsibilities of the nurse during crisis situations.

Nursing	NURS	4628	Populations at Risk in Public	This course will focus on building and applying knowledge and skills needed for the practice of public health nursing for at-risk populations in the community. Nursing interventions related to the promotion of health of communities based on local, state and national data and priorities are emphasized. The course is intended to provide opportunities for students to use techniques of nursing leadership to collaborate with community members, and public and private partners, to identify, implement, and evaluate programs. interventions that will improve the health and well being of the community. Community-based clinical experiences allow the student to apply and demonstrate integration of knowledge and clinical skills.	3	3	2	1
Nursing	NURS	4630	HIV Mgmt in Health Care	The purpose of this course is to introduce students to the various issues related to planning/providing care for persons across the spectrum of HIV disease. Students from various schools will participate in course information within this course. Each will have the opportunity to explore links and activities specific to their discipline. This course will examine the many aspects of HIV/AIDS related to physical, psychosocial, legal, ethical, and community issues. The course will focus on the epidemiological, medical, Political/ethical, and legal trends related to HIV disease. The relationship of HIV disease	1	1		1



and immune function will be discussed. Risk behaviors and prevention techniques for HIV will be emphasized. This course will facilitate students in developing safe and compassionate care of persons with various stages of HIV disease. This is a web based course designed to enhance and facilitate student learning.

Nursing	NURS	4631	Informatics & Tech in Hlth Ca	The purpose of this online course is to explore the emerging specialty of informatics and examine the use of technology in healthcare. The theoretical development of healthcare informatics will be examined. The student will analyze the scope and standards of informatics nursing practice. Current and emerging health care technologies will be investigated with an emphasis on the actual and potential effects of these technologies on the work of nurses, the process of care and patient outcomes.	1	1		1
Nursing	NURS	4632	Profess and Leader in Nurs	This course focuses on the principles of leadership and professionalism. It will provide the participant the opportunity to explore their personal values and beliefs concerning nursing. Emphasis will also be placed on development of personal career maps, identifying goals, and how these goals can be met. The participant will develop and practice skills in assertiveness, conflict management, as well as verbal and written presentations.	3	3	3	
Nursing	NURS	4633	Trauma and Neuroscience Nur	This course provides the theoretical and functional base for the complex management of adult clients with traumatic injuries treated in the emergency and acute care settings. Functional concepts include an overview of the practice of emergency and neuroscience	3	3	3	3

the practice of emergency and neuroscience nursing; tools needed for emergency management and related nurse management.

Nursing	NURS	4634	Environmental Health	The purpose of this course is to explore the dimensions of the physical environment in which we live that have a direct bearing on the health of individual and community clients. The environment has long been recognized as a primary determinant of health. It is essential for the nurse to be able to assess and intervene when a health problem occurs or is likely to occur due to an environmentally related factor. Basic knowledge and concepts related to environmental health as well as pesific factors that need to be incorporated into assessments, education and referrals will be addressed. The role of the nurse in advocacy, ethics and risk communication will be emphasized throughout the course.	3	3	3		3
Nursing	NURS	4635	Care of the Critically Ill Chi	This course focuses on clinical decision making and nursing care of the critically ill hospitalized child and their family. The theoretical and functional basis for the management of pediatric patients with acute complicated medical and surgical health problems is provided. Prerequisite: Completion of undergraduate pediatric course.	3	3	3		3
Nursing	NURS	4636	Camp Nursing	The purpose of this course is to introduce students to the various issues related to camp nursing for children with chronic healthh problems. The course will focus on the components of specific shronic illnesses and the way in which these are managed and	3	3	3	0	0

the ways in which these are managed and integrated into a positive camp experience for children. The course will facilitate students in participating in and providing an environment that promotes the normal process of childhood for children who experience chronic health problems. Students enrolled in this elective may concurrently participate as volunteers in a camp of their choice that offers camp experiences to children and adolescents with chronic health problems. Prerequisites: Junior level courses, BCLS, Permission of faculty

Nursing	NURS	4637	International Health	The course is designed to increase awareness of the importance of cultural competence in the delivery of health care from a global perspective. With health needs expanding more rapidly than the health community's ability to service the needs, new models of "medical outreach" are urgently needed. The course will include country-specific knowledge about the most common health care threats to clients. Students enrolled in this elective may participate in a volunteer field trip experience outside the USA. Prerequisites: Junior year; or permission of instructor	3	3	3	0	0
Nursing	NURS	4638	Spanish for Healthcare Provid	This course is an intensive, interactive course for health professionals to facilitate the development of practical Spanish language skills and cultural awareness. This course builds on basic knowledge of the Spanish Language. Emphasis is on development of oral and aural communication skills for practical use of the language in health care environments. Cultural perspectives pertinent to Spanish-speaking populations are integrated throughout the course.	3	3	3	0	0

Prerequisites: Junior Status; a minimum of 4 semesters of Spanish language (High school of college level) or permission of instructor

Nursing	NURS	4639	Nursing Care of Child Hema/Onc	This course focuses on the complex nursing management of the pediatric hematology/oncology patient and their families. The emphasis is on nursing care to promote, maintain, and restore health for children and their families during all stages of treatment for cancers of blood disorders.	3	3	3	
Nursing	NURS	4991	Population Health	This course combines knowledge and skills from public health science and professional nursing practice to guide students in the promotion of population health. Through assessment and analysis of the health status of a chosen population, students intervene to influence change and promote health., Emphasis is placed on professional nursing judgment, partnership development and empowerment of populations for the improvement of the health. Students have an opportunity to develop competencies of leadership through collaboration with community leaders, decision makers, health care providers, and the people of the community. Epidemiological, educational and change models are used to design and evaluate interventions aimed at the promotion of population health.	4	4	3	
Nursing	NURS	4993	Hlth Appraisal & Promo Indiv	This online course present the knowledge and skill base for health assessment of individuals and families across the lifespan. Nursing interventions related to the promotion of health for individuals and families based on state and	6	6	4	6

for individuals and families based on state and national priorities are emphasized. Community based clinical experiences allow the student to demonstrate the integration of knowledge and clinical skills.

Nursing	NURS	4994	Synthesis in Prof Nursing	This online courses focuses on the application of professional nursing practice. Opportunities exist for students to synthesize and integrate theory in development of the professional role. Concepts related to leadership, management, policy, resource utilization, and planning/evaluating services are critically examined. Students choose a track (education, management, health policy, research or professional practice) for their clinical experience for professional development within an area of interest.	6	6	3	9
Nursing	NURS	4995	Professional Issues	This online course addresses the transition from the RN student's basic educational preparation to the baccalaureate professional practice. Concepts, issues, and theories impacting nursing and health care are analyzed. This course emphasizes professional role development and trends and predictions for professional nursing practice.	3	3	3	

# MCG CATALOG

[MCG Catalog](#) > [School of Allied Health Sciences](#) > [Biomedical and Radiological Technologies](#)

## School of Allied Health Sciences: Biomedical and Radiological Technologies

### General information

- ▣ Admissions Requirements
  - Academic Standards and Graduation Requirements
  - Course Descriptions (PDF)

### Certificate

- Diagnostic Medical Sonography
  - Curriculum
- ▣ Medical Technology
  - Curriculum
- Nuclear Medicine Technology
- Radiation Therapy Technology

### Bachelor of Science

- ▣ Diagnostic Medical Sonography
  - Curriculum
- Medical Dosimetry
  - Curriculum
- Medical Technology
  - Program Admissions Requirements
  - Curriculum (2+2 BSMT Campus)
  - Curriculum (MLT to BSMT Campus)
  - Curriculum (2+2 BSMT Internet)
  - Curriculum (MLT to BSMT Internet)
  - Curriculum (4+1 Post Bacc Certificate Campus)
- ▣ Nuclear Medicine Technology

-Curriculum

- Radiation Therapy Technology

-Curriculum

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## School of Allied Health Sciences: Course Descriptions Fall 2007

Department	Course Subject	Course No.	Course Title	Course Description	Credit Hrs.	Bill Hrs.	Lecture Hrs.	Lab Hrs.	Other Hrs.
Allied Health Sciences	SAHS	4451	Child Life Clinic I	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 health care experiences and associated coping processes, parental interactions, and children's understanding of illness/death.	10	10	3	27	0
Allied Health Sciences	SAHS	4452	Child Life Internship	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.	10	10	2	20	-
Allied Health Sciences	SAHS	4453	Life Learning Fam Environment	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.	1	1	1	0	39
Allied Health Sciences	SAHS	7003	Teaching Practicum	Develops the student's teaching skills in classroom and clinical setting. The overall goal is to enhance the impact the graduate student has on his/her students in attitudes, skills and content knowledge. The student is expected to use content from previous courses such as: curriculum development and measurement and evaluation.	1	1			

Allied Health Sciences	SAHS	7005	The Adult as Learner	Assists health care 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.	3	3	3		
Allied Health Sciences	SAHS	9200	Special Project		1	1	0	0	0
Allied Health Sciences	SAHS	9210	Investigation of a Problem		1	1	0	0	0
Biomed and Radiologic Tech	BCMB	3450	Survey of Biochemistry	A study of the chemical principles of living organisms. Includes the structure of biomolecules, energy-yielding processes, energy-requiring processes and transfer of genetic information. Prerequisite: Survey course in inorganic and organic chemistry.					
Biomed and Radiologic Tech	CLSC	3200	Library Research	Introduces the student to the use of a medical library through preparation and presentation of clinical laboratory topics.	1	1	0	0	2
Biomed and Radiologic Tech	CLSC	3240	Basic Prof Concep	Provides an introduction to the clinical pathology laboratory. The course will also cover safety, blood collection, ethics, microscopy, quality assurance, and quality control. Topics in hematology, immunology, chemistry, immunochemistry, and microbiology will be introduced.	2	2	2	0	0
Biomed and Radiologic Tech	CLSC	3250	Basic Prof Concepts Lab	Provides fundamental knowledge and technical skills necessary for student laboratory exercises and clinical experience. Lab exercises develop manual dexterity and integrate basic concepts of laboratory testing. Covers basic hematology, immunology, chemistry, immunochemistry, and microbiology testing.	3	3	0	9	0

Biomed and Radiologic Tech	CLSC	3280	Junior Clinical Practice	Students gain experience in a clinical laboratory setting, apply theory and skills acquired during two semesters of the junior year in a work environment, create a daily journal and present a final report. Prerequisite: Satisfactory completion of Junior courses Fall semester ( C grade or better)	1	1	0	0	3
Biomed and Radiologic Tech	CLSC	3441	Clinical Microbiology I	An introduction to the clinically relevant microorganisms through lecture, written assignments, and library projects.	1	1	0	0	2
Biomed and Radiologic Tech	CLSC	3442	Clinical Microbiology I	An introduction to the clinically relevant microorganisms through lecture, written assignments, and library projects.	1	1	0	0	2
Biomed and Radiologic Tech	CLSC	3443	Clinical Microbiology I	An introduction to the clinically relevant microorganisms through lecture, written assignments, and library projects. Prerequisite: Successful completion of CLSC 3240 and CLSC 3250	2	2	2	0	0
Biomed and Radiologic Tech	CLSC	3450	Clin Microbiology I Laboratory	An introduction to the clinically relevant microorganisms through laboratory studies. Prerequisites: Successful completion of CLSC 3240 and CLSC 3250	1	1	0	4	0
Biomed and Radiologic Tech	CLSC	3460	Microbio Basic Lab Technique	This course includes basic microbiology analyses in didactic and lab experiences as prerequisite to clinical microbiology internship course.	3	3	0	4	0
Biomed and Radiologic Tech	CLSC	3540	Immunology	Study of cells and organs of immune system, humoral response, and cell-mediated immunity as well as immuno pathologies of hypersensitivity, auto immunity. Application to transplanted and tumor immunology. Prerequisites: Successful completion of CLSC 3240 and CLSC 3250	3	3	3	0	0

Biomed and Radiologic Tech	CLSC	3550	Immunology Laboratory	Laboratory exercises in the immunology laboratory will focus on antigen/antibody reactions to clinical diagnostic testing. Prerequisite: Successful completion of CLSC 3240 and CLSC 3250	1	1	0	4	0
Biomed and Radiologic Tech	CLSC	3641	Lab Math and Quality Control	Practical application of laboratory mathematics and its application in reagent preparation, dilution, and calculating the concentration of analyze, etc., basic statistics; quality assurance; method evaluation; reference ranges; and diagnostic sensitivity and specificity of a laboratory test. Basic laboratory principles, safety, and chemical hygiene plan. Prerequisite: Organic Chemistry for science majors	1	1	0	0	2
Biomed and Radiologic Tech	CLSC	3642	Lab Math and Quality Control	Practical application of laboratory mathematics and its application in reagent preparation, dilution, and calculating the concentration of analyze, etc., basic statistics; quality assurance; method evaluation; reference ranges; and diagnostic sensitivity and specificity of a laboratory test. Basic laboratory principles, safety, and chemical hygiene plan. Prerequisite: Organic Chemistry for science majors	1	1	0	0	2
Biomed and Radiologic Tech	CLSC	3643	Lab Math and Quality Control	Practical application of laboratory mathematics and its application in reagent preparation, dilution, and calculating the concentration of analyze, etc., basic statistics; quality assurance; method evaluation; reference ranges; and diagnostic sensitivity and specificity of a laboratory test. Basic laboratory principles, safety, and chemical hygiene plan. Prerequisite: Organic Chemistry for science majors	2	2	2	0	0

Biomed and Radiologic Tech	CLSC	3660	Chemistry Basic Lab Technique	The course includes basic clinical chemistry analyses in didactic and lab experiences as prerequisite to the clinical chemistry internship course.	3	3	0	4	0
Biomed and Radiologic Tech	CLSC	3760	Immuno-hematology Lab Tech	Basic immunohematology analyses in didactic and lab experiences as prerequisite to clinical immuno-hematology internship course.	3	3	0	4	0
Biomed and Radiologic Tech	CLSC	3841	Hematology Fluids Review	Study of blood cell derivation, maturation, variation, physiology, and function. Also, includes the study of the diagnostic value of urine and body fluids other than blood. Prerequisite: Admission into program or permission of instructor.	1	1	0	0	2
Biomed and Radiologic Tech	CLSC	3842	Hematology and Fluids Review	Study of blood cell derivation, maturation, variation, physiology, and function. Also, includes the study of the diagnostic value of urine and body fluids other than blood. Prerequisite: Admission into program or permission of instructor.	1	1	0	0	2
Biomed and Radiologic Tech	CLSC	3843	Clin Hematology and Fluid Analysis	Study of blood cell derivation, maturation, variation, physiology, and function. Also includes the study of the diagnostic value of urine and body fluids other than blood. Prerequisites: Successful completion of CLSC 3240 and CLSC 3250	2	2	2	0	0
Biomed and Radiologic Tech	CLSC	3850	Clin Hema Fluid Analysis Lab	Study of blood cell derivation, maturation, variation, physiology, and function using laboratory experiences in hematology. Also included is the study of the diagnostic value of urine and body fluids other than blood using basic chemical analysis and microscopic examination, with related laboratory exercises. Prerequisites: Successful completion of CLSC 3240 and CLSC 3250	1	1	0	4	0

Biomed and Radiologic Tech	CLSC	3860	Hematology Bas Lab Technique	The course includes basic hematology and fluid analysis in didactic and lab experiences as prerequisite to clinical hematology internship course	3	3	0	4	0
Biomed and Radiologic Tech	CLSC	4185	Venipuncture	Demonstration sessions covering safety and professionalism, venipuncture, capillary stick, blood culture collection, isolation/ universal precautions, patient relations, pediatric patient, and blood donor policies/ procedure. Clinical experience in in-patient, and out-patient areas.	1	1	0	0	2
Biomed and Radiologic Tech	CLSC	4320	Laboratory Management Theory	Provides an overview of management theory, management of human and financial resources and management of laboratory operations. Communication skills using a variety of methods, including World Wide Web are practiced. Provides background theory for Lab Management Project, CLSC 4380.	1	1	0	0	2
Biomed and Radiologic Tech	CLSC	4380	Lab Management Project	Provides an opportunity for students to apply management theory, management of human and financial resources and management of laboratory operations to a laboratory situation and practice communication skills using a variety of methods, including the Internet, and a final written project.	1	1	0	0	2
Biomed and Radiologic Tech	CLSC	4420	Clin Microbio II Lecture	Emphasis on microbial diseases, identification procedures, and epidemiological significance. Prerequisite: Successful completion of or concurrent enrollment in CLSC 3443 or successful completion of CLSC 3441	3	3	3	0	0
Biomed and Radiologic Tech	CLSC	4430	Clin Microbio II Lab	Emphasis on procedures and techniques used to isolate and identify clinically	3	3	0	6	0

important microorganisms. Prerequisite:  
Successful completion of CLSC 3450 or  
concurrent enrollment in CLSC 3443

Biomed and Radiologic Tech	CLSC	4480	Clin Microbiology Internship	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: Successful completion of CLSC 4420 and CLSC 4430 (for On-campus students), CLSC 3460 (for 2+2 internet students) or CLSC 3441 (for MLT internet).	2	2	0	0	11
Biomed and Radiologic Tech	CLSC	4485	Clinical Microbio Internship	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: Successful completion of CLSC 4420 and CLSC 4430.	2	2	0	0	11
Biomed and Radiologic Tech	CLSC	4500	Immunology Review	Review of immunological concepts, procedures, and methods in the context of medical laboratory testing.	2	2	0	0	4
Biomed and Radiologic Tech	CLSC	4509	Introduction to Immunology	Directed independent study course designed to provide students who do not have immunology prerequisite. Provide basic understanding of the structure and function of the human immune system. Areas of study include cells and organs of the immune system, cytokine functions, the humoral response, and cell-mediated immunity. Basic immunological testing techniques and principles are also covered.	1	1	0	0	2
	CLSC	4580		Clinical application and practice of	2	2	0	0	11

Biomed and Radiologic Tech

Clinical Immunology  
Internship

immunological testing. Theory, instrumentation, quality control, work organization, and data interpretation will be presented in the context of actual patient sample testing observed and/or conducted by students under the direct supervision of qualified clinical instructors. Prerequisite: Successful completion of CLSC 3540 and CLSC 3550 (for 2+2 on-Campus students), CLSC 4500 (for 4+1 and MLT on-campus students), CLSC 4509 (for MLT Internet students), CLSC 3560 (for 2+2 Internet students).

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Biomed and Radiologic Tech	CLSC	4585	Clinical Immunology Internship	Clinical application and practice of immunological testing. Theory, instrumentation, quality control, work organization, and data interpretation will be presented in the context of actual patient sample testing observed and/or conducted by students under the direct supervision of qualified clinical instructors Prerequisites: Successful completion of CLSC 3540 and CLSC 3550 (for 2+2 on-Campus students), or successful completion of CLSC 4500 (for 4+1 and MLT on-Campus students)	2	2	0	0	11
Biomed and Radiologic Tech	CLSC	4620	Clinical Chemistry II Lecture	Course provides theoretical knowledge of the principles of analytical techniques and procedures used in a clinical chemistry laboratory. Emphasizes biochemical aspects, clinical correlation and significance. Prerequisite: CLSC 3643 (for 2+2 On-Campus students), or CLSC 3641 (for 2+2 Internet and MLT Internet students), or concurrent enrollment in CLC 3643 (for 4+1 and MLT on-Campus students).	3	3	3	0	0

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Biomed and Radiologic Tech	CLSC	4630	Clinical Chem II Laboratory	Provides students with practical experience of various analytical techniques used in clinical chemistry laboratory, including major analytical techniques covered in spectrophotometric analysis of various analytes in blood. Students also prepare reagents, buffer solutions and standards for chemical analysis. Student will also perform electrophoretic and chromatographic techniques. Students will also learn point of care testing and cholesterol screening on patient samples. Prerequisite: Successful completion of CLSC 3643 (for 2+2 On-campus students), or concurrent enrollment in CLSC 3643 (for MLT On-Campus students and 4+1 students).	3	3	0	6	0
Biomed and Radiologic Tech	CLSC	4680	Clinical Chemistry Internship	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: Successful completion of CLSC 4620 and CLSC 4630 (for On-campus students), CLSC 3660 (for 2+2 Internet students), CLSC 3641 (for MLT Internet students).	2	2	0	0	11
Biomed and Radiologic Tech	CLSC	4685	Clinical Chemistry Internship	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: CLSC 4620 and CLSC 4630	2	2	0	0	11
Biomed and Radiologic Tech	CLSC	4720	Immuno-hematology	Application of basic immunological concepts to the study of red cell antigens and antibodies in relation to compatibility testing for transfusion of blood products. Prerequisite: Successful completion of CLSC 3643 (for 2+2 On-campus students), or concurrent enrollment in CLSC 3643 (for MLT On-Campus students and 4+1 students).	3	3	3	0	0

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. Prerequisites: Successful completion of CLSC 3540 and CLSC 3550 (for 2+2 On-Campus students), or concurrent enrollment in CLSC 4500 (for 4+1 and MLT on-campus programs), or successful completion of CLSC 4509 (for MLT Internet students), or successful completion of CLSC 4500 (for 2+2 Internet students).

Biomed and Radiologic Tech	CLSC	4730	Immuno-hematology Laboratory	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 properties. Prerequisites: Successful completion of CLSC 3540 and CLSC 3550 (for 2+2 on-campus students), or concurrent enrollment in CLSC 4500 (for 4+1 and MLT on-campus programs).	3	3	0	6	0
Biomed and Radiologic Tech	CLSC	4780	Clin immuno-hematology Intern	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. Prerequisites: Successful completion of CLSC 4720 and CLSC 4730 (for On-campus students), CLSC 3760 (for 2+2 Internet	2	2	0	0	11

students), CLSC 4509 (for MLT Internet students).

Biomed and Radiologic Tech	CLSC	4785	Clinical Immuno Internship	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. Prerequisites: Successful completion of CLSC 4720 and CLSC 4730.	2	2	0	0	11
Biomed and Radiologic Tech	CLSC	4800	Basic Hema Fluid Analysis	Introductory lecture/lab experiences in hematology and fluid analysis. Study of blood cell derivation, maturation, physiology, and function with emphasis on normal blood and bone marrow morphology. Urine and other body fluids examined using physical, chemical, and microscopic methods. Laboratory sessions develop skills in routine hematology and fluid analysis.	2	2	1	3	0
Biomed and Radiologic Tech	CLSC	4820	Advanced Hematology	Correlation of hematological and tests hemostasis with other clinical findings in the diagnosis of various blood dyscrasias and hemostatic disorders are discussed and emphasized with case study materials. Prerequisites: Biochemistry, CLSC 3843 and CLSC 3850 (for 2+2 On-Campus students), CLSC 3841 (for 2+2 Internet students and MLT Internet students), and concurrent enrollment in CLSC 4800 (for 4+1 students and MLT on-Campus Students).	3	3	3	0	0
Biomed and Radiologic Tech	CLSC	4830	Advanced Hematology	Laboratory experiences are conducted in hematology and hemostasis. Tests results	3	3	0	11	0

Laboratory are correlated with other clinical findings in the diagnosis of various blood dyscrasias and hemostatic disorders. Prerequisites: Biochemistry, CLSC 3843 and CLSC 2850 (for 2+2 On-campus students) and concurrent enrollment in CLSC 4800 (for 4+1 students and MLT On-Campus students).

Biomed and Radiologic Tech	CLSC	4880	Clinical Hematology Internship	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: Successful completion of CLSC 4820 and CLSC 4830 (for On-campus students). CLSC 3850 (for 2+2 Internet students), or CLSC 3841 (MLT Internet students).	2	2	0	0	11
Biomed and Radiologic Tech	CLSC	4885	Clinical Hematology Internship	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: CLSC 4820 and CLSC 4830.	2	2	0	0	11
Biomed and Radiologic Tech	CLSC	4900	Independent Study	General laboratory science related projects.	1	1			
Biomed and Radiologic Tech	MTCC	4420	Clin Microbio II Lecture		3	3	3	0	0
Biomed and Radiologic Tech	SAHS	3610	Ethics for Health Professionals	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.	1	1	1	0	0

Biomed and Radiologic Tech	SAHS	3620	Principles of Education	Introduces basic principles of educational design with application to patient education, staff development, continuing education and clinical education.	1	1	0	0	2
Biomed and Radiologic Tech	SAHS	4300	Professional Issues	Introduction to current critical issues impacting allied health science; the role of the allied health professional within the health care system and its relationship to other health care disciplines. Prerequisite: Enrollment in an allied health science discipline or permission of instructor.	1	1	1	0	0
Health Informatics	HINF	3000	Legal Aspects & Ethics	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 health care setting.	1	1	3	0	0
Health Informatics	HINF	3001	Quality in Healthcare	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 health care settings.	1	1	3	0	0
Health Informatics	HINF	3003	Intro Health Info Sys	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.	1	1	3	0	0

Health Informatics	HINF	3004	Sys Analysis and Design	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.	1	1	3	0	0
Health Informatics	HINF	3005	HIA Practicum	This course integrates didactic and workplace experience to create a structured environment which allows the student to gain practical experience in health information management.	2	2	0	0	4
Health Informatics	HINF	3006	Off Admin HLT Info Mangt	This course integrates didactic and workplace experience to create a structured environment which allows the student to gain practical experience in health information management.	1	1	3	0	0
Health Informatics	HINF	3007	CPT HCPCS Cod & Reim Ess	Students will be instructed in CPT/HCPCS coding. Students will learn the fundamentals of reimbursement processes as they relate to coding, documentation, and regulations set forth by various federal agencies and managed care organizations.	1	1	1	1	0
Health Informatics	HINF	3101	Management Principles	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 systems management and techniques of systems analysis. Includes office ergonomics, information management, and equipment procurement.	4	4	3	2	0
Health Informatics	HINF	3102	Human Resource	A comprehensive human resource	4	4	3	2	0

Management 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

Health Informatics	HINF	3103	Managerial Practicum	Students work in a designated health record department to complete assigned management projects related to the basic functions of a health record department.	2	2	0	4	0
Health Informatics	HINF	3199	Introduction to Public Health	This course will cover topics of public health and newly emerging public health content areas.	2	2	0	0	2
Health Informatics	HINF	3206	Intro to Health Info Management	Principles of gathering, manipulating, classifying, storing, and retrieving health data.	3	3	2	2	0
Health Informatics	HINF	3207	Hlthcare Stats Data Mgmt	Methods utilized to transform health data into information. Fundamental procedures in collecting, summarizing, analyzing, presenting, and interpreting data . Includes acceptable terminology, definitions and formulas necessary to compute common health care statistical reports.	2	2	2	0	0
Health Informatics	HINF	3208	Record Processing Practicum	Provides a structured environment in which students gain practical experience in designated health record departments. Supports technical and conceptual skill development by providing the students the opportunity to observe and perform various functions common to most health record departments.	2	2	2	0	0
Health Informatics	HINF	3312	Medical Terminology	Introduction to the language used in health care. Emphasis on word components	2	2	2	0	0

(combining forms, prefixes, and suffixes),  
pronunciation, and writing exercises.

