

# Pathology Courses (PATH)

## PATH Courses

This is a list of courses with the subject code PATH. For more information, see Pathology (Carver College of Medicine) in the Catalog.

**PATH:4151 MLS Program Registration** 0 s.h.  
Requirements: admission to Medical Laboratory Science Program.

**PATH:5260 Translational Histopathology** 3 s.h.  
Didactic sessions on human comparative histology, molecular and cellular pathology, and animal model applications; laboratory sessions on microscopy, histology, histotechnology, and immunohistochemistry, with group discussions of model papers; experience in scientific writing and oral presentation skills; for students who plan to investigate experimental models of human disease.

**PATH:5270 Pathogenesis of Major Human Diseases** 3 s.h.  
Critical analysis of pathogenesis models in a series of major human diseases; clinical presentation, analysis of cellular and molecular events leading to the disease, discussion of key papers. Offered spring semesters of even years. Same as IGPI:5270, MMED:5270.

**PATH:5461 Introduction to Morphology in Research** 1 s.h.  
Introduction to the histologic examination of organs and tissues utilizing human and/or animal examples; organ identification, comparative morphology, use of histologic techniques (e.g., stains).

**PATH:6220 Seminar in Pathology** 1 s.h.  
Current research and literature. Requirements: pathology graduate standing.

**PATH:7001 Molecular and Cellular Biology of Cancer** 3 s.h.  
Fundamental aspects of oncology at cellular and molecular levels; mechanisms of cancer initiation and progression, oncogene action, DNA damage and repair, carcinogenesis by radiation, chemicals, viruses; tumor immunology, anticancer therapies. Offered spring semesters. Requirements: strong basic science background. Same as FRRB:7001.

**PATH:7211 Research in Pathology** arr.  
Basic aspects of pathology or clinical patient material; emphasis on experimental design, methods, literature review, obtaining formal answers to specific questions. Requirements: M.D. enrollment or graduate standing.

**PATH:8007 Medical Student Fellowships in Pathology (Externships)** 0 s.h.  
First-hand experience in autopsy, surgical and clinical pathology, teaching, and research to further understanding of disease mechanisms, normal and pathologic anatomy, laboratory use.

**PATH:8008 Warner Fellowship in Experimental Pathology** 0 s.h.  
One-year, full-time membership in established research laboratory in the Department of Pathology or collaborating laboratory. Requirements: M.D. enrollment.

**PATH:8133 Introduction to Human Pathology for Graduate Students** 3-4 s.h.  
Human disease; basic disease processes, organ-related and multisystem diseases; case analysis. Offered fall semesters.

**PATH:8401 Autopsy Pathology Clerkship** arr.

**PATH:8402 Hematopathology Clerkship** arr.

**PATH:8403 Surgical Pathology Clerkship** arr.

**PATH:8404 Transfusion Medicine** arr.

**PATH:8405 Clinical Microbiology** 2,4 s.h.  
Students rotate through bacteriology, molecular microbiology, mycology, mycobacteriology, and virology while participating in clinical and technical activities.

**PATH:8497 Research in Pathology** arr.  
Medical research, clinical or laboratory projects; individual study with department approval.

**PATH:8498 Pathology On Campus** arr.

**PATH:8499 Pathology Off Campus** arr.