

MEDICAL CURRICULUM (MDC)

MDC 710 Elements of Medicine 9 Credit hours

Elements of Medicine introduces the student to the fundamental concepts necessary to understand the structure and function of the human body at a molecular level.

Grade Mode: Normal Grading Mode

MDC 711 Structure and Function I 5 Credit hours

The Structure and Function I block introduces students to the organization of the human body at a gross and microscopic level while integrating the cellular processes that underlie the normal physiology of the musculoskeletal system and the integument.

Grade Mode: Normal Grading Mode

MDC 712 Structure and Function II 8 Credit hours

Nervous System and Behavior is an integrated course for first year medical students. Students will understand how internal (neurobiological) and external (family, community, and culture) processes determine human experience and behavior, and to introduce students to the diseases and disease processes which adversely affect the nervous system and behavior.

Grade Mode: Normal Grading Mode

MDC 713 Structure and Function III 6 Credit hours

Structure and Function III provides first year medical students with a solid foundation in normal human cardiovascular, pulmonary and renal structure and function.

Grade Mode: Normal Grading Mode

MDC 714 Structure and Function IV 6 Credit hours

Structure and Function IV provides first year medical students with a solid foundation in normal human gastrointestinal, endocrine and reproductive structure and function.

Grade Mode: Normal Grading Mode

MDC 750 Principles of Disease 7 Credit hours

Principles of Disease is an integrated introduction to human disease and treatment based on core concepts in microbiology, immunology, pharmacology, genetics, and pathology.

Grade Mode: Pass/Fail Grading Mode

MDC 751 Disease and Therapeutics I 6 Credit hours

Disease and Therapeutics I introduces the student to the fundamental concepts necessary to understand disease processes, diagnostics and therapeutic options for diseases of the Musculoskeletal, Dermatologic and Hematopoietic systems.

Grade Mode: Pass/Fail Grading Mode

MDC 752 Disease and Therapeutics II 7 Credit hours

Disease and Therapeutics II introduces the student to the fundamental concepts necessary to understand disease processes, diagnostics and therapeutic options for diseases of the nervous system.

Grade Mode: Pass/Fail Grading Mode

MDC 753 Disease and Therapeutics III 8 Credit hours

Disease and Therapeutics III introduces the student to the fundamental concepts necessary to understand disease processes, diagnostics and therapeutic options for diseases of the cardiovascular, pulmonary and renal systems.

Grade Mode: Pass/Fail Grading Mode

MDC 754 Disease and Therapeutics IV 9 Credit hours

Disease and Therapeutics IV introduces the student to the fundamental concepts necessary to understand disease processes, diagnostics and therapeutic options for diseases of the Gastrointestinal, Genitourinary and Endocrine systems.

Grade Mode: Pass/Fail Grading Mode

MDC 800 Physicians in Practice 1-18 Credit hours

This course will focus primarily on the non-medical knowledge competencies of the curriculum. This will include professionalism, systems based practice, practice-based learning and improvement, interpersonal and communication skills, and clinical and translational sciences.

Grade Mode: Pass/Fail Grading Mode

MDC 801 Mol & Cell Found of Medicine 1-18 Credit hours

This course will provide the molecular and cellular background for understanding human health and disease, as well as the basis for understanding human interactions with microorganisms, an introduction to pharmacology, and a comprehensive introduction to host defenses. Through the content covered the course will introduce students to a core set of medical knowledge required to understand, implement, and explain clinical decisions. Skills building will include teamwork, professionalism, life-long learning, and curation of appropriate information sources.

Grade Mode: Pass/Fail Grading Mode

MDC 802 Hematology and Oncology 1-18 Credit hours

The courses addresses various competencies including medical knowledge, patient care, and professionalism.

Grade Mode: Pass/Fail Grading Mode

MDC 803 Patient Care & Clinical Skills 1-18 Credit hours

This course will help students master the skills necessary for obtaining a thorough history and performing a complete physical exam. This course will instruct and assess on all components necessary to provide clinical care.

Grade Mode: Pass/Fail Grading Mode

MDC 804 Ortho and the Neuro Network 1-18 Credit hours

This course will integrate the basic science and clinical information related to musculoskeletal, neurological, and psychiatric disorders. The course will focus primarily on the medical knowledge learning objectives, but will also include practice based learning, professionalism, and interpersonal and communication skills objectives.

Grade Mode: Pass/Fail Grading Mode

MDC 805 Nutrition & Gastroenterology 6 Credit hours

The goal of this course is to provide students with foundations of determinants of health and disease of the gastrointestinal system and explore the effects of nutrition on human health and disease. True vertical integration of relevant foundational science disciplines are leveraged to highlight the interplay of key concepts in the pathophysiology and management of diseases of the digestive system. Variety of active and self-directed learning pedagogies, including team-based learning, clinical correlates, small group activities, and independent study of clinical cases complement the didactic material and help the student apply the material to medical problem solving. The course is centered on patient care and integrates with the longitudinal course "Patient Care and Clinical Skills" to enhance the understanding and application of foundational sciences to the practice of medicine.

Grade Mode: Pass/Fail Grading Mode

MDC 806 Patient Care & Clin Skills II 1-18 Credit hours

A continuation of the first year course, this course will help students master the skills necessary for obtaining a thorough history and performing a complete physical exam. This course will instruct and assess on all components necessary to provide clinical care.

Grade Mode: Pass/Fail Grading Mode

MDC 807 Cardio, Renal, & Res Sys 1-18 Credit hours

This course will help students master the foundational concepts and clinical correlations for diseases of the three vital organ systems. The course employs integrative approach to build foundations for understanding determinates of health and disease related to these organ systems. All relevant foundational disciplines, including anatomy, physiology, pathology, pharmacology, and radiology will be covered in this course.

Grade Mode: Pass/Fail Grading Mode

MDC 808 Reproduction and Endocrinology 1-18 Credit hours

The goal of this course is to provide students with foundations of determinants of health and disease of the endocrine and the reproductive system. True vertical integration of relevant foundational science disciplines are leveraged to highlight the interplay of key concepts in the pathophysiology and management of diseases of these. Variety of active and self-directed learning pedagogies, including team-based learning, clinical correlates, small group activities, and independent study of clinical cases complement the didactic material and help the student apply the material to medical problem solving.

Grade Mode: Pass/Fail Grading Mode