Health Informatics	HINF	3314	Pathophy & Essen of Pharm	Course presents disease processes in the human body, diagnostic techniques, and treatment methods. Basic principles of pharmacology drug classifications, and commonly used drugs are introduced.	5	5	4	2	0
Health Informatics	HINF	3415	Health Data Class & Coding Sys	Students will be instructed in ICD-9-CM diagnostic and procedural coding and introduced to ICD-10-CM and ICD-10-PCS coding classifications. Students will learn coding fundamentals and apply coding skills using case studies and encoders. Ethical coding principles will be emphasized.	4	4	3	2	0
Health Informatics	HINF	3516	Computer Fund Hlth Care	Introduces students to computer concepts of hardware, software, the Internet, and uses of computers in health care. Students will demonstrate proficiency in use of word processing, spreadsheet, and graphics application software and the Internet through lab exercises and assignments.	4	4	3	2	0
Health Informatics	HINF	3517	Intro Dtbas Desgn Health Info	Introduces databases and allows students to demonstrate proficiency through "hands-on" database design. Provides an introduction to health information systems and healthcare technology with discussion of current applications and trends in health care.	4	4	3	2	0
Health Informatics	HINF	4104	Budget & Finance	Basic hospital financial principles and tools. Fundamentals of hospital financial decision-making and the budgeting process.	3	3	3	0	0
Health Informatics	HINF	4105	Management Capstone	This applications course guides students through independent and group activities	2	2	0	4	0



designed to the management skills developed in the prerequisite courses. Special emphasis is placed on leadership skills and creative problem solving in a health care setting.

Health Informatics	HINF	4209	Legal Aspects and Ethics	Overview of the law and its administration as it applies to questions of policy and procedure development for health data requirements in a health care setting. Includes basic ethical principles and situations of ethical dilemma, and ethical decision-making processes.	2	2	2	0	0
Health Informatics	HINF	4211	Health Care Delivery System	Designed to familiarize the student with various nontraditional health care settings in order to develop the knowledge and skills necessary for assisting in the development and evaluation of health information practice in those settings.	2	2	2	0	0
Health Informatics	HINF	4212	Quality Management	Introduces concepts in quality management.	3	3	5	0	0
Health Informatics	HINF	4416	Pro Coding & Principles of Reimbursement	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	3	3	2	2	0
Health Informatics	HINF	4518	Adv Dtbas Design his Analy	Emphasizes health care systems analysis and design principles through use of lecture, case studies, and projects. System evaluation, selection, and security are also emphasized.	4	4	3	2	0
Health Informatics	HINF	4519	Systems Design Implementation	A project-based course demonstrating student proficiency in systems design and implementation principles. Students design and develop a health information system using database application software. Project management, database management, and team-building skills are emphasized and	2	2	1	4	0

team building skills are emphasized and demonstrated.

Health Informatics	HINF	4722	Administrative Practicum	A six-week administrative affiliation in selected hospitals. Students, in addition to "shadowing" the department director, are actively involved in projects which use the skills which they have developed through the curriculum.	9	9	0	40	0
Health Informatics	SAHS	3660	US Health Care Delivery System	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.	1	1	3		
Health Informatics	IMPH	7101	Health Care Mgmt Principles	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.	3	3	3		

Health Informatics	IMPH	7102	Human Resources Management		3	3	3		
Health Informatics	IMPH	7104	Healthcare Financial Management	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 health care 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 health care finance. Consistent with the emphasis on "real world" practice and application, guest lecturers from the field are scheduled throughout the course. Students will apply knowledge in a budget preparation exercise.	3	3	3		
Health Informatics	IMPH	7209	Health Law and Ethics	Overview of the law and its administration as it applies to questions of policy and procedures development for health data requirements in a health care setting. Includes basic ethical principles and situations of ethical dilemma and ethical decision-making processes.	3	3			
Health Informatics	IMPH	7210	Healthcare Performance	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.	3	3	3		
Health Informatics	IMPH	8000	Computerized Health Info	This course explores information systems theory, current and emerging technology, applications in the healthcare industry, health	3	3	3	0	0

information systems strategic planning, and computer-based patient record theory

Health Informatics	IMPH	8001	Public Health Informatics	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 collections, automation of information technology, and public health professional knowledge as a component of evidence-based practice	3	3	3	0	0
Health Informatics	IMPH	8100	Healthcare Info Requirements	Healthcare information standards are addressed with emphasis on current healthcare regulations and standards. The effective use of networks to share health care data is explored; emphasis is placed on developing the expertise to apply standards effectively in a health care facility to achieve full integration of organizational health information systems.	3	3	3		
Health Informatics	IMPH	8200	Healthcare Data Content	This course teaches the skills necessary for identifying and using appropriate clinical classifications systems and medical vocabularies within health information systems.	3	3	3		
Health Informatics	IMPH	8400	Health Data Mgmt and Knowledge	This course focuses on the acquisition and use of patient level data to support population, administrative and clinical decision-making in health care 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.	3	3	3		

Health Informatics	IMPH	8500	Health Information System Anal	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 health care organization.	3	3	3		
Health Informatics	IMPH	8600	Fundamental of Health Promo	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.	3	3	3		
Health Informatics	IMPH	8700	Intro to Environmental Health	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	3	3	3	0	0
Health Informatics	IMPH	8722	Internship	All MPH degree candidates in the informatics MPH programs are required to complete a minimum of 2 credit hours (on average 20 hours per week for 10 weeks) in a summer internship experience. The summer internship is a field experience which integrates professional academic preparation and public health practice. Public health and health informatics knowledge and skills taught in the core and discipline-specific courses are used in an organizational setting	2	2	2		

under the supervision and guidance of an experienced preceptor. A faculty internship advisor will assist the student in locating a position. At the completion of the internship, the student will provide a final report to document the practicum. Under certain circumstances, the internship requirement may be waived for some students.

Health Informatics	IMPH	8800	Health Decision Support System	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.	3	3	3		
Health Informatics	IMPH	8999	Capstone Course	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.	3	3	3		
Medical Illustration	MILL	6650	Med Illustration Tech 1A	An introduction to techniques and media of the medical illustrator, including line,	3	3	1	8	0

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.

Medical Illustration	MILL	6651	Med Illustration Tech 1B	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.	3	3	1	8	0
Medical Illustration	MILL	6658	Tri-Dimensional Technique	An introduction to the techniques and media used in creating and producing three-dimensional bioscientific materials, include facial prosthetics.	3	3	1	8	0
Medical Illustration	MILL	6670	Electronic Media I	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.	3	3	1	8	0
Medical Illustration	MILL	6671	Electronic Media II	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.	3	3	2	4	0
Medical Illustration	MILL	6680	Surgical Techniques	An orientation to surgery in which the student performs several procedures on laboratory animals, utilizing standard equipment, materials and techniques.	2	2	1	2	0
Medical Illustration	MILL	6780	Surgical Techniques	An orientation to surgery in which the student performs several procedures on laboratory animals, utilizing standard equipment, materials and techniques.	2	2	1	2	0

materials and techniques.

Medical Illustration	MILL	7651	Surg Observ Sketching II	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.	2	2	0	8	0
Medical Illustration	MILL	7661	Med Illust Tech 2B	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.	3	3	1	8	0
Medical Illustration	MILL	7671	Multimedia II	Advanced concepts and techniques of computer animation and internet graphics, with emphasis on production of a interactive title.	3	3	2	4	0
Medical Illustration	MILL	8020	Learning Resource Management	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.	2	2	1	4	0
Medical Illustration	MILL	9210	Investigation of a Problem	Independent study demonstrating competency in creating and producing bioscientific images for visual communication media in specific technique and subject matter areas.	2	2	0	0	0
Medical Illustration	MILL	7650	Surg Observ Sketching I	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	3	3	1	8	0



and 0210.

Medical Illustration	MILL	7660	Med Illust Tech 2A	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.	3	3	1	8	0
Medical Illustration	MILL	7670	Multimedia I	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.	3	3	2	4	0
Medical Illustration	MILL	9250	Master's Project	A visual presentation of a bioscientific subject prepared in partial fulfillment of the requirements for the degree of Master of Science in Medical Illustration.	1	1	0	0	0
Occupational Therapy	OTHP	6000	Fieldwork 1A	Application of the knowledge and skills learned in first semester graduate occupational therapy coursework. Prerequisites: Graduate admission to the MHS in OT degree program.	1	1	0	0	3
Occupational Therapy	OTHP	6001	Fieldwork 1B	Application of the knowledge and skills learned in second semester graduate occupational therapy coursework. Prerequisites: Graduate admission to the MHS in OT degree program; completion of 1st semester courses; successful completion of Fieldwork I A	1	1	0	0	3
Occupational Therapy	OTHP	6002	Fieldwork 1C	Application of the knowledge and skills learned in third semester graduate occupational therapy coursework. Prerequisites: Graduate admission to the MHS in OT degree program; completion of 2nd semester courses; successful completion	1	1	0	0	3

2nd semester courses, successful completion of Fieldwork 1 A and 1 B

Occupational Therapy	OTHP	6003	Fieldwork 1D	Application of the knowledge and skills learned in fourth semester graduate occupational therapy coursework. Prerequisites: Graduate admission to the MHS in OT degree program; completion of 3rd semester courses; successful completion of Fieldwork 1A, 1B & 1C	2	2	0	0	6
Occupational Therapy	OTHP	6103	Prof Foun Therapeutic Occ	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. Prerequisites: Admission to the graduate Master of Health Sciences program.	2	2	2	0	0
Occupational Therapy	OTHP	6104	Occ Therapy Models of Reason	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. Prerequisites: Graduate admission to the MHS in OT degree program.	3	3	2	2	0
Occupational Therapy	OTHP	6106	Dev of Lifespan Occupations	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 emphasized. Emphasis is placed on analysis and synthesis of	3	3	2	2	0

on analysis and synthesis of interrelationships of occupation and development. Prerequisites: Graduate admission to the MHS in OT degree program.

Occupational Therapy	OTHP	6203	Occ Adapt Assistive Tech	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. Prerequisites: Graduate admission to the MHS in OT degree program, completion of 1st semester coursework or permission of instructor/Chair.	3	3	2	1	3
Occupational Therapy	OTHP	6204	Movement Analysis	Integration of motor control and motor learning approaches related to occupational therapy intervention. 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 performances. Prerequisites: Graduate admission to the MHS in OT degree program; completion of 1st semester courses or permission of Instructor/Chair.	3	3	1	2	0
Occupational Therapy	OTHP	6205	Applied Kinesiology	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. Prerequisites: Graduate admission to the MHS in OT degree program;	4	4	2	2	0

completion of 1st semester courses or  
 permission of instructor/Chair

Occupational Therapy	OTHP	6206	Adult Eval & Intervention	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.	6	6	2	9	
Occupational Therapy	OTHP	6304	App Concepts Wellness Illness	A critical analysis of the promotion of health and wellness and the body's response to stress, illness or injury across the lifespan. Physiological concepts, systems and processes related to systems, maturation, and healing pertaining to rehabilitation models of practice are included. Includes current health care trends, coding, pharmacological practices and evidence for evaluation and intervention. Examines the use of World Health Organization classifications and the implications on occupation. Prerequisites: Graduate admission to the MHS in OT degree program.	3	3	3	0	0
Occupational Therapy	OTHP	6313	Mental Health Programming	Application of critical reasoning and selected theories and intervention approaches for mental health. Includes principles of health	3	3	2	2	0

promotion, occupationally based intervention models and the application of selected individual and/or group programming within various health and community based settings. Therapeutic use of self, conflict management and an understanding of cultural diversity are emphasized. Prerequisites: Graduate admission to the MHS in OT degree program.

Occupational Therapy	OTHP	6343	Adult Models of Practice	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 community, private contracting, skilled nursing facilities, and home health. Prerequisites: Graduate admission to the MHS in OT degree program; completion of 2nd semester coursework; or permission of instructor/chair.	3	3	2	2	0
Occupational Therapy	OTHP	6404	Pediatric Eval & Intervention	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.	4	4	2	5	

Occupational Therapy	OTHP	6604	Pediatric Eval & Intervention	<p>Selection and application of the appropriate assessments and interventions the occupational therapy process with the 0-21 client population. Emphasis is placed on analyzing atypical development, acquisition of occupational roles and pediatric approaches. Use of client and family-centered care is implemented in a variety of settings and reimbursement models. Collaboration &amp; advocacy within interdisciplinary teams is included.</p> <p>Prerequisites: Graduate admission to the MHS in OT degree program; completion of 3rd semester coursework; or permission of instructor/Chair</p>	3	3	2	2	0
Occupational Therapy	OTHP	6606	Adult Eval & Intervention	<p>Occupationally based theories and evidenced-based approaches for the selection and application of family and client centered care. Use of appropriate assessments &amp; 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.</p> <p>Prerequisites: Graduate admission to the MHS in OT degree program; completion of 3rd semester coursework; or permission of instructor/Chair</p>	5	5	3	4	0
Occupational Therapy	OTHP	6608	Worker Role & Ergonomics	<p>Study of work and ergonomic principles to enhance occupational performance. Emphasis is on program design and</p>	3	3	2	2	0

implementation of outcome based work related programs. Settings include clinics, private practice, community, and the industrial work place. Regulatory guidelines are included. Prerequisites: Graduate admission to the MHS in OT degree program; completion of 3rd semester coursework; or permission of instructor/Chair

Occupational Therapy	OTHP	6704	Prof Issues and Serv Mgmt	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.	4	4	3	2	
Occupational Therapy	OTHP	6708	Prof Issues and Service Mgmt	Application of administrative and professional leadership processes including standards of practice and competencies, needs assessments, program development, outcome management, reimbursement, ethics, accreditations, policy and trends in health care. Includes management process, advocacy and promotion. Personal professional development and competency are included. Prerequisites: Graduate admission to the MHS in OT degree program; completion of 5th semester coursework; or permission of instructor/Chair	3	3	3	0	0
Occupational Therapy	OTHP	6854	School Systems	Advanced studies in school based settings emphasizing regulatory guidelines, roles, IEPs, and delivery of services within an intra and inter-disciplinary delineation, equipment and accessibility considerations, documentation, client and family centered	3	3	2	2	0

documentation, client and family centered care and consulting are included.  
 Prerequisites: Graduate admission to the MHS in OT degree program; completion of 3rd semester coursework; or permission of instructor/Chair

Occupational Therapy	OTHP	6900	Investigation of a Problem	Student investigation of a topic of interest or need. Prerequisites: Graduate admission to the MHS in OT degree program; permission of Chair or instructor	1	1	1	0	0
Occupational Therapy	OTHP	6901	Sensory Integ Adv Topic in Ped	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. Prerequisites: Graduate admission to the MHS in OT degree program; permission of Chair or instructor.	3	3	3	0	0
Occupational Therapy	OTHP	6904	Vestibular Rehab	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. Prerequisites: Graduate admission to the MHS in OT degree program; permission of Chair or instructor	3	3	3	0	0
Occupational Therapy	OTHP	6906	Cognitive Rehabilitation	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	3	3	3	0	0



adaptation are analyzed. Prerequisites:  
Graduate admission to the MHS in OT  
degree program; permission of the instructor  
or Chair

Occupational Therapy	OTHP	6907	Adv Musculo Inves of Upper Ext	Application of specialized musculoskeletal evaluation and intervention strategies for upper extremity impairments. Prerequisites: Graduate admission to the MHS in OT degree program; permission of the Chair or instructor	3	3	0	0	0
Occupational Therapy	OTHP	6908	Adv Splint Hand & Up Ext Rehab	Design and fabricate splints for complex upper extremity impairment Prerequisites: Graduate admission to the MHS in OT degree program; permission of Chair or instructor	3	3	3	0	0
Occupational Therapy	OTHP	6909	Ergonomics	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. Prerequisites: Graduate admission to the MHS in OT degree program; permission of Chair or instructor	3	3	3	0	0
Occupational Therapy	OTHP	7009	Fieldwork Experience A	Full-time 12 week fieldwork experience applying clinical reasoning in a practice environment.	9	9			40
Occupational Therapy	OTHP	7010	Fieldwork 2 Experience B	Full-time 12-week fieldwork experience allowing critical reasoning within a practice setting. Prerequisites: Graduate admission to the MHS in OT degree program; completion of 4th semester academic course coursework; or permission of Fieldwork Coordinator/Chair	9	9	0	0	40

Occupational Therapy	OTHP	7109	Fieldwork Experience B	Full-time 12 week fieldwork experience applying clinical reasoning in a practice environment.	9	9	0	40	
Occupational Therapy	OTHP	7303	Contemporary Practice in OT	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.	3	3	1	6	
Occupational Therapy	OTHP	7304	Contemporary Practice	Normal and abnormal development of the population age 22 and older with an emphasis on the interrelationship of occupational performance components, areas, and contexts. Special emphasis is placed on adult developmental theory, theories of aging, role transitions, prevention and wellness concepts; sports/leisure related practice areas, and older adult practice issues. Models of practice within various reimbursement systems and environments are explored. Includes Level I fieldwork. Prerequisites: Graduate admission to the MHS in OT degree program; completion of 2nd semester coursework; or permission of instructor/Chair	2	2	1	0	3
Occupational Therapy	OTHP	7600	Elective Fieldwork	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. Prerequisites: Graduate admission to the MHS in OT degree program; permission of Chair or instructor	1	1	1	0	0

Occupational Therapy	SAHS	6501	Evidence Based Practice	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.	2	2	1	2	0
Occupational Therapy	SAHS	6503	Research Process	Investigation of qualitative, quantitative, and applied statistical methods for clinical and professional studies or projects. Application of evidenced based research and completion of HAC proposals and approval processes. Emphasis is placed on ethical and procedural requirements for responsible research/scholarship. Prerequisites: Graduate admission to MHS; permission of instructor/Chair	3	3	2	2	3
Occupational Therapy	SAHS	6524	Project Development	Development of a scholarly research process including HAC approvals. Engagement in an active scholarly pursuit. Research methods and applications are included. Prerequisites: Graduate admission to the MHS program; completion of the 3rd semester permission of instructor/Chair	2	2	0	4	0
Occupational Therapy	SAHS	6532	Research Investigation	Successful completion of fourth semester coursework. Prerequisites: Graduate admission to the MHS in OT degree program; permission of Chair or instructor	2	2	0	4	0
Occupational Therapy	SAHS	7533	Research Thesis	Completion of research assignment and presentation of results to professionals and peers. Publication guidelines are examined.	3	3	1	4	
Occupational Therapy	SAHS	7541	Data Outcome Analysis	Methods and resources to analyze and interpret data are included. Implications of results are identified and prepared.	1	1	0	2	0

Occupational Therapy	SAHS	7705	Neuroscience Applications	Study of neuroanatomy, neurophysiology and applied neuroscience principles in the promotion of health and wellnes and the recovery from illness and/or injury. Prerequisites: Graduate admission to the MHS in OT degree program; completion of 1st semester coursework and/or permission of instructor/Chair	3	3	3	0	0
Physical Therapy	NDPT	7111	Gross Anatomy & Embryology	This course begins with foundational concepts in vertebrate embryology and development. Upon that foundation and in-depth regional study of the human body emphasizing musculoskeletal, neuromuscular and cardiopulmonary systems plus gross surface anatomy features is methodically explored. Students will examine strucutral interrelationships as a basis for normal function, and will engage in directed laboratory experiences with cadaver dissection, skeletal materials and models plus other proven learning activities such as student presentations of clinical problems illustrating anatomincal principles, and student presentations of cadaver pro-sections. Prerequisite: Admission to DPT Program	7	7	8	9	
Physical Therapy	NDPT	7121	Medical Terminology	Medical Terminology is specifically designed to meet the needs of students in medical, biological, and health-related programs and provides them with a working knowledge of medical vocabulary using a systems approach. This course provides a study of words sthat pertain to body systems, anatomic structures, medical processes and procedures, and a variety of diseases. Medical terminology is a specialized language for the health care team so they may communicate in a concise and accurate	1	1			

way. Prerequisite: Admission to DPT program.

Physical Therapy	NDPT	7131	Clinical Histology	An in depth study of clinical histology particularly as it relates to the organs of the musculoskeletal, neural, integumentary and cardiopulmonary systems. Their structural interrelationships, as a basis for normal and pathological conditions, and thoroughly explored. Emphasis is placed on connective tissue and muscular structures and their responses to stress and inflammation. Instructional sessions will also intetrate rationale of treatment of pathological conditions specific to connective tissue changes. Prerequisites: Admission to DPT Program	3	3	5	
Physical Therapy	NDPT	7141	Clin Phy I: Medical Physiology	This course provides the physiological knowledge base for understanding homeostatic mechanisms and interaction of organ systems required of every physical therapist. Mechanisms of control and regulation of cardiopulmonary function, pain, edema, inflammation, stress, immobility, lymphatic function, temperature regulation, gastrointestinal functions, endocrineand autonomic nervous styem effects are emphasized. A basic introduction into the principles of pharmacology is is also provided. Each physiological process is studied wit particular emphasis on changes that occur secondary to variables such as injury, disease, age, environment, and gender. This course is first in a series of two clinical physiology courses in the curriculum. Prerequisite: Successful completion of Semester I courses.	4	4	4	2

Physical Therapy	NDPT	7151	Clinical Physiology 2	This course is designed to assist the student to understand the physiological processes that underlie the role and effects of exercise as it relates to health, pathology, culture, age, gender, and restoration of function. Emphasis is placed on muscle cell physiology, cardiovascular responses, and oxygen transport in response to changes in metabolic demand, exercise training, and detraining. Principles of therapeutic exercise, using a case study and lab approach, will provide students with foundational knowledge for safe implementation of a variety of general exercise programs.	4	4	2	4	
Physical Therapy	NDPT	7161	Clinical Kinesiology	This course will cover mechanical and functional analysis of the axial and appendicular skeletal movement. Normal and abnormal human sensorimotor function will be analyzed with specific emphasis on normal and pathological gait analysis, and workplace ergonomics.	4	4	4		
Physical Therapy	NDPT	7171	Neuroscience 1	A detailed study of central and peripheral nervous system of the human, including phylogeny, developmental anatomy, microanatomy, gross anatomical consideration, and internal structures and organization. The focus will be on structures and relationships underlying behavior, particularly perception, intellect and motor control. Selected pathological conditions will be considered to illustrate the relationship between structure and behavior, both normal to normal and pathological nervous system function and dysfunction will be considered. Directed laboratory experiences using cadaveric tissue, images of sectioned tissue, and models will be included. Prerequisites: Successful completion of Semester I	4	4	4	0	0

Successful completion of semester 1 courses.

Physical Therapy	NDPT	7181	Neuroscience 2	The focus of this course is on detailed study of the integrated functions of the human nervous system emphasizing mechanisms of motor and sensory activity and modulation. Principles of generation and conduction of nerve impulse are thoroughly discovered. Then by integrating the neuroanatomy and neurophysiology information, the neurological basis of normal movements are discussed. Motor control theories, concepts of motor learning, and associated intervention plans are fully covered. The development and maintenance of postural control, muscle tone and reflexes in relation to normal and pathological neural functions and dysfunction are presented. The neurophysiologic bases underlying several treatment techniques are explored. The clinical disorders of neuromuscular systems are discussed.	3	3	2	2
Physical Therapy	NDPT	7192	Psychosocial Issues in Health	This course explores the psychosocial concepts, theories, and ethical principles essential to understanding reactions of patients, family, and therapists to disabling disorders and catastrophic illness. Through reading assignments, review of video/movies and "active" class discussion, students are able to explore "identity" and the other essential constructs of "self" as they relate to 'heathly' human development across the lifespan. As students recognize their own belief systems, essential psychosocial elements of 'self' are then applied to understanding differences and similarities in values, moral and ethical beliefs of various	4	4	4	

values, moral and ethical beliefs of various groups of people - across age, race, culture, sexual orientation, and socioeconomic status. More specifically attitudes toward persons with disability are discussed with respect to their influence on the physical, psychosocial, and cultural aspects of an individual's growth and development. Finally the role of physical therapists, service professions, agencies, and advocacy groups in facilitating adjustment to disability are discussed.

