

# PATHOLOGY (PATH)

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## Courses

### **PATH 501. Anatomy and Pathology I. 4 Units.**

A systems-based approach to the study of human anatomy utilizing cadaver dissection, correlating gross and microscopic anatomy and associated pathologies.

### **PATH 502. Anatomy and Pathology II. 4 Units.**

A systems-based approach to the study of human anatomy utilizing cadaver dissection, correlating gross and microscopic anatomy and associated pathologies.

### **PATH 517. Human Systemic Pathology. 9.5 Units.**

Application of basic science principles to patient care. Introduction to important diseases and anomalies of each human organ system and their impacts on patients. Emphasizes etiologies, pathogenesis, macroscopic and microscopic morphologic features, pathophysiologies, biologic behaviors, and relevant laboratory findings. Addresses analytical thinking, productive skills of cooperation among team members, and appropriate use of laboratory testing.

### **PATH 521. Anatomical Techniques I. 3 Units.**

Designed specifically for pathologists' assistant students. Comprehensive coverage of surgical and autopsy pathology techniques. Incorporates histology and medical terminology, including clinical and pathologic correlations.

### **PATH 522. Anatomical Techniques II. 3 Units.**

Designed specifically for pathologists' assistant students. Comprehensive coverage of surgical and autopsy pathology techniques. Incorporates histology and medical terminology, including clinical and pathologic correlations.

### **PATH 524. Clinical Microbiology for Pathologists' Assistants. 3 Units.**

Studies of pathologically pertinent microbes and pathogenic mechanisms; overview of methods of identification and antibiotic sensitivities.

### **PATH 534. Civic Engagement and Poverty: Service Learning. 1 Unit.**

Instructs students in working closely with community partners to examine local or international community resilience in response to poverty. Students reflect on how community members and society, as a whole, are affected and fight the effects of poverty, as well as on how a pathologists' assistant can serve a local community. Prerequisite: Matriculated Pathologists' Assistant Student, PGY 1.

### **PATH 551. Disease Mechanisms I. 3 Units.**

Comprehensive study of mechanisms of disease and clinical correlations, based on Robbins' Pathologic Basis of Disease.

### **PATH 552. Disease Mechanisms II. 3 Units.**

Builds on the basic courses in the pathologists' assistant curriculum. Requires students to use critical-thinking skills in the participatory discussion sessions. Prepares students for clinical practicum experiences.

### **PATH 564. Biomedical Photography. 1 Unit.**

Investigates the use of digital cameras, scanners, Adobe®, photomicrography, and macrophotography. Examines fundamental processes applied in digital photography to a wide range of specimen types.

### **PATH 581. Basic Pathologic Microanatomy. 2 Units.**

Designed specifically for pathologists' assistant students. Covers normal microanatomy, including clinical correlations and grossing techniques. Lectures enhanced by multihead microscopy sessions.

### **PATH 582. Advanced Microanatomy. 2 Units.**

Designed specifically for pathologists' assistant students. Covers disease states in microanatomy, including clinical correlations. Lectures enhanced by multihead microscopy sessions.

### **PATH 598. Clinical Laboratory Management. 2 Units.**

Laboratory organization and examination of principles and practices of laboratory management.

### **PATH 599. Directed Study. 1.5-18 Units.**

### **PATH 644. Clinical Pathology Seminar. 2 Units.**

Provides pathologists' assistant students with an overview of clinical pathology, relating clinical testing to disease processes.

### **PATH 741. Pathology Review I. 2 Units.**

An intense review of clinical and anatomical pathology theory with assigned presentations and clinical cases.

### **PATH 742. Pathology Review II. 2 Units.**

An intense review of clinical and anatomical pathology theory with assigned presentations and clinical cases.

### **PATH 743. Pathology Review III. 2 Units.**

An intense review of clinical and anatomical pathology theory with assigned presentations and clinical cases.

### **PATH 744. Pathology Review IV. 2 Units.**

An intense review of clinical and anatomical pathology theory with assigned presentations and clinical cases.

### **PATH 761. Pathologists' Assistant Practicum I. 9 Units.**

Rotations in surgical and autopsy pathology to include forensics and pediatrics in a variety of clinical settings, such as academic health centers, community hospitals, and private laboratories.

### **PATH 762. Pathologists' Assistant Practicum II. 9 Units.**

Rotations in surgical and autopsy pathology to include forensics and pediatrics in a variety of clinical settings, such as academic health centers, community hospitals, and private laboratories.

### **PATH 763. Pathologists' Assistant Practicum III. 9 Units.**

Rotations in surgical and autopsy pathology to include forensics and pediatrics in a variety of clinical settings, such as academic health centers, community hospitals, and private laboratories.

### **PATH 764. Pathologists' Assistant Practicum IV. 9 Units.**

Rotations in surgical and autopsy pathology to include forensics and pediatrics in a variety of clinical settings, such as academic health centers, community hospitals, and private laboratories.

### **PATH 891. Pathology Elective. 1.5-27 Units.**

Offers fourth-year medical students the opportunity to explore various areas of pathology, including but not limited to hematopathology, molecular embryopathy, and research.