

BIOMEDICAL SCIENCE (BMS)

BMS 605 Micro Pharm Med Sciences **2 Credit hours**

This is an integrated introduction to human disease and treatment based on core concepts in microbiology, immunology, and pharmacology, preparing students for detailed studies in subsequent courses.

Grade Mode: Normal Grading Mode

BMS 607 Hematology & Oncology **3 Credit hours**

This course will help students develop a foundational knowledge of the fundamental concepts of hematology, oncology and embryology so they can apply these concepts to body systems.

Grade Mode: Normal Grading Mode

BMS 609 Ortho and Neural Network **6 Credit hours**

This courses will enable students to integrate the foundational and clinical concepts important to understand the disease of the musculoskeletal and nervous systems.

Grade Mode: Normal Grading Mode

BMS 612 Gastroenterol & Nutrition **3 Credit hours**

This course will use the disciplines of physiology, microbiology, pathology, and pharmacology to help students master the fundamental concepts necessary to understand the normal and diseased gastrointestinal system.

Grade Mode: Normal Grading Mode

BMS 615 Cardio Pulmonary Renal **6 Credit hours**

This course will help students master the foundational concepts and clinical correlations for diseases of three of the five vital organs, i.e., cardiovascular, renal and the respiratory systems.

Grade Mode: Normal Grading Mode

BMS 618 Endocrine & Reproductive **3 Credit hours**

This course will help students master the foundational concepts and clinical correlations for diseases of the endocrine and reproductive systems.

Grade Mode: Normal Grading Mode

BMS 620 Multisystem Disorders **2 Credit hours**

This course will bring together the concepts taught in earlier courses to address disorders of multiple organ systems.

Grade Mode: Normal Grading Mode

BMS 628 Neuroscience I **3 Credit hours**

Pre-req: BMS 600.

Grade Mode: Normal Grading Mode

BMS 631 Neurosci/DevBio Lit Review **1 Credit hour**

Published articles in the neuroscience literature will be presented by all class members. Each presentation will include background introduction methods, results, and discussion of the neuroscience research.

Grade Mode: Credit/No Credit Grade Only

BMS 634 Biostat Epidem Med Sci **2 Credit hours**

This course will give students a thorough understanding of basic epidemiology and study design and the biostatistics used the medical research.

Grade Mode: Normal Grading Mode

BMS 652 Cancer Biol Colloquium **1 Credit hour**

This is a mentored journal club for graduate students covering selected areas of current interest in cancer biology research.

Grade Mode: Credit/No Credit Grade Only

BMS 674 Teaching Practicum **1 Credit hour**

Students gain experience in teaching using a variety of methods in a supervised setting.

Grade Mode: Credit/No Credit Grade Only

BMS 679 Special Problems **1-3 Credit hours**

Intensive study of a selected topic or problem. Emphasizes independent study.

Grade Mode: Credit/No Credit Grade Only

BMS 681 Thesis **1-6 Credit hours**

Grade Mode: Credit/No Credit Grade Only

BMS 813 Research in Biomed Sciences **1-18 Credit hours**

The goal of this course is to provide Year 4 medical students with an opportunity to conduct research in biomedical sciences under the mentorship of a basic science faculty member and to learn methods of research.

Grade Mode: Pass/Fail Grading Mode