Physical Therapy	NDPT	7212	Models of Clinical Reasoning	This course presents a variety of theoretical frameworks for clinical reasoning and decision-making, including the model of disablement and patient care management model as presented in The Guide to Physical Therapist Practice. It reviews the cognitive processes of decision-making pertinent to physical therapy examination/evaluation and expands upon the fundamentals of evidence-based practice, which considers evaluation of clinically relevant questions, searching and applying the literature, and building clinical data bases to provide evidence. This course primarily provides students with foundational knowledge for the application of "sound" clinical decision-making in the entire Pharmacology/ Diagnostics and Clinical Problem Series.	1	1	2		
Physical Therapy	NDPT	7222	Pharm and Diag I: Musculoskel	This course includes the pertinent clinical pharmacology and diagnostic medical tests for patients with orthopedic and spinal dysfunction. Pharmacokinetics and pharmacodynamics will emphasize the indications and contradictions of various	1	1	1	0	0



indications and contraindications of various drugs relative to their effect on diagnosis, prognosis, and interventions in physical therapy. Additionally, physiological process will be studied with particular emphasis on changes that occur secondary to variables such as age, environment, race, and gender. Diagnostic tests, such as lab values, electro-diagnostic testing, radiographic imaging, MRI, etc. will be also be explored in relation to physical therapy diagnosis for patient with musculoskeletal dysfunction. This course is a foundational science for the Orthopedic Clinical problem series. Prerequisites: Successful completion of Semester 4 courses.

Physical Therapy	NDPT	7232	Pharm/Diagnostics 2 Cardio	This course includes the pertinent clinical pharmacology and diagnostic medical tests for patients with cardiopulmonary dysfunction. Pharmacokinetics and pharmacodynamics will emphasize the indications and contraindications of various drugs relative to their effect on diagnosis, prognosis, and interventions in physical therapy. Additionally, physiological process will be studied with particular emphasis on changes that occur secondary to variables such as age, environment, race and gender. Diagnostic tests such as lab values, exercise stress testing, echocardiogram, etc. will also be explored in relation to physical therapy diagnosis for patient with cardiopulmonary dysfunction. This course is a foundational science for the Cardiopulmonary Clinical problem series.	1	1	1
Physical Therapy	NDPT	7243	Pharmaco & Diagno III: Integum	This course includes the pertinent clinical pharmacology and diagnostic medical test for	1	1	2

patients with integumentary dysfunction. Pharmacokinetics and pharmacodynamics will emphasize the indications and contraindications of various drugs relative to their effect on diagnosis, prognosis, and interventions in physical therapy. Additionally, physiological process will be studied with particular emphasis on changes that occur secondary to variables such as age, environment, race, and gender. Diagnostic test, such as lab values, ABI, Doppler, Ultrasound, etc. will be also explored in relation to physical therapy diagnosis in a patient with integumentary dysfunction. This course is a foundational science for the Integumentary Clinical problem series. Prerequisites: Successful Completion of Semester 6 Courses.

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Physical Therapy	NDPT	7253	Pharma & Diagnostics IV: Neuro	This course includes the pertinent clinical pharmacology and diagnostic medical tests for patients with neuromuscular dysfunction. Pharmacokinetics and pharmacodynamics will emphasize the indications and contraindications of various drugs relative to their effect on diagnosis, prognosis, and interventions in physical therapy. Additionally, physiological process will be studied with particular emphasis on changes that occur secondary to variables such as age, environment, race, and gender. Diagnostic tests, such as lab values, Electro-diagnostic testings, CT/PET scans, MRI ect. will be also explored in relation to physical therapy diagnosis for patient with neuromuscular dysfunction. This course is a foundation science for the Neuromuscular Clinical problem series.	1	1	1
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Physical Therapy	NDPT	7311	Patient Care Skills 1: Exam	The knowledge and skills necessary for examination of patients leading to physical therapy diagnoses, prognoses and evaluation will be presented and practiced. Theory and techniques for measurement of physical therapy and physiological entities will include: obtaining medical history, palpation technique, draping, screening for dysfunction in human systems (integumentary, cardiopulmonary, musculoskeletal, neuromuscular, and cognitive); vital signs tests, reflex assessment manual muscle tests, muscle length tests, range of motion, and postural assessment. Students will learn to discuss and document their examination findings. Reliability and validity of the measurements will be explored, with emphasis placed on precision of measurement, elimination of errors in testing, and accuracy of documentation. Activities will include a range of experiences, progressing from normal to pathological conditions, across the spectra of age, sex, culture, and race. Prerequisite: Successful completion of Semester I courses.	4	4	4	
Physical Therapy	NDPT	7321	Patient Care Skills 2	This course completes examination and application of basic patient skills, such as universal precautions, bed mobility, wheelchair mobility, transfer training, and gait training. The course also provides an in-depth exploration of the components of the acquisition of teaching/learning as it applies to patient interaction in physical therapy. A variety of educational/instructional methods are introduced, allowing for exploration of optimal teaching approaches in the cognitive,	4	4	2	4

psychomotor, and affective domains. Modifications to learning/teaching strategies are discussed within the context of age, race, gender, culture, and socioeconomic status. Emphasis will be placed on the selection of educational methods that enhance retention and compliance of learning.

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Physical Therapy	NDPT	7332	Patient Care Skills 3	This course will explore the scientific basis for selecting and implementing a plan of care using therapeutic agents, including; relaxation training & soft tissue mobilization, compression therapy, thermal agents, and electrotherapeutic modalities. Indications for use of therapeutic modalities, proper administration, and documentation of effectiveness will be emphasized. Students will learn to discuss and document their selection of an appropriate therapeutic agent/s in relation to sound knowledge of underlying physiological processes (pain, inflammation, edema, motor control, etc.) and pertinent methods of physical therapy measurement such as obtaining medical history, palpation screening for dysfunction in human systems (integumentary, cardiopulmonary, musculoskeletal, and neuromuscular). Evidence-based practice will fostered through careful critique of the literature in therapeutic agents. Lab activities will include a range of experiences, processing from normal to pathological conditions, across the spectra of age, sex, and race.	4	4	4	6
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Physical Therapy	NDPT	7342	Pat Care Skill IV: Pros & Orth	This course will cover biomechanical principles for the design and function of lower and upper extremity orthotics and prosthetics. Specific emphasis will be placed on normal and pathologic gait analysis with orthotic and prosthetic devices. Students will learn to relate limitations of orthotic/prosthetic devices to physical therapy management (functional training). Case study exploration will additionally provide the basis for comprehensive physical therapy management (Examination, Evaluation, Dx/Prognosis, & Plan of Care) for people with lower limb amputation.	2	2	1	4
Physical Therapy	NDPT	7411	Prof Socialization I: Intro	Professional Socialization I: Introduction is the beginning of a three-course sequence in which the profession of physical therapy is explored. The history of the profession including the people, world events, and organizational events that have shaped the scope of practice, standard of care and code of ethics will be investigated. The core documents will serve as a foundation for expectation of professional behaviors in documentation, reimbursement, and patient-care settings. The scope of professional conferences and issues of past, current, and future concerns will be discussed. Students are expected and encouraged to participate in future professional conferences, presentations, and the Georgia State Board of Physical Therapy public meeting. Governance of the recognized professional organization, the American Physical Therapy Association will be discussed. One essential element for a professional physical therapist is effective communication. Written, verbal and non-verbal skills for professional, effective communication will be emphasized. The tutorial process as defined by our modifier	3	3	3	

The tutorial process as defined by our model:

Physical Therapy	NDPT	7423	Profess Socialization II: Mgt	This course is the second course in a three-course series. This course will include macroeconomics of the United States healthcare system to the microeconomics of a physical therapy practice setting. Focus will be on management procedures including budgeting, staffing, quality improvement, personnel development, and federal guidelines concerning the Americans with Disabilities Act with particular interest in the scope of practice of physical therapy.	4	4	5
Physical Therapy	NDPT	7433	Prof Socializ III: Prof Entry	This course is the 'capstone' course which emphasizes the student's readiness to embrace the knowledge, values, and skills of the profession of physical therapy. The students will assess their professional growth since entry in to the program and examine how their development matches the primary mission of the graduate program in physical therapy. Mechanisms for seeking out community resources, mentors, networking, and participation in professional organizations will be presented in more detail. Expectations during the first year of practice will be investigated from an employers as well as employee perspective. Ways to foster the student's future role of becoming a clinical instructor will be explored and emphasized. Preparation for National Physical Therapy Examination will be completed and students will also evaluate complicated ethical issues in healthcare delivery. Finally, discussion on topics of particular clinical or professional interest will be entertained.	1	1	20

Physical Therapy	NDPT	7512	Clinical Research I: Design	This course relates to theories and concepts of scientific investigation and clinical research. The process of scientific inquiry is explored and related to the acquisition of knowledge in therapeutic interventions and evidence based physical therapy practice. Understanding concepts involved in formulating a research question and gaining a perception of range and scope of research methods is the expected outcome of this course.	3	3	6	
Physical Therapy	NDPT	7522	Clin Res II: Evid Based Pr & S	This is a sequential course to NDPT 7512. The process of scientific inquiry is expanded to include an in depth survey of the range and scope of research methods and statistical designs used towards evidence-based practice in physical therapy. The focus of research is directed toward parametric and nonparametric statistics used in clinical investigation. A preliminary research proposal will be completed and presented.	4	4	3	2
Physical Therapy	NDPT	7532	Clinical Research III: Project	The focus of this course is on the collection of data, its reduction, and analysis. Students will present a platform presentation of a sound research proposal for defense and will submit a written proposal at the conclusion of this course.	2	2		4
Physical Therapy	NDPT	7612	Clinical Problems I: Musculosk	The course will address physical therapy assessment and treatment of common musculoskeletal disorders of the extremities. Basic level differential diagnosis and treatment techniques will be presented	5	5	5	6

treatment techniques will be presented including joint mobilizations (Grades I-V), soft tissue massage, ambulation and activity progression and therapeutic exercise. Therapeutic exercise, isometric, isotonic, and isokinetic testing and rehabilitation will be studied with integrated exposure to rehabilitation equipment used with these patient populations. Students will be exposed to various treatment rationales. Learning will be approached through tutorial and practical lab sessions.

Physical Therapy	NDPT	7622	Clinical Problems II: Musculos	This course will address physical therapy evaluation, assessment and rehabilitation of spinal disorders and the temporo-mandibular joint. Spinal topics include lumbar, SIJ, cervical, thoracic and temporomandibular joint regions. Evaluation and treatment of surgical and non-surgical conditions will be taught. The student will be trained in the systematic assessment of musculoskeletal dysfunction of each of these regions. Treatment techniques instructed will include spinal mobilization (Grades I-V), soft tissue massage, manual and mechanical traction, body mechanics, self care techniques and therapeutic exercise. The student will be exposed to various treatment rationales that are prominent in physical therapy, however, the Maitland_Australian approach will be emphasized. The epidemiology and ergonomics of back and neck pain will also be investigated. Learning will be approached through critical appraisal of the literature using small group tutorials and practical lab sessions such that the basis of evidence based practice of physical therapy in these clir	6	6	5	6
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Physical Therapy	NDPT	7632	Clinical Prob III: Cardio	This course emphasized normal and abnormal cardiopulmonary responses to exercise, compromised cardiopulmonary physiology and pathophysiology of common cardiopulmonary diseases. The course is designed to assist the student in applying physiological principles to physical therapy interventions of clients with cardiopulmonary dysfunction. The course also presents the information that needs to be considered in relation to race, age, and gender. Critical analysis of the literature is necessary for all clinical cases presented to and provides a foundation for the evidence-based practice of Physical Therapy (Guide for Practice in Physical Therapy).	4	4	3	4
Physical Therapy	NDPT	7643	Clinical Probs IV: Integume Cr	This course emphasizes the pathophysiology of burns and wounds; the rehabilitation of patients with related acute and subacute diseases that require skilled and intermediate care. The course also requires students to discover the influences of race, age, and gender on the concepts of wound management and burn care. Critical analysis of the literature is necessary for all the clinical cases presented and provide a foundation for the evidence-based practice of physical therapy. (Guide for Practice in Physical Therapy) Prerequisites: Successful Completion of Semester 6 Courses	2	2	1	3
Physical Therapy	NDPT	7653	Clinical Prob V: Neuromuscl 1	This course examines aspects of human development from conception to adulthood. Normal development of the body, nervous system and cognition, congenital abnormalities, and infant childhood, and adolescent pathologies will be studied	5	5	7	7

adolescent pathologies will be studied. Examination and Evaluation, including pediatric assessment methodologies and therapeutic exercise/interventions will be studied through a series of problems examined in a Problem-Based Learning format and practical lab sessions. Course Prerequisites: Successful completion of Semester 6 courses.

Physical Therapy	NDPT	7663	Clin Prob VI: Neuromuscular II	This course emphasizes advanced neuromuscular evaluation and treatment rationales and principles related to the adult population. Emphasis is on principles of normal movement and maintenance of posture, their application to abnormal central nervous system function in adults with a variety of neurological pathologies.	5	5	5	5
Physical Therapy	NDPT	7673	Clin Prob VII: Mgmt of MS Impa	This course is conducted using a seminar (large tutorial) format and will be solely based on clinical cases that involve more than one pathological process. This course addresses the physical therapy examination, evaluation, intervention and management of clinical problems associated with multi-system impairments (integumentary, cardiopulmonary, musculoskeletal, and neuromuscular).	4	4	2	4
Physical Therapy	NDPT	7712	Clinical Education 1	The purpose of this clinical experience is to provide the student with opportunity to initiate practical application of the clinical education and teaching skills from the initial professional year of class work. Students will have opportunity to apply knowledge of foundational science principles (kinesiology, medical and exercise physiology, and	6	6		40

neuroscience) and general examination and intervention skills to patient care. Students will be introduced to and have opportunity to apply the five elements of patient client management (examination, evaluation, diagnosis, prognosis, plan of care and intervention). These skills will be performed under the direct supervision of a licensed practicing clinician. This ten-week assignment can occur in a variety of rural and/or urban facilities. Course Prerequisites: Successful completion of Semester 3 courses.

Physical Therapy	NDPT	7723	Clinical Education 2	The purpose of this clinical placement is to provide the student with opportunity for practical application of the foundational sciences and the clinical problems skills studied in the first two years of professional class work. Students will have opportunity to analyze and integrate the five elements of patient client management (examination, evaluation, diagnosis, prognosis, plan of care and intervention) for patients with integumentary, musculoskeletal, cardiopulmonary, and neuromuscular (Pediatrics) conditions. These skills will be performed under the direct supervision of a licensed practicing clinician. This ten-week assignment can occur in a variety of rural and/or urban facilities.	8	8	40
Physical Therapy	NDPT	7733	Clinical Education 3	The purpose of this clinical placement is to provide the student with opportunity for practical application of the foundational sciences and the clinical problems skills studied in the first three years of professional class work.	16	16	40

Physical Therapy	NDPT	7743	Clinical Education 4	The purpose of this final placement is to allow the third year student to integrate the role and responsibility of the physical therapist and attain entry-level practice competencies. This sixteen-week experience occurs in medical centers where the student may be assigned to two or more services. The student may be assigned to more than one medical center or facility. All students will have the opportunity to provide physical therapy care to patients throughout the entire healthcare continuum.	16	16		40
Physical Therapy	PHTH	5101	Func and Struct Aspects of Mov	Gross anatomy and physiology at the integumentary, cardiovascular and pulmonary systems. Prerequisite: Admission to the DPT Program	5	5	4	4
Physical Therapy	PHTH	5111	Intro to Pathophysiology 1	Basic histopathology, pathophysiology, and pharmacology of the integumentary, cardiovascular and pulmonary systems. Prerequisite: Admission into the DPT program.	2	2	2	
Physical Therapy	PHTH	5131	Fndt of PT Exam Eval & Inter I	Fundamental patient care skills including basic examination, evaluation, diagnosis, prognosis, intervention, outcomes and documentation for patients with integumentary, cardiovascular and pulmonary dysfunction. Prerequisite: Admission to the DPT Program	6	6	5	4
Physical Therapy	PHTH	5161	Physical Therapy Prac Issues I	Discussions of professional socialization, cultural issues in health care, legal and ethical aspects of illness, quantitative terminology in clinical practice and clinical documentation. Prerequisites: Admission to DPT Program	1	1	1	
Physical Therapy	PHTH	5181	Clinical Practicum 1	Initial exposure to the health care setting and health care professionals through discussion	1	1		4

and half-day, onsite observational experiences. Care settings will include specialty clinics, long term care facilities, hospitals and school systems. Prerequisites: Admission to DPT Program

Physical Therapy	PHTH	5202	Functional Structural Move 2	Gross anatomy, physiology and kinesiology of the musculokeletal system.	6	6	4	4	
Physical Therapy	PHTH	5212	Intro to Pathophysiology 2	Basic histopathology, pathophysiology and pharmacology of te muscuskeletal system.	2	2	2	0	0
Physical Therapy	PHTH	5232	Foun PT EXAM Eval Interven 2	Fundamental patient care skills including basic examination, evaluation, diagnosis, prognosis, intervention, outcomes and documentation for patients with musculoskeletal dysfunction.	8	8	6	8	0
Physical Therapy	PHTH	5262	Physical Therapy Prac Issues 2	Discussion of methods and approaches to physical therapy research.	1	1	1	0	0
Physical Therapy	PHTH	5282	Clinical Practicum 2	Exposure to health care settings related to muscoskeletal healthcare through half-day, on-site observational experiences.	1	1			4
Physical Therapy	PHTH	7303	Functional Structural Move 3	The kinesiology of gait and the gross anatomy and physiology of the nervous system.	4	4	3	3	
Physical Therapy	PHTH	7313	Intro to Pathophysiology 3	The pathophysiology of the neuromusculat system.	2	2	2		
Physical Therapy	PHTH	7333	Found Exam, Eval, Inter 3	Fundamental patient care skills including basic examination, evaluation, diagnosis, prognosis, intervention, outcomes and documentation of gait deviations and for patients with neuromuscular dysfunction.	8	8	6	8	
Physical Therapy	PHTH	7363	PT Practice Issues 3	Discussions of legislative issues in health care, principles of motor learning and motor control, clinical outcomes research, and evidence based practice.	1	1	1		
Physical Therapy	PHTH	7383	Clinical Practicum 3	A one-week full time hands-on exposure to patient care in a physical therapy setting.	1	1			4

Physical therapy settings include specialty clinics, long-term care facilities, hospitals, and school systems.

Physical Therapy	PHTH	7390	PT Case Management	Presentation of specific cases for students to manage from referral to discharge utilizing given information with increasingly complicated scenarios. Students work in small groups to develop the total management of each case. The cases presented will link this course to all other courses in this and the previous semesters.	3	3	2	2
Physical Therapy	PHTH	7400	Critical Inquiry in Phys Thera	Critical analysis of the physical therapy research literature.	2	2	2	
Physical Therapy	PHTH	7481	Supervised Clinical Educ 1	Eight weeks of full time clinical affiliation in general care settings providing an opportunity for students to practice in the clinical setting the skills learned in all preceding courses	8	8		40
Physical Therapy	PHTH	7491	Clinical Education Synthesis 1	Small group discussions integrating didactic and clinical learning experiences using case studies based on clinical experiences in Supervised Clinical Education 1.	2	2		2
Physical Therapy	PHTH	7501	Clinical Medicine 1	Study of the pathophysiology, medical differential diagnosis and pharmacological and surgical treatment of medical diseases and disorders seen in neonates, children and adolescents.	3	3	3	
Physical Therapy	PHTH	7531	Adv Exam, Eval and Interven 1	Advanced patient care skills including examination, evaluation, diagnosis, prognosis, intervention, outcomes and documentation of neonates, children and adolescents.	8	8	6	4
Physical Therapy	PHTH	7561	Impl of Lifespan Conc in PT 1	Developmental theories, clinical perspectives and health care issues for neonates, children and adolescents.	2	2	2	

Physical Therapy	PHTH	7602	Clinical Medicine 2	Study of the pathophysiology, medical differential diagnosis and pharmacological and surgical treatment of medical diseases and disorders seen in young and middle aged adults.	3	3	3		
Physical Therapy	PHTH	7632	Adv Exam, Eval and Interven 2	Advanced Examination, Evaluation and Intervention 2	8	8	6	4	
Physical Therapy	PHTH	7662	Impl of Lifespan Conc in PT 2	Developmental theories, clinical perspectives and health care issues for young and middle aged adults.	2	2	2		
Physical Therapy	PHTH	8901	Physical Therapy Project	Conducting a research project as part of the project advisor's ongoing research activities.	1	1		2	
Physical Therapy	PHTH	8902	Physical Therapy Project 2	Conducting a research project as part of the project advisor's ongoing research activities.	1	1		2	
Physical Therapy	PTHP	7061	Seminar in Physical Therapy 6	Graduate student colloquium to provide an opportunity for the discussion of current professional literature and issues in physical therapy.	1	1			40
Physical Therapy	PTHP	7101	Evi Based Prac-Research	Contents include literature search, foundations of clinical research (including ethical issues in clinical research, Institutional Review Board procedures), and concepts of measurement (including principles of measurement, reliability and validity of measurements), and how to evaluate research reports (article critique).	1	1	3	0	0
Physical Therapy	PTHP	7111	Prof Prac Expectations I	Professional Practice Expectations I (Professional Socialization) is designed to assist students as they assume the role of professional, both as a student in an educational program and ultimately as a provider functioning effectively as a member of the health care team. The student will be introduced to the core documents governing the profession, the professional organization and the role of advocacy, generic	1	1	1	1	0

abilities/professional behaviors, and the assessment and organizational skills necessary for successful practice.

Physical Therapy	PTHP	7121	Gen Concepts Pt Mgmt I	This course is designed to introduce the student to general physical therapy examination, evaluation, diagnosis and prognosis. Topics include introduction to the Guide for Physical Therapy, the disablement model, physical therapy diagnosis, clinical decision-making, documentation and outcomes. The student will begin to develop examination skills that include general systems review, patient interviewing techniques and introduction to tests and measures appropriate for general screens. Course content will be presented in a modified problem/case format and will include small group study, interactive labs, resource and lecture sessions.	3	3	2	2	0
Physical Therapy	PTHP	7202	Research 2	Content includes literature search, article critique, beginning to identify a research question.	1	1	0	2	0
Physical Therapy	PTHP	7211	Applied Physiology	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)	3	3			
Physical Therapy	PTHP	7222	Found of Physical Therapy	This course is designed to provide students with the foundational skills for physical therapy practice. Students will describe and appraise normal human motion to provide a conceptual framework for assessing abnormal motion. Current and relevant issues in physical therapy will be examined. Basic elements of physical therapy management	6	6	3	6	0



including examination, evaluation and diagnosis will be discussed.

Physical Therapy	PTHP	7223	Gen Con Patient Mgmt II	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.	3	3	2	2	0
Physical Therapy	PTHP	7303	Research 3	Contents include experimental control, selecting an appropriate experimental design, single-subject design, surveys, epidemiology, analysis, and project proposal (written report and slide presentation).	2	2	1	2	0
Physical Therapy	PTHP	7313	Prof Pract Expect III	Professional Practice Expectations III (Teaching and Learning in the Health Care Environment) is designed to assist the student in applying concepts of the teaching learning process to physical therapy practice in a variety of settings (academic, clinical, and professional). Students will work in groups to plan, implement, and assess the efficacy of several learning activities.	2	2	1	2	0
Physical Therapy	PTHP	7331	Orthopaedics 1	Student groups will work through problems and case studies related to peripheral joint pathology, impairments, functional limitations, and disabilities. Emphasis will be placed on examination, evaluation, intervention, and	6	6	3	6	0

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 4. evaluation, intervention, and physical therapy diagnosis skills related to the appendicular skeleton. Basic science principles will be integrated with examination and intervention. Both didactic and lab sessions will be used during this unit.

Physical Therapy	PTHP	7341	Medical Conditions 1	This course is designed to provide 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 will be presented in modified problem/case based format and will include small group study, interactive labs, resource and lecture sessions.	6	6	3	6	0
Physical Therapy	PTHP	7710	Clinical Experience 2	Students are assigned to clinical facilities where, under the direct supervision of a physical therapist, they use the knowledge and skills learned in the classroom to evaluate and treat medical and surgical problems with emphasis on orthopedic conditions. They document their work using	8	8	0	0	40

conditions. They document their work using proper format and terminology, research information about problems with which they are unfamiliar, perform other duties pertinent to the duties of a physical therapist. Prerequisite: Completion of all previous MPT coursework or permission of the instructor.

