

**Required and Elective Courses  
Ph.D. Program  
Department of Pathology**

**REQUIRED COURSES**

Infection and Host Responses	INTD 522	4 units
Molecular Genetics	INTD 561	4 units
Cell Biology	INTD 531	4 units
Introduction to Pathology	INTD 550	2 units
Advanced Pathology	INTD 551	6 units
Biochemistry or prior equivalent	INTD 571	4 units
Methods in Experimental Pathology	PATH 552a	3 units
Methods in Experimental Pathology	PATH 552b	2 units
Seminar in Pathology	PATH 570abcd	4 units
Doctoral Dissertation	PATH 794ab	4 units

**ELECTIVE COURSES**

Cellular and Molecular Basis of Animal Development	BIOC 542	4 units
Systematic Research Writing	CBY 585	3 units
Molecular Biology of Cancer	INTD 504	4 units
Animal Virology	MICB 542	2 units
Prokaryotic Molecular Genetics	MICB 551	4 units
Molecular Pharmacology and Toxicology	MPTX 500	4 units
Frontiers of Pathology (2 units, 4 semesters maximum)	PATH 575	
Viral Oncology	PATH 630	2 units
Research (1 or more units)	PATH 790	
Systems and Integrative Physiology	PHBI 562	4 units
Biometry Principles	PM 510L	4 units