

Pharmacology & Toxicology Research M.S. Curriculum

The Research Master's Degree is a 2+ year course of study which includes the Pharmacology Foundation series, a research project and a research Thesis.

Course	Year	Term	Hours	Course		
Title					Co-Curricular Requirements	
BIOC 645	AY1	Fall	4	Biochemistry I		Diagnostic Exam
PHTX 660	AY1	Fall	4	Principles of Drug and Chemical Action		Receive research descriptions from mentors. Meet to discuss.
PHTX 672/673	AY1	Fall	1+1	Research Methods in Pharmacology and Toxicology I & II		Rotation selection by August 15
PHTX 619	AY1	Fall	2	Research in Pharmacology [grade assigned by Grad Cmte]		Rotation 1 – Report and lab book Rotation 2 – Report and lab book
Total	AY1	Fall	12			
Mentor Selection by end of semester is ideal						
PHTX	AY1	Spring	2	Neuropharmacology		
BIOC 647	AY1	Spring	4	Biochemistry II		
MBIO 667	AY1	Spring	3	Cell Biology		
PHTX 674/675	AY1	Spring	1+1	Research Methods in Pharmacology and Toxicology III & IV		
PHTX 619	AY1	Spring	1	Research in Pharmacology [grade assigned by Grad Committee]		With mentor, develop Thesis topic
PHTX 606	AY1	Spring	1	Pharmacology & Toxicology Seminar		
BIOC 603	AY1	Spring	1	Ethics		With mentor, create Thesis Committee, have approved
Total	AY1	Spring	14			
PHTX 625	AY2	Fall	2	Scientific Writing		
PHTX 658	AY2	Fall	1	Selective Toxicity and Chemotherapeutics		
PHTX 656	AY2	Fall	2	Cardiovascular and Renal Pharmacology		
PHTX 657	AY2	Fall	2	Endocrine and Metabolic Pharmacology		
PHTX 619	AY2	Fall	1	Research in Pharmacology [grade assigned by Grad Committee]		Submission of outline/draft of research plan as research report
PHTX 606	AY2	Fall	1	Pharmacology & Toxicology Seminar		
Total	AY2	Fall	9			
Promotion to Candidacy						
Electives						Each year, candidates will present research finding and progress report to department. Dissertation committee will report concerning progress. Expectation of annual national / international presentation.
Various	AYx	Fall	If appropriate, candidates may take elective courses for enrichment			
Various	AYx	Spring				
AY2-AY3 Research followed by Presentation and Defense of Masters Thesis						
TOTAL HOURS			35 hrs			