Physical Therapy	PTHP	8132	Orthopaedics 2	Student groups will work through problems and case studies related to spinal pathology, impairments, functional limitations, and disabilities. Emphasis will be placed on examination, evaluation, intervention, and physical therapy diagnosis related to the spine and axial skeleton. Content will include: 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 3. new examination, evaluation, intervention, and physical therapy diagnosis skills related to the spine and axial skeleton. Basic science principles will be integrated with examination and intervention.	3	3	2	2	0
Physical Therapy	PTHP	8133	Integ for Prac Med Cond II	The study of the pathological, medical, therapeutic and communication concepts relevant to patients with complex medical and surgical problems. Special emphasis is placed on the patient with multiple medical problems in the critical care unit, patients following burns and amputations, and patients with obstetrical and gynecological disorders. Prerequisite: Successful completion of all previous courses in curriculum	6	6	4	6	0

Physical Therapy	PTHP	8170	Research 1	Students will identify problem to be studied, develop hypothesis, conduct literature search and write research proposal. Prerequisite: Completion of all previous MPT coursework or permission of the instructor.	3	3	2	2	0
Physical Therapy	PTHP	8191	Clinical Experience 1	This is 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 prognosis and expected outcomes and intervention plan and implement that plan 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 health care team	8	8	0	0	40
Physical Therapy	PTHP	8204	Research 4	Contents include data collection and seminar. Prerequisites: Successful completion of previous DPT coursework.	1	1	0	2	0
Physical Therapy	PTHP	8214	Prof Prac Expec IV	Professional Practice Expectations IV (Professional Development) is designed to further facilitate the development of each student as a professional. Groups of students will be involved in advocacy roles in the community and profession. This course provides an opportunity for students to research, present, and facilitate a peer discussion on a current issue affecting the delivery of physical therapy services. Prerequisites: Successful completion of previous DPT coursework.	1	1	1	1	0

Physical Therapy	PTHP	8240	Integ for Prac NeuroMuscular	The course addresses the physical therapy management of individuals with neurologic dysfunction. With an emphasis on the relationship the rehabilitation process to contemporary theories of motor control. Learning will occur in reference to a series of case problems that cover the following pathologic categories: cerebrovascular accidents, neuromuscular disorders, injury to the central nervous system, degenerative diseases, and inflammatory and infectious disorders of the nervous system. Prerequisite: Successful completion of all previous courses in curriculum	7	7	20	10	0
Physical Therapy	PTHP	8242	Medical Conditions 2	This course is designed to provide 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 will be presented in modified problem/case based format and will include small group study, interactive labs, resource and lecture sessions.	4	4	2	4	0
Physical Therapy	PTHP	8243	Medical Conditions 3	This course is designed to provide 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 will be placed on the patient with multiple medical problems in the critical care unit, the post surgical patient with amputations, patient with obstetrical and gynecological disorders and patients with	6	6	3	6	0

cancer. End of life issues will be discussed. Wellness and prevention as it relates to the geriatric population will be studied along with PT issues pertaining to the frail elderly population. Course content will be presented in modified problem/case based format and will include small group study, interactive labs, resources and lecture sessions. Prerequisites: Successful completion of previous DPT coursework.

Physical Therapy	PTHP	8291	Clinical Experience 2		8	8	0	0	40
Physical Therapy	PTHP	8304	Seminar in Phy Therp IV		1	1	1	0	0
Physical Therapy	PTHP	8305	Research 5	Contents include data collection, analyses, and seminar. Prerequisites: Successful completion of previoius DPT coursework.	1	1	0	2	0
Physical Therapy	PTHP	8315	Prof Practice Expectations 5	Professional Practice Expectations V (Legal and Ethical Issues in Health Care) is designed to provide the students with the ethical principles, laws and rules that regulate and guide the practice of physical therapy nationally and in Georgia. Students will demonstrate application and integration of these guidellines via case studies based on ethical and legal situations frequently encountered in the clinical settings. Prerequisites: Successful completion of previous DPT coursework.	1	1	1	1	0
Physical Therapy	PTHP	8341	Integration for Practice Peds		4	4	12	3	0
Physical Therapy	PTHP	8351	Integration for Prac	Through a series of problems, cases and	8	8	4	8	0

Neuromusc

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 will be expected to use this information to develop a plan for interventions to meet patient-centered goals. There will be a variety of learning experiences available for each student, including the tutorial group process for problems and interactin with persons with neurological disease or injury. There will be computer patient stimulations, as well as hands-on lab activities with students and/or faculty simulating patients in which students will practice techniques for examination and techniques for examination and interventions for physical therapy problems. Prerequisites: Successful completion of previous DPT coursework.

Physical Therapy	PTHP	8361	Management	This course is designed to assist the student in the development of managerial skills pertinent to the healthcare environment. Students will apply knowledge of marketing, reimbursement, legislation/regularion, risk mamagement, and quality control to the design and operation of a physical therapy practice. The functions and characteristics of an effective manager will be discussed and practiced. Prerequisites: Successful completion of previous DPT coursework.	4	4	2	4	0
Physical Therapy	PTHP	8372	Research 2		3	3	2	2	0
Physical Therapy	PTHP	8373	Int for Prac Management		6	6	7	5	0

Physical Therapy	PTHP	8474	Elective		2	2	2	0	40
Physical Therapy	PTHP	8492	Clinical Experience 3		12	12	0	0	97
Physical Therapy	PTHP	9106	Research 6	Contents include finishing up data collection, analyses, final written report and slide presentation. Prerequisites: Successful completion of previous DPT coursework.	1	1	0	2	0
Physical Therapy	PTHP	9116	Prof Prac Expectations 6	Professional Practice Expectations VI is designed as 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. Prerequisites: Successful completion of previous DPT coursework.	1	1	1	0	0
Physical Therapy	PTHP	9144	Medical Conditions 4	Student groups will work through problems and case studies related to patients with lower and upper limb amputations. Students will 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 will include: 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	1	1	1	1	0



the patient with an emphasis on gathering information related to prosthetic prescription and prosthetic training. Basic science principles will be integrated with examination, evaluation and intervention. Prerequisites: Successful completion of previous DPT coursework:

Physical Therapy	PTHP	9152	Pediatrics	This course is designed to provide students with the study of human development with emphasis on children under five. The primary emphasis will be on the assessment, evaluation, diagnosis, prognosis and intervention in children with neuromusculoskeletal disorders. Students will be expected to use this information to develop interventions to meet patient-centered goals. There will be a variety of learning experiences used in this course. Prerequisites: Successful completion of previous DPT coursework.	4	4	3	2	0
Physical Therapy	PTHP	9171	Integrated Patient Management	This course is designed to provide 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 will be placed on clinical decision-making related to various pathologies. Content will be presented using a variety of instructional strategies to include lecture/discussion, small group activities and lab participation. The emphasis of the course	3	3	1	4	0

lab participation. The emphasis of the course is a "hands-on" approach whenever possible. The course will culminate in a comprehensive exam. Prerequisites: Successful completion of previous DPT coursework.

Physical Therapy	PTHP	9292	Clinical Experience 2	This is 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 health care team. Prerequisites: Successful completion of previous DPT coursework.	16	16	0	0	40
Physical Therapy	PTHP	9393	Clinical Experience 3	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	12	12	0	0	40

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 health care team. Prerequisites: Successful completion of previous DPT coursework.

Physical Therapy	PTHP	9394	Elective	The student will 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. Prerequisites: Successful completion of previous DPT coursework.	4	4	0	0	40
Physical Therapy	PTHP	9501	Evidence Based Practice I	A detailed study of the concepts, methods and strategies of evidence based practice as it relates to physical therapy. The focus will be on an in depth assessment of the value of different levels of evidence as it relates to determining best practice in physical therapy and study of the evaluation, critical appraisal and systematic review of evidence. Emphasis will be placed on student evaluation of current outcome assessment measures in their current field of practice or interest. Course Prerequisites: Admission to the DPT	1	1			

Program. Eligible for Licensure.

Physical Therapy	PTHP	9502	Diagnostic Imaging for PT	This course includes the pertinent diagnostic medical tests for patients with orthopedic/spinal dysfunction, cardiopulmonary, integumentary, and neuromuscular disorders. Diagnostic tests pertinent to physical therapy diagnosis in the major body systems will be emphasized.	4	4
Physical Therapy	PTHP	9503	Pharmacology for PT	This course includes the pertinent clinical pharmacology for patients with orthopedic/spinal, cardiopulmonary, and neuromuscular disorders. Commonly prescribed pharmacology agents used for gastrointestinal, genitourinary, and endocrine system disorders will also be explored. Pharmacokinetics and pharmacodynamics, indications and contraindications of various drugs will be discussed relative to their effect on diagnosis, prognosis, and interventions in physical therapy. Additionally, the physiological processes in major body systems will be studied with particular emphasis on changes that occur considering variables such as age, environment, race, and gender.	4	4
Physical Therapy	PTHP	9504	PT in Prevent, Fit, Well & Hea	This course addresses the role of physical therapists in prevention, fitness, wellness and health promotion. Activity, nutrition, and wellness are explored using Guidelines from the Center for Disease control and Prevention and the United States Department of Agriculture.	4	4
Physical Therapy	PTHP	9505	Evidence Based Practice II	A detailed study of the concepts, methods and strategies of evidence based practice as	4	4

it relates to physical therapy. The focus will be on an in depth assesment of the value of different levels of evidence as it relates to determining best practice in physical therapy and a study of the evaluation, critical appraisal and systematic review of evidence. Emphasis will be placed on student evaluation of current treatments or interventions in their current field of practice or intrest.

Physical Therapy	PTHP	9506	Ethical/Legal Inplic for PT Pr	This is an advanced course that addresses legal and ethical implications for physical therapy practice in the current healthcare environment. The student will examine the various realms of ethics and the implications for current practice. The student will also examine the evolving roles for the profession as affected by such factors as changing societal demands, trends in healthcare, government regulations, and the expanding body of knowledge.	4	4			
Physician Assistant	PHAS	3470	Med Commun Skill Term PA	Learn and develop effective terminology and communication skills for eliciting patient histories and communicating this information to other members of health care team. Emphasis given to performing competent medical interviews. Skills practiced in Clinical Medicine I and II.	2	2	2	0	0
Physician Assistant	PHAS	3480	Psych-Soc Issue Health Care	Exposure to social psychology applied to general medicine practice. Topics include interpersonal relations, family problems, human sexuality, children's special needs, minority group health needs, effects of chronic illness, and death and dying.	1	1	2	0	0
Physician Assistant	PHAS	3990	Independent Study	Independent study may provide additional or	1	1	0	0	0

initial exposure to the didactic material under the supervision of a faculty member.

Physician Assistant	PHAS	4010	Preceptorship	required rotation generally selected as the last rotation during enrollment. Students may select from any primary care area such as family practice, pediatrics, internal medicine or general surgery. Prerequisite: All Phase I and II courses	6	6	0	0	40
Physician Assistant	PHAS	4030	Family Practice	Encounter a variety of clinical problems in family practice setting. Prerequisite: All Phase I courses	6	6	0	0	40
Physician Assistant	PHAS	4040	Internal Medicine	Evaluate and manage patients with a variety of medical problems such as diabetes, hypertension, respiratory diseases, cardiac diseases and other major system disorders. Prerequisite: All Phase I courses	6	6	0	0	40
Physician Assistant	PHAS	4050	Pediatrics	Learn to evaluate health problems that occur from birth through adolescence. Prerequisite: All Phase I courses	6	6	0	0	40
Physician Assistant	PHAS	4060	Obstetrics and Gynecology	Learn to evaluate and manage health issues associated with female organs including pregnancy. Prerequisite: All Phase I courses	6	6	0	0	40
Physician Assistant	PHAS	4070	Mental Health	Learn to evaluate, manage and make dispositions on a variety of mental health problems. Prerequisite: All Phase I courses	6	6	0	0	40
Physician Assistant	PHAS	4180	Surgery	Students encounter principles of surgical management of patients including: preoperative, postoperative and operating room care. Prerequisite: All Phase I courses	6	6	0	0	40
Physician Assistant	PHAS	4200	Emergency Medicine	Learn to evaluate and manage a variety of problems that typically present to a hospital ER and to master procedures that are commonly performed. Prerequisite: Phase I	6	6	0	0	40

commonly performed. Prerequisite: Phase I courses

Physician Assistant	PHAS	5010	Medical Terminology	Instruction to equip students with strong skills in medical communication and terminology and its application to patient care. Prerequisites: Admission to PA Program	1	1	1		
Physician Assistant	PHAS	5015	Medical Communications	This course will present the skills necessary for obtaining a complete medical history and enhancing good communication among patients and healthcare team members.	2	2	2		
Physician Assistant	PHAS	5020	Genetics	A survey course of medical genetics using case-based instruction. Prerequisite: Admission to the PA Program	1	1	1		
Physician Assistant	PHAS	5025	Intro to Clinical Medicine	Introductory concepts to pathophysiology, laboratory medicine, and diagnostic studies.	2	2	2	1	
Physician Assistant	PHAS	5030	Med Spanish and Cultu Competen	An introductory course in Medical Spanish for health care professionals. Explores different cultures and their perception of medical care. Prerequisites: Admission to the PA Program	1	1	1		
Physician Assistant	PHAS	5100	Ethics and Professional Issues	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 health care 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. Prerequisite: Admission to the PA program.	1	1	0	0	2

Physician Assistant	PHAS	5110	History & Physical Assessment	Teaches the basics of history taking and physical examination skills and techniques. Introduces variations of normal and common abnormal physical findings. Prerequisite: Admission to the PA program; successful completion of summer semester coursework.	5	5	0	0	0
Physician Assistant	PHAS	5115	Physical Assessment	This course will present the skills necessary for obtaining a complete medical history and enhancing good communication among patients and healthcare team members.	3	3	3		
Physician Assistant	PHAS	5120	Principles of Pharmacology	Focuses on the principles of pharmacology, mechanism of action, toxicology and drug distribution. Prerequisite: Admission to the PA program; successful completion of summer semester coursework.	3	3	0	0	0
Physician Assistant	PHAS	5130	Clinical Medicine 1	Clinically-oriented didactic preparation for clinical rotations and future clinical practice. Etiology, pathophysiology, clinical manifestations, and appropriate management of Dermatology, ENT, and Ophthalmology Prerequisite: Introduction to Clinical Medicine (PHAS 5025), or Permission of instructor	6	6	5	2	0
Physician Assistant	PHAS	5140	Clin Skill Integration & App I	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. Prerequisite: Admission to the PA program; successful completion of summer and fall semester coursework.	1	1	0	0	4
Physician Assistant	PHAS	5200	Behavioral Medicine	General survey of fundamental principles underlying human behavior, development,	2	2	0	0	0



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. Prerequisite: Admission to the PA Program, successful completion of summer and fall semester coursework.

Physician Assistant	PHAS	5210	Pharmaco-therapeutics 1	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. Prerequisites: Admission to the PA Program, successful completion of summer and fall semester coursework.	3	3	2	2	0
Physician Assistant	PHAS	5220	Clinical Medicine 2	Clinically-oriented didactic preparation for clinical rotations and future clinical practice. Etiology, pathophysiology, clinical manifestations, and appropriate management of selected disease entities in GI, cardiovascular, pulmonary, GU and neurology using case-based instruction. Prerequisites: Admission to the PA Program, successful completion of summer and fall semester coursework.	14	14	2	0	0
Physician Assistant	PHAS	5225	Applied Clinical Physiology I	Advanced concepts in human physiology will be presented in lecture format; topics will correlate with organ systems being taught in Clinical Medicine II. Prerequisites: Admission to Physician Assistant Program, SAHS 7110 Principles of Human Physiology.	1	1	1		
Physician Assistant	PHAS	5230	Clin Skills Integra & App II	Clinical training using both real and standardized patients for obtaining histories	1	1	0	0	5

and performing physical exams. Enhances acquisition of skills necessary to formulate a diagnosis and treatment plan using case-based instruction. Continuation of PHAS 5140. Prerequisites: Admission to the PA Program, successful completion of summer and fall semester coursework.

Physician Assistant	PHAS	5300	Pharmacotherapeutics 2	General principles of pharmacotherapeutics as related to medications used in treatment of injury or disease conditions affecting body systems discussed in PHAS 5130, 5220 & 5310 using care-based instruction. Prerequisites: Admission to the PA Program, successful completion of summer, fall and spring semester coursework.	3	3	2	2	0
Physician Assistant	PHAS	5310	Clinical Medicine 3	Clinically-oriented didactic preparation for clinical rotations and future clinical practice. Etiology, pathophysiology, clinical manifestations, and appropriate management of selected disease entities in hematology, oncology, Ob/Gyn, Pediatrics, Orthopedics, Rheumatology and Infectious Disease using case-based instruction. Prerequisites: Admission to the PA Program, successful completion of summer, fall and spring semester coursework.	10	10	9	2	0
Physician Assistant	PHAS	5315	Applied Clinical Physiology II	Advanced concepts in human physiology will be presented in lecture format, topics will correlate with organ systems being taught in Clinical Medicine II. Prerequisites: Admission to Physician Assistant Program, SAHS 7110.	1	1	1		
Physician Assistant	PHAS	5320	Emergency	Clinically oriented didactic course used as a	2	2	2	0	0

Medicine 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. Prerequisites: Admission to the PA Program, successful completion of summer, fall and spring semester coursework.

Physician Assistant	PHAS	5330	Surgery	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. Prerequisites: Admission to the PA Program, successful completion of summer, fall and spring semester coursework.	2	2	1	2	0
Physician Assistant	PHAS	5340	Clin Skills Integra & App III	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. Prerequisites: Admission to the PA Program, successful completion of summer, fall and spring semester coursework.	1	1	0	0	5
Physician Assistant	PHAS	5350	Evi-based Medicine	Instruction to equip students with the	1	1	1	0	0

II Research            necessary skills to understand basic research methods, epidemiology concepts and its application to patient care using evidence-based medicine practices and case-based instruction. Prerequisites: Admission to the PA Program, successful completion of summer, fall and spring semester coursework.

Physician Assistant	PHAS	6010	Int Med & Critical Care Practi	Application of basic medical knowledge to problems and situations encountered in internal medicine practice. Data base collection, formulation of complete problem list, and participation in daily rounds and management of patient problems provides awareness of complexity of disease processes and differential diagnosis. Prerequisites: Successful completion of PA didactic coursework.	6	6	0	0	40
Physician Assistant	PHAS	6020	Surgery Practicum	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. 40 hours per week for 4 weeks. Prerequisites: Successful completion of PA didactic coursework.	4	4	0	0	40
Physician Assistant	PHAS	6025	Orthopedics Practicum	Assignment to an orthopedic surgical team to learn routine 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. 40 hours per week for 4 weeks. Prerequisites: Successful	4	4	0	0	40

completion of PA didactic coursework.

Physician Assistant	PHAS	6030	Family Practice Practicum	Emphasis on outpatient evaluation and treatment of conditions common at family medicine/primary care level. Appropriate health maintenance measures for different age groups. Course prerequisites: Completion of didactic phase of PA Curriculum.	6	6	0	0	40
Physician Assistant	PHAS	6040	Emergency Medicine Practicum	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. 40 hours per week for 4 weeks. Prerequisites, successful completion of PA didactic coursework.	4	4	0	0	40
Physician Assistant	PHAS	6050	Pediatrics Practicum	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. 40 hours per week for 4 weeks. Prerequisites, successful completion of PA didactic coursework.	4	4	0	0	40
Physician Assistant	PHAS	6060	Behavioral Medicine Practicum	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. 40 hours per week for 4 weeks. Prerequisites, successful completion of PA didactic	4	4	0	0	40

Successful completion of PA didactic coursework.

Physician Assistant	PHAS	6070	Ob/Gyn Practicum	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. Prerequisites, successful completion of PA didactic coursework.	4	4	0	0	40
Physician Assistant	PHAS	6080	Preceptorship	Focus on clinical settings in area of student's medical vocational interest. 40 hours per week for 4 weeks. Prerequisites, successful completion of PA didactic and clinical coursework.	4	4	0	0	40
Physician Assistant	PHAS	6090	Elective Clinical Practicum	Focus on community settings in area of student's medical vocational interest. 40 hours per week for 4 weeks. Prerequisites, successful completion of PA didactic coursework.	4	4	0	0	40
Physician Assistant	PHAS	6100	Resh Com Svc Proj Teach Pract	Focus on completing research or community service learning project and developing skills as a teacher/educator with field experience. 40 hours per week for 4 weeks. Prerequisites, successful completion of PA didactic coursework.	4	4	0	0	40
Physician Assistant	PHAS	6900	Independent Course Study	Independent study will provide additional or initial exposure to course material under faculty supervision. Prerequisites: Permission of the Physician Assistant Department.	1	1			
Physician Assistant	PHAS	8022	Concepts Health Care Delivery	A course for health care professionals on the non-technical aspects of health care. Examples of topics to be covered are areas in quality assurance, risk management, Medicaid, Medicare, other third party payers, home health care, malpractice, ethics, etc.	3	3	3	0	0

Home health care, malpractice, ethics, etc.  
Prerequisite: Admission to M.S. program

Physician Assistant	PHAS	8023	Geriatrics	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. Prerequisite: Admission to a Masters Program	3	3	2	0	2
Physician Assistant	PHAS	8024	Health Prom Disease Prevention	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. Prerequisite: Admissions to Masters Program	3	3	0	0	6
Physician Assistant	PHAS	8027	Occ Indust Med Clin Practicum	Designed to expose the student to the role of the Physician Assistant in an occupational or industrial setting. The student will work under the supervision of the physician preceptor learning to evaluate and manage patients and to evaluate the workplace from a health, safety, and ergonomic standpoint. Prerequisite: Admission to a Masters Program	3	3	0	0	6
Physician Assistant	PHAS	8028	Rural Hlth Ind Study Clinical	Supervised exposure to a population of patients with undifferentiated health problems and participation in the evaluation and management of those problems. The student becomes more aware of the uniqueness of rural health care practice. Prerequisite: Admission to a Masters Program	3	3	0	0	6

Physician Assistant	PHAS	8048	Psychosocial issue in Medicine	Survey of more common psychosocial problems encountered by health professionals. Students will participate in lectures, discussions, role-playing, and case studies. There will be an emphasis on improving communication skills, development of counseling skills, and integration of knowledge of psychosocial principles with the clinical situation. Prerequisite: Admission to Masters Program	3	3	3	0	0
Physician Assistant	PHAS	8700	Eval of Urologic Patient	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. Prerequisite: Acceptance in the Urology postgraduate physician assistant residency program	1	1	2	0	2
Physician Assistant	PHAS	8701	Clinic Urology Core 1	Applies previously learned history taking skills and appropriate physical examination skills to integrate them into a patient evaluation, diagnostic plan, and collation of data. Prerequisite: Acceptance in the Urology postgraduate physician assistant residency program	4	4	2	0	2
Physician Assistant	PHAS	8702	Clinic Urology Core 2	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. Prerequisite: Successful completion of Clinical Urology, Core I	4	4	2	0	2
Physician Assistant	PHAS	8703	Clinic Urology Core	Builds on skills acquired during previous two	5	5	2	0	2



core courses with increasing independence of action. Prerequisite: Successful completion of Clinical Urology, Core II

Physician Assistant	PHAS	8710	Urologic Pharmacology	Expands knowledge of pharmaceuticals to include commonly used medication in the practice of urology as well as pharmaceuticals uniquely used in this practice. Prerequisite: Acceptance in the urology postgraduate physician assistant residency program	1	1	2	0	2
Physician Assistant	PHAS	8720	Radiographic Evaluation	Equips the physician assistant resident with knowledge to obtain, interpret, and apply data from radiographic studies. Prerequisite: Acceptance in the urology postgraduate physician assistant residency program	3	3	2	0	2
Physician Assistant	PHAS	8730	Urodynamics	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. Prerequisite: Acceptance in the Urology postgraduate physician assistant program	3	3	2	0	2
Physician Assistant	SAHS	7110	Principles of Human Physiology	Basic Concepts in human physiology will be presented in lecture and case study format. Prerequisites: Admission to Physician Assistant Program or permission of instructor	3	3	3		
Radiologic Technology	ANAT	3100	Sectional Anatomy	Supplement to radiologic science student's general knowledge of radiologic anatomy through presentation of sectional human anatomy. Anatomy recognition via diagrams, human sections, and radiologic images (including but not limited to CT, MR and sonologic scans) will focus on the head, thorax, abdomen, and pelvis. Content serves	2	2	0	0	4

as a foundation for further study in imaging modalities. Prerequisite: Admission to department programs.

Radiologic Technology	ANAT	3320	Systemic Anatomy	Study of the Anatomy of the Human Body as applicable to Clinical Practice. Lectures, laboratory and demonstration materials are directed studies.	5	5	15	35	0
Radiologic Technology	ANAT	7300	Musculoskeletal Anatomy		4	4		1	
Radiologic Technology	BRTC	3100	Intro Radiologic PT Care	Presentation of fundamental patient care skills needed for entry level radiologic science professionals. Content includes medical assessment, physical assessment, physical assistance, infection control and aseptic technique, drug administration, patient special needs, and medical emergencies. Prerequisite: Admission to program.	1	1	1	0	0
Radiologic Technology	BRTC	3105	Intro Radiologic PT Care Lab		1	1	0	2	0
Radiologic Technology	BRTC	3120	Prof Patient Interaction	Introduction to imaging professional - patient interaction including: profile of imaging professionals, profile of patients in general, elements of effective communication and interaction, and specific patient vignettes. Psychosocial, ethical and medico legal issues are incorporated. Prerequisites: Admission to the program.	1	1	1	0	0
Radiologic Technology	BRTC	3180	Intro Diag Imaging to Rad Ther	Introduction to each of the imaging and therapeutic disciplines within radiologic sciences with focus on understanding the various disciplines through independent research, observing patients undergoing procedures within these disciplines, and didactic presentations. Prerequisite:	1	1	1	0	0

graduate presentations. Prerequisite:  
Admission to program.

