Laboratory Medicine & Pathology Education Overview

BSc MLS
- Transition to clinical practice
- Hematology
- Hemostasis
- Pathogenic microbiology
- Human histology & histotechnology
- Clinical biochemistry
- Transfusion science
- Analysis & communication of biomedical information

Research project
- Molecular approaches to the study & diagnosis of disease
- Techniques in molecular biology
- Applied toxicology
- Introduction to clinical laboratory management
- Clinical biochemistry
- Clinical immunology
- Emerging trends in medical laboratory science
- Advanced hematology

MSc LMP
- Introduction to human disease
- Cryobiology
- Experimental design & scientific communication
- Practical tools for scientific research
- Directed reading in laboratory medicine and pathology
- Analytical and environmental toxicology
- Laboratory research methods
- Toxicology and regulation
- Techniques in molecular biology
- Technology and the future of medicine
- Thesis research

MD Program
- General pathology:
  - Orientation to basic pathology
  - Anatomic pathology
  - Dermatologic pathology
  - General pathology
  - Hematopathology
  - Microbiology
  - Pathology
  - Cytology
  - Breast pathology
  - Gastro-intestinal pathology
  - Lymphoma
  - Autopsy pathology
  - Forensic pathology
  - Pediatric pathology
  - Surgical pathology
  - Gynecological pathology
  - Molecular pathology

Pathologists' Assistant
- Course and practicum based:
  - Systematic pathology
  - Anatomic pathology techniques
  - Laboratory management
  - Pathologists' assistant clinical practicum
  - Research project

Residency programs
- Anatomic or General Pathology:
- Observerships
- Electives
- Hematopathology:
- Observerships
- Electives

Professional Workforce

MD Fellowships
- Clinical fellowships:
  - Clinical biochemistry
  - Clinical microbiology
  - Histocompatibility and immunogenetics

Postdoctoral Fellowships
- Research

Professional Workforce
- Medical microbiology:
  - Medical bacteriology
  - Molecular microbiology
  - Myology
  - Paracysiology
  - Virology
  - Serology
  - Antibiotic stewardship
  - Lab management
  - Clinical infectious diseases
  - Public health
  - Epidemiology

Forensic pathology
- Breast pathology
- Coagulation medicine
- Renal, hepatobiliary & transplantation pathology
- Lymphoproliferative disorders
- Molecular genetic pathology
- Pediatric pathology
- Transfusion medicine