Radiologic Technology	BRTC	4140	Adv Radiolog Patient Care	Patient care with emphasis on assessment and medical response in critical care situations. Review and evaluation of patient assessment and treatment protocols. ACLS Prerequisite: Admission to department program	2	2	0	0	4
Radiologic Technology	BRTC	4160	Path for Radiologic Sciences	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: Admission to program.	2	2	0	0	4
Radiologic Technology	BRTC	4400	Mgmt Radiology Department	Application of principles of business administration and personnel management to radiology department, including study of budgeting and financing, personnel interaction, patient scheduling, design and equipment purchasing, and concepts of quality management. Prerequisite: Admission to department program	2	2	0	0	4
Radiologic Technology	BRTC	4620	Rschn Dsgn Stat Mth Rad Sc	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	3	3	3	0	0

and develop it into a research proposal.  
 Prerequisite: Elementary statistics or  
 permission of instructor.

Radiologic Technology	CLSC	3560	Immunology Bas Lab Technq	The course includes basic immunology analyses in didactic and lab experiences as prerequisite to clinical immunology internship course.	3	3	0	4	0
Radiologic Technology	MDOS	4600	Applied Research	Pursuit of a topic or course of study, or investigation of a problem, of interest to student and approved by instructor.	1	1	1	0	0
Radiologic Technology	MDOS	4644	Med Dosimetry Clin Internship	Monthly clinical experiences which include, but are not limited to annual calibrations of equipment with a physicist, dose calculations and treatment planning, radiation safety and quality assurance. Prerequisite: Admission to the program.	5	5	0	0	30
Radiologic Technology	MDOS	4645	Med Dosimetry Clin Intern	Monthly clinical experiences which include, but are not limited to annual calibrations of equipment with a physicist, dose calculations and treatment planning, radiation safety and quality assurance.	6	6	0	0	36
Radiologic Technology	MDOS	4646	Med Dosimetry Clin Intern	Monthly clinical experiences which include, but are not limited to annual calibrations of equipment with a physicist, dose calculations and treatment planning, radiation safety and quality assurance. Prerequisite: Admission to the program.	6	6	0	0	36
Radiologic Technology	MDOS	4648	Applied Project	Directed project in which the student works independently on a project related to radiation oncology or medical dosimetry. Prerequisite: Admission to the program.	4	4	4	0	0
Radiologic Technology	MDOS	4649	Adv Treatment Planning	This course presents general principles of 3D data acquisition and treatment planning. Recognition of human anatomy in three	3	3	3	0	0

dimensional planes, dose tolerances of critical structures and prior knowledge of radiation equipment will be utilized. The student will research evaluate, justify and accurately implement treatment plans in the clinical setting Prerequisite: None

Radiologic Technology	NMMT	3600	Intro to Nuclear Cardio	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. Prerequisite: NMMT 3611 and NMMT 3612	3	3	2	0	1
Radiologic Technology	NMMT	3611	Prin & Prac of Nuc Med I	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.) Prerequisite: Admission to NMT program.	3	3	3	0	0
Radiologic Technology	NMMT	3612	Prin and Prac	Rationale, procedures and technical aspects,	3	3	3	0	0

Nuclear Med II 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. Prerequisite: Pass NMMT 3611 or NMMT 3611 Gwinnette

Radiologic Technology	NMMT	3621	Prin Prac of Nuclear Med Lab I	Web-Based Course. Radiopharmaceutical preparation and quality control, anatomy, and positioning, and the rationale, procedures, and technical aspects of routine imaging procedures are presented. (Part 1 of a two part course.)	1	1	0	2	0
Radiologic Technology	NMMT	3622	Prin Prac of Nuc Med Lab II	Laboratory and research exercises to support techniques of radiopharmaceutical preparatin 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. Prerequisites: Passing grade in NMMT 3611 amd NMMT 3621 and co-enrollment in NMMT 3612.	1	1	0	1	0
Radiologic Technology	NMMT	3623	Clinical Correlation Seminar	Study of nuclear medicine through literature review, discussion groups, and student or guest presentations. Prerequisite: NMMT 3611 AND NMMT 3612	2	2	2	0	0
Radiologic Technology	NMMT	3631	Applied Research 1	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: Enrollment in NMT Program.	1	1	1	0	0

Radiologic Technology	NMMT	3632	Applied Research 2	Web-based course. Students select a basic research topic for clinical application. A suitable paper or report is required. Credit to be awarded is based on the level of difficulty of the project. Prerequisites: Enrollment in the NMT Program.	1	1	0	0	2
Radiologic Technology	NMMT	3641	Clinical Internship	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. Prerequisite: Admission to program.	3	3	0	0	24
Radiologic Technology	NMMT	3642	Clinical Internship	Student observes, assists, and performs routine and cardiac procedures as well as functional studies under supervision of clinical instructor. Prerequisite: NMMT 3641 or NMMT 3641G	3	3	0	0	24
Radiologic Technology	NMMT	4600	Adv Prac in Nuclear Medicine I	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 Prerequisite: Completion of Junior year in Nuclear Medicine Technology Program or Nuclear Medicine Technology Certificate	2	2	2	0	4
Radiologic Technology	NMMT	4602	Applied Research	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: Admission to NMT Program	2	2	0	0	4

Radiologic Technology	NMMT	4610	Adv Prac in Nuc Med Lab I		1	1	0	2	0
Radiologic Technology	NMMT	4631	Applied Research 3	Web-Based course. 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: Enrollment in the NMT Program.	1	1	1	0	0
Radiologic Technology	NMMT	4641	Clinical Practicum	Student performs routine and special function procedures under minimal supervision of the clinical instructor, 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, computer utilization, special radiochemistries and radiopharmacy procedures, CT, ultrasound, or MRI as well as routine nuclear procedures Prerequisite: Senior level status in Nuclear Medicine Technology	2	2	0	0	16
Radiologic Technology	NMMT	4642	Clinical Practicum	Student performs routine and special function procedures under minimal supervision of the clinical instructor, 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, computer utilization, special radiochemistries and radiopharmacy procedures, CT, ultrasound, or MRI, as well as routine nuclear procedures Prerequisite: NMMT 4641 or NMMT 4641G	2	2	0	0	16



Radiologic Technology	NMMT	4650	Adv Prac in Nuclear Med II	Advanced techniques and knowledge of new imaging and therapy technology, and technical aspects of advanced imaging. Prerequisites: Successful completion of NMT junior or certificate year, or RT(N) or CNMT credential.	2	2	2	0	0
Radiologic Technology	NMMT	4651	Adv Prac of Nuclear Med Lab II	Laboratory and research exercises to support advanced techniques and knowledge of new imaging and therap technology, and technical aspects of advanced imaging and therapy presented as student centered learning activities. Prerequisite: Successful completion of NMMT junior/certificate or RT(N), CNMT credential	1	1	0	2	0
Radiologic Technology	PYCS	3100	Physics Diag Imag Info Sys		3	3	3	0	0
Radiologic Technology	PYCS	3200	Sonologic Physics	Course focuses on acoustical physics. Properties and physical principles of ultrasound are covered including: sound production, ultrasound interaction with human tissue, transducers, machine controls, biological effects, and quality assurance techniques. Prerequisite: College Algebra (pre-calculus recommended), completion of SONO 3020 or permission of Instructor/Program Director.	3	3	3	0	0
Radiologic Technology	PYCS	3210	Rad Health Phys Protect Bio	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	3	3	3	0	0
Radiologic Technology	PYCS	3215	Rad Health Phy Protect Bio Lab	Regulations, principles and practices of radiation protection, and information particular to each radiologic specialty and/or modality. Medical aspects of radiobiology	1	1	0	2	0

modality. Medical aspects of radiobiology including cellular, systemic and total body responses

Radiologic Technology	PYCS	4110	Advanced Digital Imaging	Advanced applications of medical digital images and computer systems. Didactic lecture series and hands-on exercises emphasize specialized areas of clinical utilization of computer hardware and software available in medical imaging departments as an instrument of medical diagnosis and therapy. Emphasizes three-dimensional reconstructive techniques. Prerequisite: PreCalculus	2	2	2	1	0
Radiologic Technology	PYCS	4120	Principle instrument CT	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 cline CT. Prerequisite: Admission to the program	3	3	3	0	0
Radiologic Technology	PYCS	4220	Cardiovascular Physics	Course focuses on cardiovascular physics including: instrumentation, physiology, cardiac hemodynamics, and elementary acoustical physics. Prerequisite: PYCS 3200 or Instructor permission	1	1	1	0	0
Radiologic Technology	PYCS	4400	Adv Med Dosimetry Physics	Principles of radiation to include radioactive decay, x-ray production, radiation quality, interactions with matter, detection and measurement of radiation, and radiation safety issues are reviewed. The theory and operation of external beam linear accelerators are discussed. Concepts of clinical radiation transport along with methods to accurately calculate dose are emphasized. Various calculational algorithms, with their clinical implementation, are presented Prerequisite: Admission to the Medical	3	3	3	0	0

Dosimetry program

Radiologic Technology	PYCS	4600	Physics Nuclear Medicine	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: Introduction Radiation Physics	3	3	3	0	0
Radiologic Technology	PYCS	4605	Physics Nuclear Medicine Lab		1	1	0	2	0
Radiologic Technology	PYCS	4620	Adv Physics Nuclear Medicine	Applications of nuclear medicine computer systems. Didactic lecture series and hands-on laboratory exercises emphasize the specialized areas of clinical utilization of computer hardware and software currently available in nuclear medicine departments as an instrument of medical diagnosis. Course also addresses physical principles and quality control of SPECT and PET imaging. Prerequisite: PYCS 3100 & PYCS 4600	3	3	3	0	0
Radiologic Technology	PYCS	4800	Physics Radiation Oncology	Introduction to radiation physics with emphasis on radiation therapy physics. 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: Pre-Calculus or permission of instructor	4	4	4	0	0
Radiologic Technology	PYCS	4820	Radiation Oncology	Application of physics learned in PYCS 4800 to radiation oncology. Concepts of dose	3	3	3	0	0

Dosimetry -- distribution in tissue patient treatment approaches and planning techniques. Calculation systems for photon, electron, and Brach therapy 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 radiation dosimetry Prerequisite: PYCS 4800

Radiologic Technology	RADT	3601	Principles Radiation Oncology	An overview of radiation therapy to include medical terminology, patient care, basic machine usage, communication skills, as well as the rationale of radiation therapy and related subject matters. Prerequisite: Admission to the program.	4	4	4	0	0
Radiologic Technology	RADT	3641	Rad Oncology Clin Intern	Students work with the clinical personnel in a team approach to radiation therapy treatment, planning and patient care. Prerequisite: Admission to the program.	4	4	0	0	24
Radiologic Technology	RADT	3642	Rad Oncology Clin Internship	Students work with the clinical personnel in a team approach to radiation therapy treatment, planning and patient care. Prerequisite: Admission to the program.	4	4	0	0	24
Radiologic Technology	RADT	3643	Rad Oncology Clin Internship		5	5	0	0	36
Radiologic Technology	RADT	4600	Applied Research	Pursuit of a topic or course of study, or investigation of a problem, of interest to student and approved by instructor.	1	1	1	0	0
Radiologic Technology	RADT	4603	Qual Assur Rad Oncology Lab		1	1	0	2	0
Radiologic Technology	RADT	4613	Quality Assur Rad Onc	Overview of quality assurance in radiation therapy to include methods of monitoring function of radiation therapy equipment, maintenance of complete and accurate patient records and records reflecting function of equipment, as well as routine	1	1	1	0	0

function of equipment, as well as routine checks for general condition of treatment room. Prerequisite: Admission to the program.

Radiologic Technology	RADT	4614	Rad Oncol Simulate Proced	General principles of patient simulation including familiarization with equipment, patient positioning, and the rationale for simulation of radiation therapy portals. Prerequisite: Admission to the program	2	2	2	0	0
Radiologic Technology	RADT	4615	Radiation Oncology Seminar	Review of radiation therapy literature through research, discussions and student or guest presentation. Prerequisite: Senior standing or permission of instructor.	3	3	3	0	0
Radiologic Technology	RADT	4621	Cancer Mgmt Rad Oncology		3	3	3	0	0
Radiologic Technology	RADT	4640	Rad Oncology Clin Internship	Students work with the clinical personnel in a team approach to radiation therapy treatment, planning and patient care. Prerequisite: Admission to the program.	4	4	0	0	24
Radiologic Technology	RADT	4641	Rad Oncology Clin Internship	Students work with the clinical personnel in a team approach to radiation therapy treatment, planning and patient care. Prerequisite: Admission to the program.	3	3	0	0	18
Radiologic Technology	RADT	4642	Rad Oncology Clin Internship	Students work with the clinical personnel in a team approach to radiation therapy treatment, planning and patient care. Prerequisite: Admission to the program.	3	3	0	0	24
Radiologic Technology	RADT	4643	Rad Oncology Clin Internship	Students work with the clinical personnel in a team approach to radiation therapy treatment, planning and patient care.	6	6	0	8	30
Radiologic Technology	RADT	4648	Applied Project	Directed project in which the student works independently on a project related to radiation oncology or medical dosimetry Prerequisite: Admission to the program.	4	4	4	0	0
Radiologic Technology	SONO	3020	Sonologic Instrumentation	Course emphasizes utilization and understanding of sonographic equipment and	1	1	1	0	0

controls through problem-based learning. Students apply basic physical principles of ultrasound to pathologies presented in case format. Prerequisites: Acceptance in DMS Program.

Radiologic Technology	SONO	3100	Clinical Internship 1	Students participate in various clinical learning areas. Course introduces clinical applications of dynamic real-time and Doppler imaging. Students learn scanning expertise through supervised active participation in clinical environment. Proof of clinical competence and special clinical projects complete course.	4	4	0	0	24
Radiologic Technology	SONO	3110	Clinical Internship 2	Students participate in various clinical learning areas. Students continue to develop scanning expertise through supervised active participation in clinical environment. Proof of clinical competence and special clinical projects complete course. Prerequisite: SONO 3100 or permission of Program Director	4	4	0	0	24
Radiologic Technology	SONO	3120	Clinical Internship 3	Students participate in various clinical learning areas. Students continue to develop scanning expertise through supervised active participation in clinical environment. Proof of clinical competence and special clinical projects complete course. Prerequisite: SONO 3100 and SONO 3110, or permission of Program Director.	4	4	0	0	24
Radiologic Technology	SONO	3200	Sono Applic 1 ABD OB GYN	Course introduces students to sonographic scanning in areas of abdomen, obstetrics, gynecology, male pelvis, small parts, extra-cranial structures, and intracranial structures. Emphasizes normal imaging anatomy, scanning protocols, and image orientation. Students learn Doppler ultrasound application for arterial and venous systems of above	2	2	2	0	0

areas. Prerequisites: Acceptance into DMS Program.

Radiologic Technology	SONO	3205	Sonologic Applic Laboratory I	Course introduces students to hands-on sonographic scanning in areas of abdomen, gynecology, and small parts. Emphasizes practical aspects of normal imaging anatomy, scanning protocols, and image orientation. Students learn Doppler ultrasound application for arterial and venous systems of above areas. Prerequisites: Acceptance into the DMS Program	1	1	0	2	0
Radiologic Technology	SONO	3210	Sono Applicat II ABD OB GYN	Course focuses on pathologic changes occurring in anatomical areas covered in SONO 3200. Emphasis is placed on all ultrasound imaging modes and their role in pathology recognition. Prerequisites: SONO 3200, SONO 3205, SONO 3100, ANAT 3100, BRTC 3100, SONO 3020.	4	4	4	0	0
Radiologic Technology	SONO	3215	Sono Application Laboratory II	Course continues to develop hands-on sonographic scanning skills and techniques in areas of abdomen, obstetrics, gynecology, and small parts. Emphasizes practical aspects of imaging and recognizing pathologic changes to the normal sonographic appearance. Prerequisites: SONO 3200, SONO 3205, SONO 3100, ANAT 3100, BRTC 3100, SONO 3020.	1	1	0	2	0
Radiologic Technology	SONO	3220	Sono Applic 3 ABD OB GYN	Course emphasizes advanced techniques and invasive procedures in learning subjects studied in SONO 3200 and SONO 3210. Successful completion of course requires passing grade on program exit examination. SAHS 3610, SONO 3210, SONO 3215	3	3	3	0	0

SAHS 3610, SONO 3210, SONO 3215,  
SONO 3110, PYCS 3200, BRTC 4160

Radiologic Technology	SONO	3225	Sonologic Laboratory III	Course emphasizes hands-on sonographic scanning skills and techniques for advanced techniques and invasive procedures of sonography. Prerequisites: SAHS 3610, SONO 3210, SONO 3215, SONO 3110, PYCS 3200, BRTC 4160	1	1	0	2	0
Radiologic Technology	SONO	4030	Applied Research	Course allows students to explore topics of interest in diagnostic medical sonography through completion of project.	1	1	0	0	2
Radiologic Technology	SONO	4040	Sonographic Seminar	Course combines physician and sonographer advanced echocardiography content lectures with preparation and presentation of digital imaging project. Prerequisite: Completion of Senior Fall and Spring semester courses or permission of Program Director.	3	3	3	0	0
Radiologic Technology	SONO	4130	Clinical Internship 4	Students participate in various clinical learning areas. Course introduces clinical applications of dynamic real-time and Doppler imaging in cardiac and vascular technologies. Students learn scanning expertise through supervised active participation in clinical environment. Proof of clinical competence and special clinical projects complete course. Prerequisite: SONO 3100, SONO 3110 and SONO 3120 or permission of Program Director.	4	4	0	0	24
Radiologic Technology	SONO	4140	Clinical Internship 5	Students participate in various clinical learning areas. Students continue to learn scanning expertise through supervised active participation in clinical environment. Proof of clinical competence and special clinical projects complete course. Prerequisite: SONO 4130 or permission from Program	4	4	0	0	24



SONO 4100 or permission from Program Director.

Radiologic Technology	SONO	4150	Clinical Internship 6	Students participate in a variety of clinical learning areas. Students continue to develop scanning abilities through supervised active participation in clinical environment. Proof of clinical competence and special clinical projects complete course. Prerequisite: SONO 4130 and SONO 4140 or permission of Program Director.	4	4	0	0	24
Radiologic Technology	SONO	4700	Intro to Vascular Sonography	Course introduces normal vascular anatomy with procedural protocols as well as focusing on pathological processes associated with vascular sonography. Prerequisites: ANAT 3320, SONO 3220, SONO 3225, SONO 3120	2	2	2	0	0
Radiologic Technology	SONO	4705	Intro to Vascular Laboratory	Course introduces hands-on sonographic techniques for vascular procedural protocols and recognition of normal vascular anatomy. Prerequisites: ANAT 3320, SONO 3220, SONO 3225, SONO 3120	1	1	0	2	0
Radiologic Technology	SONO	4800	Sono App of Echocardiography I	Course introduces normal adult cardiac anatomy and imaging techniques including two-dimensional, M-mode, and cardiac Doppler. ANAT 3320, SONO 3220, SONO 3225 SONO 3120	2	2	0	0	0
Radiologic Technology	SONO	4805	Echocardiography Laboratory I	Course introduces normal cardiac hands-on imaging techniques including two-dimensional, M-mode, and cardiac Doppler. Prerequisites: ANAT 3320, SONO 3220, SONO 3225, SONO 3120	1	1	0	2	0
Radiologic Technology	SONO	4810	Sono Applic of Echocardio II	Course focuses on cardiovascular pathologies associated with the adult patient. Prerequisite: Completion of Senior Fall and Spring semester courses or permission of Program Director	4	4	4	0	0

Program Director.

Radiologic Technology	SONO	4815	Echocardiography Laboratory II	Course continues the development normal adult cardiac hands-on imaging techniques including two-dimensional, M-mode, and cardiac Doppler and expands student skills to include advanced techniques and testing. Prerequisite: Completion of Senior Fall and Spring semester courses or permission of Program Director.	1	1	0	2	0
Radiologic Technology	SONO	4820	Sonologic App Echocar III	Course focuses on advanced echocardiographic techniques such as pharmacologic, exercise, contrast, transesophageal, and three-dimensional echocardiography., Successful completion of course requires passing grade on program exit examination. Prerequisite: Completion of Senior Fall and Spring semester courses or permission of Program Director.	4	4	4	0	0
Radiologic Technology	SONO	4830	Pediatric Echocardiography	Course focuses on congenital and acquired cardiovascular pathologies present in pediatric patient. Prerequisite: Completion of Senior Fall semester courses or permission of Program Director.	2	2	2	0	0
Radiologic Technology	SONO	4840	Cardiac Evaluation Method	Course correlates diagnostic information obtained from echocardiography with other methods of cardiac evaluations. Prerequisite: Completion of Senior Fall and Spring semester courses or permission of Program Director.	2	2	2	0	0
Respiratory Therapy	RTHP	3199	Medical Terminology	A self-study course introducing use of medical terminology. Programmed learning emphasizing work/construction, definition and use of medical terms.	1	1	2		50
Respiratory Therapy	RTHP	3204	Fund of Resp Care	An integrated approach to principles and	4	4	4	0	0

Prac I applications of cardiopulmonary physiology, physical assessment, and basic respiratory care equipment and techniques. Pre-requisites: Acceptance into the program and concurrent enrollment in RTHP 3208, or permission of the instructor.

Respiratory Therapy	RTHP	3206	Geriatrics & Pulm Rehab	Introduction to gerontology and health promotion for patients with chronic pulmonary diseases, emphasizing exercise physiology, health assessment and education of geriatric patients, components of a multidisciplinary pulmonary rehabilitation program, and end-of-life issues. Pre-requisites: Successful completion of previous RTHP courses or permission of the instructor.	2	2	2	0	
Respiratory Therapy	RTHP	3208	Fund Resp Care Prac Lab I	The companion lab for RTHP 3204, providing students an integrated approach to patient assessment, basic respiratory care equipment, and patient care. Pre-requisites: Acceptance into the program and concurrent enrollment in RTHP 3204 or permission of the instructor.	2	2	0	4	2
Respiratory Therapy	RTHP	3211	Intro Prob Base Lrning	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.	1	1	1	3	0
Respiratory Therapy	RTHP	3212	Respiratory Care Pharmaco	An in-depth study of the concepts and principles of respiratory care pharmacology. The course includes study of the basic principles of pharmacology and drugs used to treat the respiratory system. Also included is	3	3	3	0	

treat the respiratory system. Also included is a study of critical care and cardiovascular drugs. Pre-requisites: Successful completion of previous RTHP courses or permission of the instructor.

Respiratory Therapy	RTHP	3304	Fund of resp Care Prac II	A continuation of an integrative approach to the study and application of concepts in cardiopulmonary physiology, physical assessment, and respiratory care equipment technology. Pre-requisites: Successful completion of previous RTHP courses and concurrent enrollment in RTHP 3308, or permission of the instructor.	2	2	2	0	0
Respiratory Therapy	RTHP	3308	Fund Res Care Prac Lab II	The companion lab for RTHP 3304, providing students an integrated approach to patient assessment, basic respiratory care equipment and patient care techniques. Pre-requisites: Successful completion of previous RTHP courses and concurrent enrollment in RTHP 3304, or permission of the instructor.	1	1	0	2	0
Respiratory Therapy	RTHP	3311	Cardiopulmonary Pthphy I	Clinical signs, symptoms, diagnosis, and management of selected cardiopulmonary diseases emphasizing the role of respiratory care professionals. Pre-requisites: Successful completion of previous RTHP courses or permission of the instructor.	4	4	0	0	0
Respiratory Therapy	RTHP	3314	Special Procedure in Resp Care	Students will learn advanced respiratory care procedures and patient assessment techniques with the emphasis placed on cardiopulmonary anatomy, identifying EKGs, airway care, and patient monitoring. Pre-requisites: Successful completion of previous RTHP courses and concurrent enrollment in RTHP 3317, or permission of the instructor.	3	3	3	0	0

Respiratory Therapy	RTHP	3317	Adv Resp Care Tech Labs	The companion lab for RTHP 3314. This course covers clinical applications of material presented in RTHP 3314 as well as relevant cardiopulmonary anatomy. Pre-requisites: Successful completion of previous RTHP courses and concurrent enrollment in RTHP 3314, or permission of the instructor.	1	1	0	3	0
Respiratory Therapy	RTHP	3350	Intro to Arterial Blood Gas	This course provides an introduction to the physiologic and pathophysiologic bases for ABG interpretation. Prerequisites: Satisfactory completion of all previous respiratory therapy course work or permission of instructor.	1	1	1	0	0
Respiratory Therapy	RTHP	3525	Clinic 1	Students perform respiratory care procedures in acute care areas and alternate sites with emphasis place on patient assessment and basic care techniques. Prerequisites: Successful completion of previous RTHP courses or premission of the instructor.	4	4	0	0	8
Respiratory Therapy	RTHP	3707	IND STUDY: QUALITY MGMT	The study and/or application of quality management processes as related to an area of Respiratory Therapy. Prerequisites: Permission of the instructor.	1	1			
Respiratory Therapy	RTHP	4114	Intro Vent-Patient Mgmt	A study of intensive respiratory care ventilator-2 patient management. Course emphasizes ventilator function, waveform analysis, and patient assessment. Pre-requisites: Successful completion of previous RTHP courses and concurrent enrollment in RTHP 4117, or permission of the instructor.	2	2	2	0	0
Respiratory Therapy	RTHP	4117	Intro to Ventilator-	A study of intensive respiratory care ventilator-1	1	1	0	3	0

Patient Lab  
 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.

Respiratory Therapy	RTHP	4124	Neonatal & Ped Resp Care	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. Pre-requisites: Satisfactory completion of all previous RTHP courses and concurrent in RTHP 4127 or permission of instructor.	2	2	2	0	0
Respiratory Therapy	RTHP	4127	Neo & Ped Resp Care Lab	Hands on experience with equipment and techniques used in neonatal and pediatric respiratory Care. Pre-requisites: Successful completion of semester RTHP courses and concurrent enrollment in RTHP 4124, or permission of the instructor.	1	1	0	2	0
Respiratory Therapy	RTHP	4150	Adv Arterial Blood Gas Interpr	This course uses a problem-based approach to the interpretation and treatment of mixed acid-base disorders. Prerequisites: Satisfactory completion of all previous respiratory therapy course work or Permission of Instructor.	1	1	1		
Respiratory Therapy	RTHP	4303	Independent Study		1	1	1		
Respiratory Therapy	RTHP	4304	INDV STUDY: MKTG RSP CARE	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.	1	1	1		

Respiratory Therapy	RTHP	4305	INDV STUDY: CURR TOPICS	The study and/or application of basic research principles in a current topic of respiratory care. Prerequisites: Permission of the instructor.	1	1	1		
Respiratory Therapy	RTHP	4306	INDV STUDY: IMPV MECH VEN	Study and evaluation of new modes and methods of mechanical ventilation to include pulmonary diagnostics using waveform analysis. Prerequisites: Permission of the instructor.	1	1	1		
Respiratory Therapy	RTHP	4307	INDV STUDY: CUR TPCS PEDS	Study of current topics impacting neonatal and/or pediatric respiratory care. Prerequisites: Permission of the instructor.	1	1	1		
Respiratory Therapy	RTHP	4308	Techniques of Cln Instruc		1	1	1		1
Respiratory Therapy	RTHP	4411	Cardiopulmonary Pthhy II	Clinical signs, symptoms, diagnosis, and management of selected cardiopulmonary diseases emphasizing the role of respiratory care professionals. Students' patient assessment, communication, and peer teaching skills are emphasized in small groups using the problem-based learning approach. Pre-requisites: Satisfactory completion of all previous RTHP courses or permission of instructor.	3	3	3	0	0
Respiratory Therapy	RTHP	4412	Clinical Presentations	A study of pulmonary conditions requiring critical care management and mechanical ventilation with an emphasis on the role of Respiratory Care. The course provides experience in searching medical records and support materials to make a written and verbal presentation of an actual clinical case. Pre-requisites: Satisfactory completion of all previous RTHP courses or permission of instructor.	3	3	1	4	0
Respiratory Therapy	RTHP	4414	Hemodynamic	The Student will learn invasive and non-	1	1	1	1	0

## Monitoring

invasive techniques of hemodynamic monitoring used on critically ill patients.  
Prerequisites: Satisfactory completion of all previous RTHP courses or permission of the instructor.

Respiratory Therapy	RTHP	4426	Clinic 2	Students perform respiratory care procedures in acute care areas or alternate sites with emphasis placed on basic patient care techniques. Pre-requisites: Satisfactory completion of all previous RTHP courses or permission of instructor.	1	1	0	0	8
Respiratory Therapy	RTHP	4427	Clinic 3	Students perform respiratory care procedures in intensive care areas or alternate sites with emphasis placed on patient assessment and advanced patient care techniques. Prerequisites: Successful completion of previous RTHP courses and concurrent enrollment in RTHP 4428, or permission of the instructor.	1	1	0	0	8
Respiratory Therapy	RTHP	4428	Clinic 4	Students perform respiratory care procedures in intensive care areas and alternate sites with emphasis placed on patient assessment and advanced patient care techniques. Prerequisites: Successful completion of previous RTHP courses and concurrent enrollment in RTHP 4427, or permission of the instructor.	6	6	0	0	12
Respiratory Therapy	RTHP	4429	Clinic 5	Students perform respiratory care procedures in intensive care areas and alternate sites with emphasis placed on patient assessment and advanced patient care techniques. Prerequisites: Successful completion of previous RTHP courses and concurrent enrollment in RTHP 4430, or permission of the instructor.	1	1	0	0	8



Respiratory Therapy	RTHP	4430	Clinic 6	Students perform respiratory care procedures in intensive care areas and alternate sites with emphasis placed on patient assessment and advanced patient care techniques. Prerequisites: Successful completion of previous RTHP courses and concurrent enrollment in RTHP 4429, or permission of the instructor.	2	2	0	0	12
Respiratory Therapy	RTHP	4431	Clinic 7	Students will travel to external clinical affiliates where they will receive extensive experience in the practice of respiratory care. Prerequisites: Successful completion of previous RTHP courses or permission of the instructor.	3	3	0	0	40
Respiratory Therapy	RTHP	4450	Respiratory Care Seminar	Course includes discussion of recent trends in respiratory care. Students prepare a resume and practice interview/communication skills. Comprehensive written and clinical simulation examinations are administered. Pre-requisites: Successful completion of previous RTHP courses or permission of the instructor.	2	2	0	0	5
Respiratory Therapy	RTHP	4501	Ind Clinical Prac 1		1	1	1		
Respiratory Therapy	RTHP	4502	Ind Clinical Prac 2		1	1	1		
Respiratory Therapy	RTHP	4514	Adv Vent Patient Mgmt	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.	2	2	2	0	0
Respiratory Therapy	RTHP	4517	Adv Vent-Patient Mgmt Lab	Laboratory for RTHP 4514 emphasizing advanced waveform analysis, and pulmonary	2	2	0	4	4

function testing procedures. Prerequisites:  
 Successful completion of previous RTHP  
 courses and concurrent enrollment in RTHP  
 4514, or permission of the instructor.

Respiratory Therapy	RTHP	4540	Rsch Respiratory Care	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.	2	2	2	2	0
Respiratory Therapy	RTHP	4701	Carpul Pathpophy Ped Ast		2	2			6
Respiratory Therapy	RTHP	4702	Carpulm Patophy Styd Tram		2	2			6
Respiratory Therapy	RTHP	4703	Carpulm Patophy Styd Copd		2	2			6
Respiratory Therapy	RTHP	4704	Carpulm Patophy Hrt Failu		2	2			6
Respiratory Therapy	RTHP	4705	Carpulm Patophy Slp Apnea		2	2			6
Respiratory Therapy	RTHP	4706	PATOPHY STDY BURN		2	2			6
Respiratory Therapy	SAHS	3110	Human Physiology	Introduction to the major systems of the body, how they are controlled in health, and the pathological effects of system dysfunction.	3	3	3		

# MCG CATALOG

[MCG Catalog](#) > [School of Allied Health Sciences](#)

## School of Allied Health Sciences

### Bachelor of science

- [Biomedical and Radiological Technologies](#)
- [Dental Hygiene](#)
- ▣ [Health Information Administration](#)
- ▣ [Physician Assistant](#)
- [Respiratory Therapy](#)

### Master of public health

- [Health Informatics](#)

### Master of science

- [Medical Illustration](#)

### Master of health science

- ▣ [Occupational Therapy](#)

### Master of physician assistant

- [Physician Assistant](#)

### DOCTORATE PROGRAMS

- [Physical Therapy](#)

### RELATED LINKS

- [School of Allied Health Sciences Home Page](#)
- ▣ [Course Descriptions \(Pulse\)](#)

- Policies and Procedures
- School of Allied Health Sciences Faculty

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# MCG CATALOG

[MCG Catalog > Accreditation](#)

## Accreditation

The Medical College of Georgia is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1886 Southern Lane, Decatur, Georgia 30033-4097, telephone number 404-679-4501) to award one-year and advanced certificates and degrees at the associate, baccalaureate, master's, first professional and doctoral level.

- [Accreditation at MCG](#)

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# MCG CATALOG

[MCG Catalog](#) > [School of Allied Health Sciences](#) > [Medical Illustration](#)

## **School of Allied Health Sciences: Medical Illustration**

Direct links to specific pages outside of the Catalog are provided here for your convenience.

### Master of science in medical illustration

- [Medical Illustration Home Page](#)
- [Admission Requirements](#)
- [Curriculum](#)
- [Course Descriptions \(PDF\)](#)

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# MCG CATALOG

MCG Catalog > School of Allied Health Sciences > Biomedical and Radiological Technologies > Radiation Therapy Technology Curriculum

## School of Allied Health Sciences: Biomedical and Radiological Technologies Radiation Therapy Technology Curriculum

### Bachelor of Science with concentration in Radiation Therapy Technology

#### Junior Year

		<b>Credit Hours</b>
<b>Fall</b>		
RSC3634	Rad Protection & Biology	*4
RTT4601	Principles of Rad Oncology	4
RSC3611	Intro to Radiologic Patient Care	*2
RTT3641	Rad Oncology Clinical Internship	4
<b>Semester Total</b>		<b>14</b>

#### Spring

PCS4631	Physics of Radiation Oncology	4
RTT4613	Quality Assurance for Rad Oncology	2
RTT4621	Cancer Management in Rad Oncology	3
RTT4614	Rad Oncology Simulation Procedures	2
RTT3642	Rad Oncology Clinical Internship	4
<b>Semester Total</b>		<b>15</b>

#### Summer

RSC4602	Sectional Anatomy	*2
RSC3602	PBL in Radiology PT. Management	*1
RTT3643	Rad oncology Clinical Internship	6
<b>Semester Total</b>		<b>9</b>

#### Fall

RSC4653	Statistical Methods and Research Design in the Radiologic Sciences	3(elective)
AHS3610	Ethics	*1
PCS4632	Radiation Oncology Dosimetry	3

RTR4631	Principles & Instrumentation of CT	*3
RTT 4640	Rad oncology Clinical Internship	4
<b>Semester Total</b>		<b>14</b>
 <b>Spring</b>		
RSC4621	Pathology	*2
RTT4615	Radiation Oncology Seminar	3
RTT4648	Applied Project	4
RTT4642	Rad Oncology Clinical Internship	4
<b>Semester Total</b>		<b>13</b>

\* Courses with an asterisk may be transferred from a previous health curriculum provided the content is equivalent.



# MCG CATALOG

MCG Catalog > School of Allied Health Sciences > Biomedical and Radiological Technologies > Medical Dosimetry Curriculum

## School of Allied Health Sciences: Biomedical and Radiological Technologies Medical Dosimetry Curriculum

### Bachelor of Science with concentration in Medical Dosimetry (for certified radiation therapists only)

#### Junior Year

<i>Fall</i>		<i>Credit Hours</i>
RTR 4631	Principles and Instrumentation of CT	3
RSC 4602	Sectional Anatomy	2
PCS 4637	Advanced Medical Dosimetry Physics	3
RTT 4644	Medical Dosimetry Clinical Internship	5
	<b>Semester Total</b>	<b>13</b>

#### *Spring*

RTT 4649	Medical Dosimetry Special Topics	3
RTT 4645	Medical Dosimetry Clinical Internship	6
	<b>Semester Total</b>	<b>9</b>

#### *Summer*

ANM 3320	Systemic Anatomy	5
RTT 4646	Medical Dosimetry Clinical Internship	6
	<b>Semester Total</b>	<b>11</b>

# MCG CATALOG

MCG Catalog > School of Allied Health Sciences > Biomedical and Radiological Technologies > NMT Curriculum

## School of Allied Health Sciences: Biomedical and Radiological Technologies

### Nuclear Medicine Technology Curriculum

<b>Junior Year</b>	<b>Credit Hours</b>
<b>Fall</b>	
PYCS 3210 Radiation Protection and Detection	4
BRTC 3100 Introduction to Patient Care	2
NMMT 3611 Principles of Nuclear Medicine I	3
NMMT 3621 Principles of Nuclear Medicine I Lab	1
NMMT 3641 Clinical Internship	3
<b>Semester Total</b>	<b>13</b>
<b>Spring</b>	
SAHS 4300 Professional Issues	2
NMMT 3612 Principles of Nuclear Medicine II	3
NMMT 3622 Principles of Nuclear Medicine II Lab	1
NMMT 3631 Applied Research I	2
PYCS 4600 Physics and Instrumentation of Nuclear Medicine	4
NMT 3642 Clinical Internship	3
<b>Semester Total</b>	<b>15</b>
<b>Summer</b>	
NMMT 3600 Introduction to Nuclear Cardiology	2
NMMT 3620 Into to Nuclear Cardiology Lab	1
RSC 3602 PBL in Radiology Patient Management	1
NMT 3643 Clinical Internship	5

AHS 4300	Professional Issues (Elective)	1
NMT 3623	Clinical Correlation	1
NMMT4602	Independent Study	1
	<b>Semester Total</b>	<b>12</b>

**Senior  
Year**

***Fall***

ANAT 3100	Sectional Anatomy	2
PYCS 4120	Principles and Instrumentation of CT	2
BRTC 4620	Statistical Methods and Research Design in the Radiologic Sciences	3
NMT 4600	Advanced Practice in Nuclear Medicine I	3
NMT 4641	Clinical Practicum	2
	<b>Semester Total</b>	<b>12</b>

***Spring***

BRTC 4610	Advanced Radiologic Patient Care	2
BRTC 4621	Pathology for Radiologic Sciences	2
NMMT 4642	Clinical Practicum	2
NMMT 4650	Advanced Practice in Nuclear Medicine II	2
NMMT 4651	Advanced Practice in Nuclear Medicine II Lab	1
NMMT 4631	Applied Research III	2
BRTC 4632	Healthcare Management	2
	<b>Semester Total</b>	<b>13</b>

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# MCG CATALOG

MCG Catalog > School of Allied Health Sciences

## School of Allied Health Sciences - Biomedical and Radiological Technologies

Admissions Criteria

### On-Campus 2+2 Transfer Program

Admission is based on the applicant's prior academic performance at the college level, personal interviews, and assessment of personal qualities needed to successfully complete the program.

1. 1. Prior to enrollment, the applicant must have completed a [core curriculum](#) of 60 semester hours at
2. another accredited college or university.
- 3.
4. 2. A grade point average of at least 2.5 (on a 4.0 scale) on all previous college work is required for
5. consideration. Coursework more than 10 years old must be updated in organic chemistry,
6. microbiology,
7. and algebra.
8. 3. Two letters of recommendation are required.
- 9.
10. 4. Interviews are by invitation only.
- 11.
12. 5. Applicants whose first language is not English must submit official [TOEFL](#) scores. A minimum score of
13. 213 on the computer-based exam or 550 on the paper exam is required for admission consideration.
- 14.

The Admissions Committee selects the applicants who seem best qualified for the program from among those who apply. Application forms are available from the [Office of Academic Admissions](#).

Applications for admission are encouraged by March 1, but will continue to be processed until the class has been filled.

### Internet 2+2 Transfer Program

Admission is based on the applicant's prior academic performance at the college level, personal interviews, and assessment of personal qualities needed to successfully complete the program.

1. 1. Prior to enrollment, the applicant must have completed a [core curriculum](#) of 60 semester hours at
2. another accredited college or university.
- 3.
4. 2. A grade point average of at least 2.5 (on a 4.0 scale) on all previous college work is required for
5. consideration. Coursework more than 10 years old must be updated in organic chemistry,
6. and algebra.
- 7.
8. 3. Two letters of recommendation are required.
- 9.
10. 4. Interviews are by invitation only.
- 11.
12. 5. Applicants whose first language is not English must submit official [TOEFL](#) scores. A minimum score of
13. 213 on the computer-based exam or 550 on the paper exam is required for admission consideration.
- 14.
15. 6.
16. 2+2 Internet program students will need access to clinical laboratory affiliate for the required internship.
17. Contact School of Medical Technology for clinical affiliate information at (800) 723-7414.

The Admissions Committee selects the applicants who seem best qualified for the program from among those who apply. Application forms are available from the [Office of Academic Admissions](#).

Applications for admission are encouraged by March 1, but will continue to be processed until the class has been filled.

## One-year and Internet distance articulation programs for certified MLTs and certified CLTs

Admission is based on the applicant's prior academic performance at the college level, personal interviews, and assessment of personal qualities needed to successfully complete the program.

1. 1. Prior to enrollment, the applicant must have completed a [core curriculum](#) of 60 semester hours at
2. another accredited college or university.
- 3.
4. 2. A grade point average of at least 2.5 (on a 4.0 scale) on all previous college work is required for
5. consideration. Coursework more than 10 years old must be updated in organic chemistry,

- microbiology,
- 6. and algebra.
- 7.
- 8. 3. Professional certification as a MLT(ASCP) and/or CLT(NCA), or other national agency is required.
- 9.
- 10. 4. Two letters of recommendation are required.
- 11.
- 12. 5. Interviews are by invitation only.
- 13.
- 14. 6. Applicants whose first language is not English must submit official TOEFL scores. A minimum score of
- 15. 213 on the computer-based exam or 550 on the paper exam is required for admission consideration.
- 16.
- 17. 7. Internet distance program applicants must be employed in or have access to a clinical laboratory for
- 18. required internship projects.
- 19.

The Admissions Committee selects the applicants who seem best qualified for the program from among those who apply. Application forms are available from the [Office of Academic Admissions](#).

Applications for admission are encouraged by March 1, but will continue to be processed until the class has been filled.

## One-year program for college graduates with bachelors degrees in science

Admission is based on the applicant's prior academic performance at the college level, personal interviews, and assessment of personal qualities needed to successfully complete the program. Specific requirements are as follows:

- 1. 1. All applicants must hold a bachelor of science degree in biology, chemistry, microbiology, or related
- 2. science field from an accredited college or university.
- 3.
- 4. 2. At least 16 semester hours of biology courses (including microbiology and immunology), at least 13
- 5. semester hours of chemistry courses (including one semester of biochemistry), and three semester
- 6. of college algebra or higher-level math are required.
- 7.
- 8. 3. A grade point average of at least 2.75 (on a 4.0 scale) on all previous college work and an
- 9. average of at
- 10. least 2.75 on science courses are required for consideration. Coursework more than 10 years old must be
- 11. updated in organic chemistry, microbiology, and algebra.

- 11.
12. 4. Interviews are by invitation only.
- 13.
14. 5. An interview is required.
- 15.
16. 6. Applicants whose first language is not English must submit official **TOEFL** scores. A minimum score of
17. 213 on the computer-based exam or 550 on the paper exam is required for admission consideration.
- 18.

The Admissions Committee selects the applicants who seem best qualified for the program from among those who apply.

Application forms are available from the [Office of Academic Admissions](#).

Applications for admission are encouraged by March 1, but will continue to be processed until the class has been filled.



# MCG CATALOG

MCG Catalog > School of Allied Health Sciences > Biomedical and Radiological Technologies > NMT Curriculum

## School of Allied Health Sciences: Biomedical and Radiological Technologies Diagnostic Medical Sonography Curriculum

### Bachelor of Science with concentration in Diagnostic Medical Sonography

#### Junior Year

**Credit  
Hours**

#### *Fall*

RSC 3611	Introduction to Patient Care	2
RSC 4602	Sectional Anatomy	2
DMS 3611	Sonography Application I: Abd/OB/GYN	3
DMS 3610	Sonographic Instrumentation	1
DMS 3641	Clinical Internship I	4
	<b>Semester Total</b>	<b>12</b>

#### *Spring*

AHS 3610	Ethics in Health Professionals	1
DMS 3614	Sonography Applications II: Abd/OB/GYN	5
PCS 3650	Sonologic Physics	3
DMS 3642	Clinical Internship II	4
RSC 4621	Pathology for Radiologic Sciences	2
	<b>Semester Total</b>	<b>15</b>

#### *Summer*

DMS 3615	Sonography Application III: Abd/OB/GYN	4
ANM 3320	Systemic Anatomy	5
DMS 3643	Clinical Internship III	4
	<b>Semester Total</b>	<b>13</b>

#### Senior Year

#### *Fall*

DMS 4625	Introduction to Vascular	3
DMS 4627	Sonologic Application of	3

DMS 4621	Cardiovascular Physics	1
DMS 4641	Clinical Internship IV	4
DMS 4623	Independent Study	2
	<b>Semester Total</b>	<b>13</b>

**Spring**

	U.S. Healthcare Delivery System	1
RSC 4610	Advanced Radiologic Patient Care	2
DMS 4629	Pediatric Echocardiography	2
DMS 4631	Sonologic Application of Echocardiography II	5
DMS 4642	Clinical Internship V	4
	<b>Semester Total</b>	<b>14</b>

**Summer**

DMS 4637	Sonographic Seminar	3
DMS 4633	Cardiac Evaluation Methods	2
DMS 4635	Sonologic Application of Echocardiography IIII	4
DMS 4643	Clinical Internship VI	4
	<b>Semester Total</b>	<b>13</b>

# MCG CATALOG

[MCG Catalog](#) > [School of Allied Health Sciences](#) > [Biomedical and Radiological Technologies](#) > [NMT Curriculum](#)

## School of Allied Health Sciences: Biomedical and Radiological Technologies

### Certificate in Diagnostic Medical Sonography Curriculum

The 12-month curriculum is designed for those previously qualified in a clinically related health profession. It provides professionals with the educational requirements and clinical experience to sit for the ARDMS examinations in physics/ultrasound and instrumentation and the imaging specialties of abdomen and obstetrics/gynecology. Observation (eight hours) in a sonology lab prior to consideration for acceptance is required.

#### Academic Requirements

Applicants for admission must have a high school diploma or equivalent and have qualification in a clinically related health profession, with a minimum of two years of education in an accredited educational program. Examples of such professions are radiography, nuclear medicine technology, medical technology, nursing, etc. A composite of an applicant's academic record, references, motivation and a personal interview is the major criterion for admission.

#### Specific Academic Requirements

1. Applicants must have completed college education in general anatomy and physiology (8 semester hours), college English grammar and composition (6 semester hours) and college algebra.
2. A minimum grade point average, for all post-secondary course work, of 2.3 is required.
3. Certification in CPR and first aid is required before matriculation in the program.
4. Observation (eight hours) in a sonology lab is required.
5. Interviews are by invitation only.

#### CURRICULUM

<i>Fall</i>		<b>Credit Hours</b>
RSC 3611	Introduction to Patient Care	2
RSC 4602	Sectional Anatomy	2
DMS 3611	Sonologic Application I: Abd/OB/GYN	3

DMS 3610	Sonographic Instrumentation	1
DMS 3641	Clinical Internship I	4
	<b>Semester Total</b>	<b>12</b>
<b>Spring</b>		
AHS 3610	Ethics in Health Professionals	1
DMS 3612	Sonologic Application II: Abd/OB/GYN	5
PCS 3650	Sonologic Physics	3
DMS 3642	Clinical Internship II	4
RSC 4621	Pathology for Radiologic Sciences	2
	<b>Semester Total</b>	<b>15</b>
<b>Summer</b>		
DMS 3615	Sonologic Application III: Abd/OB/GYN	4
ANM 3320	Systemic Anatomy	5
DMS 3643	Clinical Internship III	4
	<b>Semester Total</b>	<b>13</b>

# MCG CATALOG

[MCG Catalog](#) > [School of Allied Health Sciences](#) > [Biomedical and Radiological Technologies](#) > [Academic Standards / Grad Requirements](#)

## School of Allied Health Sciences: Biomedical and Radiological Technologies

### Academic Standards

Students in all departmental programs must earn a grade of C or better in required major area courses to receive program credit. (Major area courses are 1) all professional courses, 2) math/science courses in the core area and 3) area IV courses in programs where applicable. Additionally, certain moral, ethical and behavioral standards are expected of students aspiring to careers in health science. The department therefore requires compliance with policies and procedures which govern conduct both as a student in the university and as a student in a professional program. These regulations are considered academic standards within the scope of clinical practicum courses in the curriculum. Specific policies and procedures are given to the student upon matriculation.

The student who receives a D or F in clinical practicum may be denied permission to continue in subsequent clinical practicum. The department promotions committee will review the student's performance and will make an appropriate recommendation.

#### Graduation REquirements

Each program has an identified curriculum which must be successfully completed, which includes a designated number of clinical experience hours, as well as competency assessments. Specific data is given to each student upon enrollment. Due to the dynamic nature of these technological services, periodic revision of curricula is performed. In the event necessary curricular/graduation requirement changes are applied to enrolled students, such changes will be made known to the students. It is then the responsibility of each student to meet the specified requirements. In such circumstances every effort will be made to minimize possible negative impact on a student's curricular plans, especially as pertains to anticipated time of program completion.

# MCG CATALOG

[MCG Catalog](#) > [School of Allied Health Sciences](#) > [Biomedical and Radiological Technologies](#) > [Admissions Requirements](#)

## School of Allied Health Sciences: Biomedical and Radiological Technologies

# General Admission Criteria

### *Traditional 2+2 Transfer Program Program for Certified Technologists*

#### **Traditional 2+2 Transfer Program**

Admission is based on the applicant's prior academic performance at the college level, personal interviews, and assessment of personal qualities needed to successfully complete the program.

1. Prior to enrollment, the applicant must have completed a [core curriculum](#) of 60 semester hours at another accredited college or university.
2. A grade point average of at least 2.3 (on a 4.0 scale) on all previous college work is required for consideration.
3. Two letters of recommendation are required.
4. A minimum of eight hours of documented observation in the radiologic discipline selected as a major is required prior to, or concurrent with, application. For double majors, eight hours of observation in each discipline is required. Documentation is to be submitted directly to the department and must be submitted on facility letterhead and signed by an authorized agent of the facility where the observation was conducted.
5.
  1. Interviews are by invitation only.
6. Applicants whose first language is not English must submit official [TOEFL](#) scores. A minimum score of 213 on the computer-based exam or 550 on the paper exam is required for admission consideration.

The Admissions Committee selects the applicants who seem best qualified for the program from among those who apply. Application forms are available from the [Office of Academic Admissions](#). Applications should be received by March 1 for priority consideration, but applications will be processed until the class is filled.

#### **Program for Students Certified in Radiologic Sciences**

Admission is based on the applicant's prior academic performance at the college level, personal interviews, and assessment of personal qualities needed to successfully complete the program.

1.
  1. Prior to enrollment, the applicant must have completed a **core curriculum** of 60 semester hours at another accredited college or university.
2.
  1. A grade point average of at least 2.3 (on a 4.0 scale) on all previous college work is required for consideration.
3. Two letters of recommendation are required. For recent graduates from radiologic programs, one reference must be from a faculty member of the radiologic program.
4. Applicants must be certified by the appropriate organization (ARRT/NMTCB/ARDMS) and have active standing as a registrant. A copy of the current registration card must be submitted to the department. For applicants who could not sit for the certification exam prior to enrollment at MCG, registry eligibility may meet admission requirements. In such cases, certification becomes a requirement for graduation from MCG, with the block of professional hours held in escrow until certification is satisfied.
5.
  1. Interviews are by invitation only.
6.
  1. Applicants whose first language is not English must submit official **TOEFL** scores. A minimum score of 213 on the computer-based exam or 550 on the paper exam is required for admission consideration.

The Admissions Committee selects the applicants who seem best qualified for the program from among those who apply. Application forms are available from the [Office of Academic Admissions](#). Applications should be received by March 1 for priority consideration, but applications will be processed until the class is filled.

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# MCG CATALOG

MCG Catalog > School of Allied Health Sciences > Dental Hygiene > Curriculum

## School of Allied Health Sciences: Dental Hygiene

Curriculum 2007-08

		Lecture	Lab	Clinic	Seminar	Credit Hours	Faculty
Junior Year, Fall (15 weeks)							
DENH3100	Introduction to Clinic I	2	0	8	0	6	Collins
DENH3105	Theory and Practice I	3	0	0	0	3	Downey
DENH3110	Dental Anatomy	3	0	0	0	3	Thompson/Ward
DENH3115	Oral Anatomy and Physiology	2	0	0	0	2	Lapp
	<b>Semester Total</b>					14	
Junior Year, Spring (15 weeks)							
DENH3120	Introduction to Clinic II	0	2	6	0	4	Lott
DENH3125	Theory and Practice II	3	0	0	0	3	Downey
DENH3130	Dental Radiology	2	0	0	0	2	Thompson
DENH3135	Dental Microbiology	2	0	0	0	2	Volkman
DENH3140	Periodontics Seminar	0	0	0	1	1	Ft. Gordon/Collins
DENH3145	Nutrition	1	0	0	0	1	Hsu
DENH3150	Dental Materials	1	0	0	0	1	Mackert
	<b>Semester Total</b>					14	
Senior Year, Summer (11 weeks)							
DENH3200	Patient Care I	0	0	8	0	4	Ward

DENH3205	Theory and Practice III	3	0	0	0	3	Rainchuso
DENH3210	Research Design	2	2	0	0	3	Collins
DENH3215	Community Dental Health	2	0	0	0	2	Lott
DENH3220	Dental Specialty Clinics I	0	0	2	0	1	Ward
DENH3225	Dental Materials Lab	0	2	0	0	1	Thompson/Ward
	<b>Semester Total</b>					14	
Senior Year, Fall (15 weeks)							
DENH3230	Patient Care II	0	0	12	0	6	Ward
DENH3235	Theory and Practice IV	2	0	0	0	2	Rainchuso
DENH3240	Pharmacology	3	0	0	0	3	Downey/Collins
DENH3245	Radiologic Technique I	0	0	2	0	1	Thompson
DENH3250	Pathology	3	0	0	0	3	Abdelsayed
DENH3255	Dental Specialty Clinics II	0	0	2	0	1	Ward
	<b>Semester Total</b>					16	
Senior Year, Spring (15 weeks)							
DENH3260	Patient Care III	0	0	12	0	6	Ward
DENH3265	Theory and Practice V	2	0	0	0	2	Downey
DENH3270	Radiologic Technique II	0	0	2	0	1	Thompson
DENH3275	Oral Medicine	2	0	0	0	2	Herman
DENH3280	Practice Administration	2	0	0	0	2	Rainchuso
DENH3285	Dental Hygiene Practicum	0	0	4	0	2	Ward
	<b>Semester Total</b>					15	
	<b>PROGRAM TOTAL</b>	40	6	58	1	73	

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# MCG CATALOG

## School of Allied Health Sciences: Dental Hygiene

### DEGREE REQUIREMENTS

The Medical College of Georgia is a state supported institution with a primary goal of educating health care providers for the citizens of the state of Georgia.

The ethical practice of dental hygiene requires intellectual ability, physical competence and personal responsibility. Therefore, all requirements for admission must be satisfactorily completed unassisted.

In addition to demonstrating personal characteristics appropriate for a career in a health care profession, qualification for admission to, and, following completion of the curriculum, graduation from, the dental hygiene program requires satisfaction of the following general standards:

- sufficient intellectual capacity to fulfill the curricular requirements of the various required basic science, dental sciences and clinical courses;
- ability to communicate with patients, colleagues, faculty, staff and other members of the health care community;
- physical ability to learn and safely perform the various technical skills required to complete the dental hygiene curriculum; and
- sufficient emotional stability and responsibility to withstand the stresses, uncertainties and changing circumstances that characterize the practice of dental hygiene.

### TECHNICAL STANDARDS FOR THE DEPARTMENT OF DENTAL HYGIENE

In addition to the general standards stated above, students must be able to satisfy all of the following specific technical standards:

All entering students must have the ability to read technical English rapidly and with comprehension; communicate with faculty, patients and peers in English using reasonable grammar and syntax; and attend class. Successful completion of the basic science and clinical science curricula requires physical competence, intellectual ability and personal responsibility of the student to levels facilitating competency in the following tasks and techniques:

- Observe and collect data from demonstration, laboratory assignments and lectures in the basic and dental sciences

- Examine, evaluate and diagnose the oral health status of a child, adolescent, adult and geriatric patient.
- ▣ Observe the patient accurately at a distance and close at hand.
- Position him/herself in such a manner as to make it possible to examine the patient thoroughly, and perform inspection, palpation, percussion, and auscultation as necessary to complete the oral evaluation of the patient.
- ▣ Develop an understanding of current radiation safety principles.
- Become competent in obtaining and interpreting diagnostic oral radiographs
- Assess the oral hygiene treatment needs of special patients, such as the medically, mentally or physically compromised patients, and the socially and culturally disadvantaged.
- Develop appropriate communication techniques compatible with handicapping or compromising disorders.
- ▣ Develop the skills required to interpret the results of the physical evaluation and to develop an appropriate oral hygiene treatment plan.
- Educate and motivate patients regarding their role in establishing and maintaining oral health.
- Control pain and anxiety by utilizing topical pharmacological anesthetics, as well as through modeling and biofeedback.
- ▣ Prevent and manage dental and medical emergencies. This includes having the capacity to perform cardiopulmonary resuscitation and other appropriate life support measures for medical emergencies that may be encountered in a dental practice.
- Assess attachment levels and probing periodontal pockets, as well as perform root debridement and soft tissue management.
- Recognize malocclusion in the primary, mixed and permanent dentition.
- Develop an understanding of basic dental school protocol, practice, and organization by assisting in a variety of clinics in the School of Dentistry.

# MCG CATALOG

[MCG Catalog](#) > [School of Allied Health Sciences](#) > [Dental Hygiene](#) > [Admissions Requirements](#)

## School of Allied Health Sciences: Dental Hygiene

### GENERAL ADMISSIONS REQUIREMENTS

Admission is based on the applicant's prior academic performance at the college level and on an assessment of the applicant's motivation and personal qualities needed to successfully complete the program.

- Prior to enrollment, the applicant must have completed 60 semester hours of [Course Prerequisites](#) at another accredited college or university.
- A grade point average of at least 2.3 (on a 4.0 scale) on previous college work is required for consideration.
- Two letters of recommendation are required.
- Applicants whose first language is not English must submit official [TOEFL](#) scores. A minimum score of 213 on the computer-based exam or 550 on the paper exam is required for admission consideration.

### APPLICATION PROCEDURES

Applications for admission are encouraged by **April 1**, but will continue to be processed until the class has been filled.

**All applications must be submitted online.** As part of the application process, you will create a user account to access GAcademy411 if you are a first-time user. [Apply online now!](#)

### CONTACT AN ADMISSIONS COUNSELOR

#### An Admissions Counselor

will be glad to answer your questions via e-mail or to give you a call. Please include your complete telephone number in message. Or, you may telephone the [Office of Academic Admissions](#) at 706-721-2725.

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# MCG CATALOG

[MCG Catalog](#) > [School of Allied Health Sciences](#) > [Dental Hygiene](#)

## School of Allied Health Sciences: Dental Hygiene

Bachelor of scienceE in dental hygiene

- [Admissions Requirements](#)
- ▣ [Course Descriptions \(PDF\)](#)
- ▣ [Curriculum](#)
- [Degree Requirements](#)

### RELATED LINKS

- [Dental Hygiene Home Page](#)

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# MCG CATALOG

MCG Catalog > School of Allied Health Sciences

## School of Allied Health Sciences - Health Informatics

### MPH Scholastic Regulations

## Grades, Academic Performance and Progress

Satisfactory progress toward a degree in the School of Graduate Studies 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 and U) must be earned for each course applying toward a graduate degree, and a 2.8 cumulative GPA in all courses attempted toward the degree is required for graduation.

### Academic Probation and Dismissal

Any student whose cumulative GPA for a degree program drops below a 2.8 is placed on academic probation. Such status is noted on the student's academic transcript. While on probation, the student must earn a minimum of a 3.0 each semester until the cumulative GPA is raised to at least a 2.8. Students who fail to earn at least a 3.0 each semester while on probation shall be considered for academic dismissal from the School of Graduate Studies.

## Transfer Credit

Transfer of graduate credit is never automatic; any credits transferred do not reduce the residence requirement for any advanced degree. At the discretion of the Associate Dean and the faculty of the major program, up to 6 semester hours of credit toward a master's degree may be transferred. A request for credit transfer should be initiated by the student through the program's director.

## Withdrawal from the School of Graduate Studies

A student who wishes to withdraw from the program should complete the procedures outlined on the Withdrawal Form available in the Registrar's office. To re-enter the program, the student must complete a reactivation form, which may be obtained from the Registrar's office. If the student is not pre-registered for the term, it is not a withdrawal.

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# MCG CATALOG

[MCG Catalog](#) > [School of Allied Health Sciences](#) > [Health Informatics](#) > [Admissions Requirements](#)

## School of Allied Health Sciences: Health Informatics

### GENERAL ADMISSIONS REQUIREMENTS

# MASTER OF PUBLIC HEALTH IN HEALTH INFORMATICS

In addition to your complete application and \$30 application fee, the following must also be submitted before your application can be considered:

1.
  1. An official transcript from **each** college/university attended. (Must be mailed to MCG from the institution.)
2. **Three references.**
3. **Graduate Record Exam (GRE) scores** of 1000 or higher must be mailed directly to MCG by the Educational Testing Service. Scores must be less than 5 years old. In special occasions, waivers of the GRE requirement will be granted to professionals with terminal degrees (MD, PhD, DDS, DMD, ScD, EdD, DBA, etc.) from accredited United States universities.
4. **Deadline for completed applications and supporting application materials for Fall semester 2007 admission is July 1, 2007. Early application is strongly encouraged. Applications and supporting materials received after this deadline will be considered on a space-available basis only.**

1. Additional application information and instructions are available [here](#).

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# MCG CATALOG

[MCG Catalog](#) > [School of Allied Health Sciences](#)

## School of Allied Health Sciences - Health Informatics

### Grade Requirements

The DHI accepts only grades of "C" or better in all courses in the curriculum. All courses in the HIA curriculum are considered essential to further study; therefore, failure to achieve a grade of "C" or better in any course may be cause for suspension from the program.

Failure to achieve a grade of "C" or better in two or more courses may be cause for suspension from the program. (Interested parties should see the MCG Catalog regarding academic probation, suspension and dismissal). Each faculty member determines and communicates the system of grading used in the courses for which he or she is responsible. Unless otherwise indicated on an applicable course syllabus, the DHI complies with grading systems that parallel the USG guidelines listed in USG Board of Regents Policy Manual 305: A = 100–90; B = 89–80; C = 79–70; D = 69–60 and F = Below 60.

#### *Academic Probation.*

Any undergraduate student whose grade point average (GPA) for any semester is below 2.0 (on a 4.0 scale) or whose cumulative MCG GPA is below 2.0 at the end of any semester shall be considered on academic probation (subject to the provisions of the following dismissal and suspension policies). More stringent departmental probation standards may be applied.

*Academic Dismissal* is the involuntary separation from the university of a student who fails to maintain academic standards. Any undergraduate student shall be dismissed whenever he/she:

- -Receives a failing grade in all academic courses in any semester in which the student
- attempts more
- than one academic course;
- 
- -Fails to achieve and maintain at least a 1.80 cumulative GPA for all resident work after 30 hours and a 2.0
- for all resident work at the end of any academic year thereafter;
- 
- -Fails to achieve a semester GPA of at least 2.0 in the semester immediately following his/her placement
- on probation.
-

Any student dismissed for academic reasons and seeking to be readmitted may reapply for the next regular admission date following standard application procedures.

Where circumstances warrant, a student dismissed under the provisions of this policy may be reinstated as a student on probation upon written authorization of the dean and subject to conditions of continuation established by the dean at the time of reinstatement.

Academic suspension differs from academic dismissal in that a time period may be stated after which return to the program may be permitted. A student who has been suspended may be advised of any conditions necessary for reinstatement and may be permitted to re-enroll at the appropriate time after meeting these conditions.

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# MCG CATALOG

[MCG Catalog](#) > [School of Allied Health Sciences](#) > [Health Informatics](#) > [Admissions Requirements](#)

## School of Allied Health Sciences: Health Informatics

### GENERAL ADMISSIONS REQUIREMENTS

## ONE-YEAR POST-BACCALAUREATE CERTIFICATE

Admission is based on the applicant's prior academic performance at the college level and on an assessment of the applicant's motivation and personal qualities needed to successfully complete the program. Specific requirements for all post-baccalaureate applicants include:

1. Bachelor's degree from an accredited college or university.
2. Submission of transcripts from all prior colleges or universities attended.
3. Two letters of recommendation.
4. Interview by departmental faculty.
5. Completion of prerequisite courses in Anatomy and Physiology I & II, Accounting (three semester hours), and Micro-Computer Applications with lab, including word processing and spreadsheets (three semester hours).
6. Applicants whose first language is not English must submit official TOEFL scores. A minimum score of 213 on the computer-based exam or 550 on the paper exam is required for admission consideration.

Applicants whose degrees are in allied health science or nursing are required to show:

1. Proof of active or current registration or license in an allied health or nursing profession.
2. At least two years of clinical experience.

Applicants whose degrees are in business are required to show proof of a baccalaureate degree in business administration.

### APPLICATION PROCEDURES

The Admissions Committee selects the applicants who seem best qualified for the program from among those who apply. Application forms are available from the [Office of Academic Admissions](#).

Applications for admission are encouraged by July 1, but will continue to be processed until the class has been filled.

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# MCG CATALOG

[MCG Catalog](#) > [School of Allied Health Sciences](#) > [Health Informatics](#) > [Admissions Requirements](#)

## School of Allied Health Sciences: Health Informatics

### GENERAL ADMISSIONS REQUIREMENTS

## BACHELOR OF SCIENCE IN HEALTH INFORMATICS

Admission is based on the applicant's prior academic performance at the college level and on an assessment of the applicant's motivation and personal qualities needed to successfully complete the program.

- Prior to enrollment, the applicant must have completed a [core curriculum](#) of 60 semester hours at another accredited college or university.
- A grade point average of at least 2.3 (on a 4.0 scale) on previous college work is required for consideration.
- Two letters of recommendation are required.
- Interviews are by invitation only.
- Applicants whose first language is not English must submit official [TOEFL](#) scores. A minimum score of 213 on the computer-based exam or 550 on the paper exam is required for admission consideration.

### APPLICATION PROCEDURES

The Admissions Committee selects the applicants who seem best qualified for the program from among those who apply. Application forms are available from the [Office of Academic Admissions](#).

Applications for admission are encouraged by July 1, but will continue to be processed until the class has been filled.

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# MCG CATALOG

MCG Catalog > School of Allied Health Sciences > Occupational Therapy > Curriculum

## School of Allied Health Sciences: Occupational Therapy Curriculum

### 3+6 Semester

#### *First Year*

##### *Fall*

		<b>Credit Hours</b>
OTHP 6103	Professional Foundations and Therapeutic Occupation	2
OTHP 6304	Applied Concepts of Wellness & Illness	3
OTHP 6104	Models of Reasoning	3
SAHS 6501	Evidenced Based Practice	2
OTHP 6106	Development of Lifespan Occupations	3
OTHP 6000	Fieldwork	1
	<b>Semester Total</b>	<b>14</b>

##### *Spring*

OTHP 6204	Movement Analysis	3
OTHP 6205	Applied Kinesiology	4
SAHS 7705	Neuroscience Application	3
OTHP 6313	Mental Health Programming	3
OTHP 6203	Assistive Technology & Occupational Adaptations	3
OTHP 6001	Fieldwork	1
	<b>Semester Total</b>	<b>17</b>

##### *Summer*

AMNT 6500	Musculoskeletal Anatomy	4
SAHS 6503	Research Process	3
OTHP 6343	Adult Models of Practice	3
OTHP 7304	Contemporary Practice	2
OTHP 6300	Fieldwork	1
	<b>Semester Total</b>	<b>13</b>

**Second Year****Fall**

OTHP 6608	Worker Role & Ergonomics	3
OTHP 6606	Adult Evaluation and Intervention	5
OTHP 6604	Pediatric Evaluation & Intervention	3
SAHS 6524	Project Development	2
OTHP 6300	Fieldwork	2
	<b>Semester Total</b>	<b>15</b>

**Spring**

OTHP 6454	Schools Systems	3
OTHP 7009	Fieldwork Experience II A	9
OTHP 7010(CP)	Fieldwork	0
	Elective Options from Graduate Track (variable credits)	2-4
	<b>Semester Total</b>	<b>12+</b>

**Summer**

OTHP 6708	Professional Issues & Service Management	3
SAHS 7523	Research Project	3
OTHP7010CP	Fieldwork Experience B	9
	Electives Options	0-4
	<b>Semester Total</b>	<b>15+</b>
	<b>PROGRAM TOTAL</b>	<b>86+</b>

# MCG CATALOG

[MCG Catalog](#) > [School of Allied Health Sciences](#) > [Occupational Therapy](#) > [Degree Requirements](#)

## **School of Allied Health Sciences: Occupational Therapy** Degree Requirements

A student who earns less than a C in any course may be suspended. A student suspended for academic reasons may reapply following standard admission procedures.

Graduation requirements include completion of all required courses, successful completion of 24 weeks of Level II fieldwork experience, passing the Regents Examination, payment of all fees and completion of the departmental exit exam.

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# MCG CATALOG

[MCG Catalog](#) > [School of Allied Health Sciences](#) > [Occupational Therapy](#) > [Admissions Requirements](#)

## School of Allied Health Sciences: Occupational Therapy

### GENERAL ADMISSION CRITERIA

Admission is based on the applicant's prior academic performance at the college level, an assessment of related experience, references assessing work related skills, writing skills and personal qualities needed to successfully complete the program.

- Prior to enrollment, the applicant must have completed 90 prescribed prerequisite semester hours at another accredited college or university.
- A grade point average of at least 3.0 (on a 4.0 scale) on all previous college work and an average of at least 2.5 on math and science courses are required for consideration.
- A minimum score of 900 (combined verbal and quantitative) is required on the Graduate Record Examination (GRE).
- Three letters of recommendation are required.
- 1. Interviews are by invitation only.
- Applicants whose first language is not English must submit official TOEFL scores. A minimum score of 213 on the computer-based exam or 550 on the paper exam is required for admission consideration.

### Application Procedures

The Admissions Committee selects the applicants who seem best qualified for the program from among those who apply. Application forms are available from the [Office of Academic Admissions](#).

Completed applications received by February 15 will be given priority consideration. Applications will continue to be processed until the class has been filled. Earlier application is strongly encouraged as interviews are conducted in the spring.



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# MCG CATALOG

[MCG Catalog](#) > [School of Allied Health Sciences](#) > [Occupational Therapy](#)

## School of Allied Health Sciences: Occupational Therapy

### Master of Health Science in Occupational Therapy

- ▣ [Admissions Requirements](#)
  - [Degree Requirements](#)
  - [Curriculum](#)
  - [Course Descriptions \(PDF\)](#)

### RELATED LINKS

- ▣ [Department of Occupational Therapy Home Page](#)
  - [Physical Therapy Faculty & Staff](#)

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# MCG CATALOG

[MCG Catalog](#) > [School of Allied Health Sciences](#)

## School of Allied Health Sciences - Physical Therapy

### Philosophy

Since its founding in 1970, the physical therapy department at the Medical College of Georgia has been committed to an educational philosophy of student centered learning. We believe the maintenance and growth of the learning environment is the responsibility of both the faculty and the student. Student participation is facilitated through a friendly learning environment with stated outcomes that are clear and concise.

Each faculty member and student actively participates in the teaching and learning process. In addition to curricular and instructional responsibilities, faculty members strive to provide students with role models of scholarly practitioners, nationally recognized researchers, and skillful educators. As partners in the professional education experience, students may be asked participate in curriculum development, evaluation, and improvement activities within the Department.

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# MCG CATALOG

[MCG Catalog](#) > [School of Allied Health Sciences](#) > [Physical Therapy](#) > [Curriculum](#)

## School of Allied Health Sciences: Physical Therapy Curriculum

### Doctor of Physical Therapy

#### Year One

##### Summer

Anatomy (60 hours)	4
Evidence Based Practice (60 hours)	3
Practice Expectations 1 (22 hours)	1
General Concepts of Patient Management 1 (60 hours)	3

##### Fall

Physiology (90 hours)	6
Foundations of PT (135 hours)	6
General Concepts of Patient Management 2 (60 hours)	3
Practice Expectations 2 (22 hours)	1
Research 2 (30 hours)	1

##### Spring

Orthopaedics 1 (135 hours)	6
Medical Conditions 1 (135 hours)	6
Practice Expectations 3 (45 hours)	2
Research 3 (45 hours)	2

#### Year Two

##### Summer

Orthopaedics 2 (60 hours)	3
Clinical Education (8 weeks)	8

##### Fall

Medical Conditions 2 (105 hours)	4
Medical Conditions 3 (135 hours)	6

Applied Neuroscience (74 hours)	4
Practice Expectations 4 (22 hours)	1
Research 4 (30 hours)	1
<b>Spring</b>	
Management (90 hours)	4
Neuromuscular (180 hours)	8
Practice Expectations 5 (22 hours)	1
Research 5 (30 hours)	1
<b>Year Three</b>	
<b>Summer</b>	
Medical Conditions 4 (30 hours)	1
Pediatrics (74 hours)	4
Integrated Patient Management (65 hours)	3
Research 6 (30 hours)	1
Practice Expectations 6 (15 hours)	1
<b>Fall</b>	
Clinical Education	16
<b>Spring</b>	
Clinical Education	12
Elective	4
<b>Total Credit Hours</b>	<b>127</b>

# MCG CATALOG

## School of Allied Health Sciences: Physical Therapy

### Admissions Process

The Doctor of Physical Therapy program at the Medical College of Georgia uses a rolling admissions process that begins August 1 and ends December 15. Under this process applications are considered as soon as they are complete. Completed applications must include all official transcripts, completed reference forms, and official GRE score reports. Well qualified applicants will be invited to Augusta for interviews. Admissions decisions will generally be made within two weeks of the interview date. The best qualified candidates will be offered either a full or contingent admission until the class is fully enrolled. A waiting list of otherwise qualified applicants will be maintained. The Doctor of Physical Therapy program is limited to an enrollment of 36 students/class year. **It is in an applicant's interest to apply at the earliest possible date and we strongly encourage you to do so.**

### Required Prerequisite Courses

Prerequisites include 1 year (2 semesters) of physics (w/lab); 1 year of anatomy and physiology (w/lab), 1 year of chemistry (w/lab); one course in Biology with lab; and one course in statistics. Knowledge of human behavior from an individual and societal perspective is required, as evidenced by completing at least two courses in the social sciences. We strongly recommend abnormal psychology, human growth and development, and developmental psychology.

**Students must earn a grade of C or higher in all prerequisite courses.**

### Minimum Requirements:

- Baccalaureate degree in a discipline other than physical therapy.
- Minimum 3.0 (out of 4.0) GPA overall or 3.4 in last 40 hours of undergraduate coursework.
- A combined (verbal and quantitative) GRE score of 1000 and minimum score of 400 on each section is required for full admission. Otherwise qualified applicants who achieve a combined GRE Score 900-1000 may be considered for provisional admission if space allows.
- 100 hours of observational, volunteer or other work experiences in physical therapy settings. We strongly recommend experiences in both inpatient and outpatient environments in order to appreciate the differences in physical therapists' responsibilities in each setting.
- 1. Basic understanding of medical terminology is required as part of the physical therapy curriculum. This requirement can be met by taking a course prior to enrollment or by completion of a self-paced text during the first semester.

### Additional requirements:

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 effect **communication** with patients, colleagues, instructors and other members of the health care 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 health care practice.
- 
1. **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.

The faculty of the Department of Physical Therapy acknowledge Section 504 of the Rehabilitation Act of 1973 and PL 103-336, The [Americans with Disabilities Act](#) and will consider for admission, promotion and graduation candidates who demonstrate the ability to perform the essential skills listed in the department's [technical standards document](#). These standards are admission guidelines and are subject to continuing revision and improvement.



# MCG CATALOG

[MCG Catalog](#) > [School of Allied Health Sciences](#) > [Physical Therapy](#)

## School of Allied Health Sciences: Physical Therapy

### Doctor of Physical Therapy

- ▣ [Admissions Requirements](#)
  - [Degree Requirements \(see Student Handbook\)](#)
  - [Curriculum](#)
  - [Course Descriptions \(PDF\)](#)

### RELATED LINKS

- ▣ [Department of Physical Therapy Home Page](#)
  - [Student Handbook \(PDF\)](#)
  - [Physical Therapy Faculty & Staff](#)

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# MCG CATALOG

[MCG Catalog](#) > [School of Allied Health Sciences](#) > [Physician Assistant](#) > [Curriculum](#)

## School of Allied Health Sciences: Physician Assistant

### CURRICULUM

The curriculum of the Department of Physician Assistant as presented below can be completed during 24 consecutive months. Due to the dynamic nature of the profession, required courses and clinical rotations may change. Curricular changes may result in additional requirements. Students are responsible for completion of all requirements deemed appropriate by the faculty. The program is conducted as a sequence of three phases; Phase I is the only period of training which is completed entirely on the MCG campus.

All students must be prepared to travel to facilities in Georgia and South Carolina during clinical training in the second year. Financial assistance for these additional expenses cannot be guaranteed.

The first year consists of both basic science and clinically related didactic courses. It is provided during the summer, fall and spring semesters of the first year. All courses are required and must be successfully completed prior to beginning the clinical phase of training.

<b>Summer</b>		<b>Credit Hours</b>
ANM 6510	Systemic Anatomy	5
PHAS 5025	Intro to Clinical Medicine	2
PHAS 5015	Medical Communications	2
PHAS 5010	Medical Terminology	1
PHAS 5100	Ethics and Professional Practice Issues	1
PHAS 5020	Genetics	1
PHAS 5315	Applied Clinical Physiology II	1
PHAS 5030	Medical Spanish and Cultural Competency	1
<b>Semester Total</b>		<b>14</b>
<b>Fall</b>		
PHY 7110	Principles of Human Physiology	3
STAT 6300	Introduction to Epidemiology & Biostatistics	3
PHAS 5115	Physical Assessment	3

PHAS 5120	Principles of Pharmacology	3
PHAS 5130	Clinical Medicine I	6
PHAS 5140	Clinical Skills Integration & Application I	1
	<b>Semester Total</b>	<b>19</b>
<b>Spring</b>		
PHAS 5200	Behavioral Medicine	2
PHAS 5210	Pharmacotherapeutics I	3
PHAS 5220	Clinical Medicine II	14
PHAS 5225	Applied Clinical Physiology I	1
PHAS 5230	Clinical Skills Integration & Application II	1
	<b>Semester Total</b>	<b>21</b>
<b>Summer</b>		
PHAS 5300	Pharmacotherapeutics II	3
PHAS 5310	Clinical Medicine III	10
PHAS 5320	Emergency Medicine	2
PHAS 5330	Surgery	2
PHAS 5340	Clinical Skills Integration & Application III	1
PHAS 5350	Evidence-Based Medicine II / Research Methods	1
	<b>Semester Total</b>	<b>19</b>
<b>Fall</b>		
PHAS 6010	Internal Medicine & Critical Care Practicum	6
PHAS 6020	Surgery Practicum	4
PHAS 6025	Orthopedics Practicum	4
PHAS 6030	Family Practice Practicum	6
	<b>Semester Total</b>	<b>20</b>
<b>Spring</b>		
PHAS 6040	Emergency Medicine Practicum	4
PHAS 6050	Pediatrics Practicum	4
PHAS 6060	Behavioral Medicine Clinical Practicum	4
PHAS 6070	OB/GYN Practicum	4
	<b>Semester Total</b>	<b>16</b>
<b>Summer</b>		
PHAS 6080	Preceptorship	4
PHAS 6090	Elective Clinical Practicum	4

PHAS 6100	Research or Community Service Learning Project & Teaching Practicum	4
	<b>Semester Total</b>	<b>12</b>
	<b>PROGRAM TOTAL</b>	<b>121</b>

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# MCG CATALOG

MCG Catalog > School of Allied Health Sciences > Physician Assistant > Ability and Technical Standards

## School of Allied Health Sciences: Physician Assistant

### Ability and Technical Standards

The MCG PAD will consider for admission any applicant who meets academic criteria, and demonstrates the ability to perform or to learn to perform the skills listed in this document, with or without reasonable accommodations consistent with the Americans with Disabilities Act, Civil Rights Restoration Act, and Section 504 of the Rehabilitation Act. Any applicant with questions about these technical requirements is strongly encouraged to discuss the issue with the [Office of Student Affairs](#) prior to the interview process.

A student in the Physician Assistant Program must have adequate abilities and skills in the following five areas: 1) Observation; 2) Communication; 3) Sensory and Motor Function; 4) Conceptual, Integrative and Quantitative Ability; and, 5) Behavior and Social Attributes as detailed below.

#### **1. Observation:**

The student must be able to observe demonstrations and conduct experiments on the basic sciences, including but not limited to chemical, biological, anatomic and physiologic sciences, microbiologic cultures, and microscopic studies of microorganisms. A student must be able to observe a patient accurately at a distance and close at hand. Observation necessitates the functional use of the sense of vision and other sensory modalities. A student must be able to integrate all information visually and through the other senses.

#### **2. Communication:**

A student must be able to communicate effectively, sensitively, and rapidly in English with patients and members of the health care team. A student must be able to elicit information from patients, perceive nonverbal communications, and describe changes in mood, activity and posture. Communication includes not only speech, but writing, reading, interpreting graphs and computer literacy.

#### **3. Sensory and Motor Function:**

The student must have sufficient sensory and motor function to elicit information from patients by palpation, auscultation, percussion, and other diagnostic maneuvers. The student will be required to coordinate both gross and fine muscular movements, equilibrium, and functional use of the senses of hearing, touch and vision.

More specifically, the student must be able to exercise such fine motor skill as to adequately perform laboratory tests, including but not limited to, wet mount, urinalysis and gram stain. The student must exercise such level of dexterity, sensation and visual acuity as to accurately complete such processes as administering intravenous medication, making fine measurements of angles and size, measuring blood pressure, respiration and pulse, performing physical examinations, and performing therapeutic procedures such as suturing and casting.

The student must be able to hear sufficiently to accurately differentiate percussive notes and auscultory findings, including but not limited to heart, lung, and abdominal sounds, as well as discern normal and abnormal findings using instruments such as tuning forks, stethoscopes, sphygmomanometers, and Doppler devices.

A student must be able to transport himself or herself in a manner which provides timely response in both general and emergency care situations. Moving patients and engaging in some procedures such as CPR will require a necessary level of strength.

#### **4. Intellectual, Conceptual, Integrative and Quantitative Abilities:**

A student must have the intellect necessary to quickly analyze and resolve problems. These intellectual abilities include long and short term memory, numerical recognition, measurement, calculations, reasoning, analysis judgment and synthesis. The student must be able to identify significant findings from the patient's history, the physical examination and laboratory data, provide a reasoned explanation for likely diagnoses, and choose appropriate medications and therapy.

The ability to incorporate new information from many sources in formulating diagnoses and plans is essential. Good judgment in patient assessment, diagnostic and therapeutic planning is primary. When appropriate, students must be able to identify and communicate the limits of their knowledge to others.

#### **5. Behavioral and Social Attributes:**

A student must possess the emotional health required for full use of his or her intellectual abilities, the exercise of good judgment and the prompt completion of all responsibilities attendant to the diagnosis and care of patients. The development of mature, sensitive effective and professional relationships with patients and members of the health care team is essential. Students must be able to tolerate physically taxing workloads and to function effectively under stress. They must be able to adapt to changing environments, to display flexibility and learn to function in the face of uncertainties inherent in the clinical problems of many patients. Compassion, integrity, interpersonal skills, interest and motivation are all personal qualities that are desired on a health professional and assessed during the admissions and education process.

# MCG CATALOG

[MCG Catalog](#) > [School of Allied Health Sciences](#) > [Physician Assistant](#) > [Admission Requirements](#)

## School of Allied Health Sciences: Physician Assistant

### Admission Requirements

**A Bachelor's Degree is Not Required for the MPA Degree.**

### Transfer Credit Policy

There is no advanced placement, transfer of credit (except for 90 semester hours of prerequisites at an accredited college or university) or credit for experiential learning allowed. Previous medical professions course work will not be accepted toward completion of the MPA degree. It is important that our students are exposed to specific course content. To ensure this, only courses taught within our curriculum are accepted for credit toward graduation.

### General Admission Criteria

Admission is based on undergraduate college coursework including the overall, transfer, and math/science grade point averages. Other criteria include personal interviews, assessment of the applicant's motivation and the possession of the personal qualities needed to successfully complete the program. Prior to enrollment, the applicant must have:

1.
  1. A grade point average of at least 3.0 (on a 4.0 scale) on all previous college work and an average of at
  2. least 2.8 on math and science courses.
2. Completed 90 semester hours of prerequisites at an accredited college or university.
3.
  1. A minimum combined GRE score of 900 is needed for full admission. The results of all three components,
  2. including the analytical/written section of the general GRE exam must be provided.
4. A minimum of 100 hours of health care experience or volunteer activities.
5.
  1. Observed physician assistants in a variety of PA clinical settings (more than two).
6.
  1. Three references that focus on the applicant's generic abilities for clinical work rather than just their

2. academic ability—one of which must be from a physician assistant that indicates PA contact. Having at
3. least one reference from a physician assistant from each of the clinical settings observed by the applicant
4. is highly recommended.

### **Mandatory Course Prerequisites Include:**

- 7. General Chemistry I and II (Labs required)
- 7. Biology I and II (Labs required)
- Human Anatomy and Physiology (Lab required)
- General Psychology
- 1. Organic Chemistry I (Lab required)
- Statistics
- 1. Microbiology w/lab
- Interviews are by invitation only.
- - Preference is given to residents of Georgia and to residents of states with no Physician Assistant
  - Program.
- Applicants whose first language is not English must submit official TOEFL scores. A minimum TOEFL score of 250 on the computer-based exam or 600 on the paper exam and a minimum score of 50 on the TSE-P are required for admission consideration. The TSE-A exam scores will not be accepted. Applicants must take both the TOEFL and the TSE-P by October 15 to be considered for admission the following year.

7.

The Admissions Committee selects the applicants who seem best qualified for the program from among those who apply and submit all required documentation. Applications must be postmarked by October 15, but earlier application is encouraged.

### **Prerequisites for the Master's Physician Assistant Program**



The prerequisite courses required to apply to MCG Master of Physician Assistant Program comprise a core curriculum divided into seven categories (Areas A-G). The courses acceptable to meet the requirements of each category are listed below. ([back to top](#))

A. Essential Skills	9 semester hours
<ul style="list-style-type: none"> <li>• English Composition I (3 hours)</li> <li>• English Composition II-Literature based (3 hours)</li> <li>• College Algebra, Mathematical Modeling, Trigonometry, Pre-Calculus or Calculus (3 hours)</li> </ul>	
B. Professional Skills	4 - 5 semester hours
<ul style="list-style-type: none"> <li>• Critical Thinking</li> <li>• Creative Writing</li> <li>• Ethics</li> <li>• Health and Wellness</li> <li>• Economics</li> <li>• Speech</li> <li>• Any approved guided elective from Area F</li> </ul>	
C. Humanities and Fine Arts	6 semester hours
<ul style="list-style-type: none"> <li>• Ethics</li> <li>• Fine and Applied Arts</li> <li>• Foreign Language</li> <li>• Speech, Oral Communications</li> <li>• World Literature</li> <li>• Philosophy</li> <li>• Drama, Art or Music Appreciation</li> <li>• Logic</li> <li>• Electives in Humanities and Fine Arts</li> </ul>	
D. Science, Mathematics and Technology	10 - 11 semester hours
<ul style="list-style-type: none"> <li>• Additional courses in science, mathematics or technology to meet this requirement.</li> </ul>	

<b>E. Social Sciences</b>	<b>12 semester hours</b>
<ul style="list-style-type: none"> <li>• United States History</li> <li>• Sociology</li> <li>• Anthropology</li> <li>• Group Process</li> <li>• Social Problems</li> <li>• Racial and Ethnic Minority Groups</li> </ul>	
<b>F. Courses Required for Major</b>	<b>34 semester hours</b>
<ul style="list-style-type: none"> <li>• Biology I and II – Labs Required (8 hours)*</li> <li>• General Chemistry I and II - Labs Required (8 hours) *</li> <li>• Organic Chemistry I - Lab Required (4 hours) *</li> <li>• Microbiology - Lab Required (4 hours) *</li> <li>• Human Anatomy and Physiology - Lab Required (4 hours) *</li> <li>• Statistics (3 hours) *</li> <li>• General Psychology (3 hours) *</li> </ul>	
<b>G. Guided Electives for Major</b>	<b>15 semester hours</b>
<p>Guided electives in any basic science which may include: Comparative Vertebrae Anatomy, Organic II, Histology, Biochemistry, Evolution, Human Growth and Development, Abnormal Psychology, Cell and Molecular Biology, Genetics, Embryology or Physics</p>	

\* These courses are MANDATORY.

\*\* Students may take any other science course to satisfy the remaining hours in this section.

# MCG CATALOG

[MCG Catalog](#) > [School of Allied Health Sciences](#) > [Physician Assistant](#)

## School of Allied Health Sciences: Physician Assistant

- [Admission Requirements](#)
- [Ability and Technical Standards](#)
- [Curriculum](#)
- [Course Descriptions \(PDF\)](#)

### RELATED LINKS

- [Physician Assistant Home Page](#)

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# MCG CATALOG

[MCG Catalog](#) > [School of Allied Health Sciences](#) > [Respiratory Therapy](#) > [MHE Program](#)

## School of Allied Health Sciences: Respiratory Therapy

### Master of Health Education Program

The Master of Health Education Program is designed for allied health and related health professionals. The program is interdisciplinary and prepares individuals for careers as academic or clinical educators and more highly skilled practitioners. While the program does require completion of a project, the program does not require completion of a thesis. A Graduate Record Examination score of 1000 (combined verbal and quantitative) is required for admission.

The Master of Health Education is primarily designed for individuals with a bachelors degree and national respiratory therapy credentials, however, opportunity exists for selected students with a non-professional bachelor degree to concurrently enroll in the Bachelor of Science Traditional 2+2 Transfer Program.

Students eligible for this program will enroll in both the undergraduate and graduate programs and must meet entry requirements for both schools. Upon successful completion of the Traditional 2+2 requirements, the student will be awarded a Bachelors Degree in Respiratory Therapy and will be eligible to sit for the national credential exams. The student will continue in the graduate program and will be awarded a Master of Health Education Degree upon completion of all the School of Graduate Studies requirements.

Completion of the MHE program will typically take 2 to 3 semesters beyond the Traditional 2+2 Program.

Admission to the School of Graduate Studies is subject to the discretion of the Dean, following recommendation by the Department of Respiratory Therapy Admissions Committee. A personal interview is required by the department, following receipt of all application materials. Students may be admitted to begin studies at the beginning of any semester. The application deadline is six weeks prior to the beginning of the term in which the student wishes to matriculate.

Admission to the Master of Health Education Program requires direct inquiry to the School of Graduate Studies, CB-1801, Medical College of Georgia, Augusta, GA 30912, or you may contact R. Randall Baker, PhD, RRT, Associate Professor and Interim Departmental Chairperson, at [rabaker@mcg.edu](mailto:rabaker@mcg.edu).

### Master of Health Education

Visit this page for information about the educational degree program for allied health and related professionals.

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# MCG CATALOG

[MCG Catalog](#) > [School of Allied Health Sciences](#) > [Respiratory Therapy](#) > [Curriculum](#)

## School of Allied Health Sciences: Respiratory Therapy

### Curriculum

#### Bachelor of Science in Respiratory Therapy

##### Junior Year

##### *Fall*

##### *Credit Hours*

RESP 3110	Applied Physiology for Resp. Care	4-0-0-4
RESP 3199	Medical Terminology	1-0-0-1
RESP 3204	Fundamentals of Resp. Care Practice I	4-0-0-4
RESP 3208	Fundamentals of Resp. Care Prac. I Lab	0-4-0-2
RESP 3211	Introduction to PBL	0-3-0-1
RESP 4540	Research in Respiratory Care	2-2-0-2
AHS 3610	Ethics for Allied Health	3-0-0-1

##### *Spring*

RESP 3304	Fundamentals of Resp. Care Practice II	2-0-0-2
RESP 3308	Fundamentals of Resp. Care Prac. II Lab	0-2-0-1
RESP 3311	Cardiopulmonary Pathophysiology I	0-8-0-4
RESP 3314	Advanced Respiratory Care Techniques	4-0-0-4
RESP 3317	Advanced Respiratory Care Lab	0-3-0-1
RESP 3325	Clinic I	0-0-8-4

##### Senior Year

##### *Summer*

RESP 3206	Geriatrics and Pulmonary Rehab	2-0-0-2
RESP 3212	Respiratory Care Pharmacology	3-0-0-3
RESP 4114	Introduction to Ventilator Management	2-0-0-2
RESP 4117	Intro. to Ventilator Management Lab	0-3-0-1
RESP 4124	Newborn and Pediatric Respiratory Care	3-0-0-3
RESP 4127	Newborn and Pediatric Resp. Care Lab	0-2-0-1
RESP 4426	Clinic II	0-0-8-1

**Fall**

RESP 4411	Cardiopulmonary Pathophysiology II	0-6-0-3
RESP 4427	Clinic III	0-0-8-1
RESP 4428	Clinic IV	0-0-12-6
RESP 4514	Adv. Ventilator Mgt. Techniques	2-0-0-2
RESP 4517	Adv. Ventilator Mgt. Techniques Lab	0-4-0-2

**Spring**

RESP 4412	Clinical Presentations	1-4-0-2
RESP 4429	Clinic V	0-0-8-1
RESP 4430	Clinic VI	0-0-12-2
RESP 4431	Clinic VII	0-0-40-3
RESP 4650	Respiratory Care Seminar	30-0-0-2
AHS 3360	US Health Care Delivery	3-0-0-1

**Total Hours** **70**

# MCG CATALOG

[MCG Catalog](#) > [School of Allied Health Sciences](#) > [Respiratory Therapy](#) > [Degree Requirements](#)

## School of Allied Health Sciences: Respiratory Therapy

### Academic Promotion and Graduation

Final grades for academic courses and modules taught by the respiratory therapy faculty are given on an A, B, C, or F scale. The grade of D is not acceptable in any course taught by MCG faculty.

Students must meet the minimum level of proficiency established for each course or module. Minimal level of proficiency is set at 75 percent level of correct responses in written, oral and/or practical examination plus satisfactory completion of other course requirements. This applies to courses taught by the respiratory therapy faculty.

Satisfactory progress through the curriculum depends on satisfactory completion of each course/module at the time the course/module is offered.

Incomplete (I) may be given in any course or module under extenuating circumstances at the discretion of the instructor(s). These must be made up in accordance with MCG policy.

A student who earns a grade of F in any course or module is subject to dismissal from the program.

#### Academic Standards

The Department of Respiratory Therapy reserves the right to place a student on departmental probation and to deny permission to continue enrollment in the Department of Respiratory Therapy if, in the opinion of the faculty, the student's knowledge, clinical performance, character or mental or physical fitness cast grave doubts upon his potential capacities as a respiratory therapist.

#### Graduation Requirements

The faculty of the Department of Respiratory Therapy make recommendations for graduation based on a student's ability to develop qualities considered essential for the profession. In addition, the student must pass comprehensive written examinations.



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# MCG CATALOG

## School of Allied Health Sciences: Respiratory Therapy

### General Admission Criteria

#### Traditional 2+2 Transfer Program

Admission is based on the applicant's prior academic performance at the college level, personal interviews, and assessment of personal qualities needed to successfully complete the program.

1. Prior to enrollment, the applicant must have completed a [core curriculum](#) of 60 semester hours at another accredited college or university.
2. A grade point average of at least 2.5 (on a 4.0 scale) on all previous college work and an average of at least 2.5 on math and science courses are required for consideration.
3. Two letters of recommendation are required.
4. Interviews are by invitation only.
5.
  1. Current CPR and first aid certification is required prior to enrollment. CPR for Professional Rescuers is strongly recommended.
6. Applicants are required to shadow respiratory therapists at health care facilities in their area to increase their awareness of the profession.
7.
  1. Applicants whose first language is not English must submit official [TOEFL](#) scores. A minimum score of 213 on the computer-based exam or 550 on the paper exam is required for admission consideration.

The Admissions Committee selects the applicants who seem best qualified for the program from among those who apply. Application forms are available from the [Office of Academic Admissions](#).

Applications for admission are encouraged by April 1, but will continue to be processed until the class has been filled or until July 1, whichever comes sooner.

#### Program for Advanced Career Track (ACT) Registered Respiratory Therapists

Admission is based on the applicant's prior academic performance at the college level and personal interviews.

1. Prior to enrollment, the applicant must have completed a [core curriculum](#) of 60 semester hours at another accredited college or university.

2. A grade point average of at least 2.5 (on a 4.0 scale) on all previous college work and an average of at least 2.5 on math and science courses are required for consideration.
3. Two letters of recommendation are required.
4. Interviews are by invitation only.
5.
  1. Current CPR and first aid certification is required prior to enrollment. CPR for Professional Rescuers is strongly recommended.
6. Proof of NBRC credentials as a Registered Respiratory Therapist (RRT).
7.
  1. Applicants who first language is not English must submit official TOEFL scores. A minimum score of 550 is required for admission consideration.

The Admissions Committee selects the applicants who seem best qualified for the program from among those who apply. Application forms are available from the [Office of Academic Admissions](#). Applications must be received no later than 60 days prior to the registration date of the first semester.

**Technical Standards  
for Admission to and Graduation from  
Department of Respiratory Therapy**

Respiratory Therapy is a profession requiring manual skills in concert with a broad range of cognitive capabilities. Collection, evaluation and synthesis of data are vital to this discipline.

The therapeutic modalities provided by respiratory care practitioners require technical skills involving manual dexterity and a mechanical aptitude to perform in a safe and acceptable manner. Respiratory Therapists must be mobile and have the ability to operate in relatively small spaces. These requirements are necessary because of the critical and accurate care that is often provided in crisis situations.

The respiratory care practitioner must possess auditory capabilities that will allow him/her to discriminate sounds in order to assess the proper functioning of life support equipment. The therapist must be capable of ascertaining breath sounds and pulse sounds through the use of a stethoscope and blood pressure equipment.

The respiratory care practitioner must possess adequate vision to assess the proper functioning of life support equipment and to collect and interpret patient physiological parameters in order to direct and guide a successful treatment plan.

The respiratory care practitioner must have manual dexterity to:

- Draw venous and arterial blood
- Perform endotracheal suctioning
- Perform manual resuscitation (CPR) in the event of a cardiac emergency
- Maintain and modify equipment in routine emergency situations
- 1. Be able to move life support equipment in a rapid manner during a crisis situation
- Be sensitive to changes in pressure when performing emergency breathing with a manual resuscitator in the newborn and small infant as compared to the adult victim
- 1. Tactile sensitivity required to perform arterial puncture on the newborn and small infant

The respiratory care practitioners must have the ability to work under stress, manage time efficiently, exercise independent judgment and assume responsibility for their own work and actions. They must be able to read and interpret written and verbal instructions and take appropriate action. It is important that the respiratory care practitioner be able to communicate and maintain professional relationships with peers, patients, and physicians. It is also important that they think logically and process information quickly to solve clinical problems.

They must exercise ethical judgment, integrity, honesty, dependability and accountability in the classroom and clinical situations.

The Department of Respiratory Therapy, Medical College of Georgia makes every effort to provide the physically compromised student the opportunities to learn and develop into a safe, rational respiratory care practitioner. It is incumbent upon the student to realize that certain manual, technical, and professional tasks must be mastered in order to achieve passing grades and to successfully complete the respiratory therapy curriculum.

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# MCG CATALOG

[MCG Catalog](#) > [School of Allied Health Sciences](#) > [Respiratory Therapy](#)

## School of Allied Health Sciences: Respiratory Therapy

- [Admissions Requirements](#)
- [Degree Requirements](#)
- [Curriculum](#)
- [Course Descriptions \(PDF\)](#)

### RELATED LINKS

- [Department of Respiratory Therapy Home Page](#)
- [Student Handbook \(PDF\)](#)

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