

Pharmacology & Toxicology Academic M.S. Curriculum

The Academic Master's degree is a 1.5+ year course of study with a less in-depth foundation, more breadth of experience in the classroom (electives) and a capstone experience of a "dry" thesis – literature review or the like. It is proposed as ideal for:

- As a standalone M.S. for individuals in professions that draw upon a pharmacological or toxicological foundation but do not require research expertise (e.g. pharmaceutical representatives, medical insurance providers, medico-legal professionals)
- Pairing with other programs to form hybrid or dual science/business degrees, such as an M.S./M.B.A. program for individuals interested in progressing through management ranks in Pharma or biotech businesses
- When coupled with extensive scientific writing experience or electives, as the basis for a scientific writing career
- When combined with theoretical and practical training in laboratory analysis, as the basis for a career in biotechnology

Course	Year	Term	Hours	Course	Co-Curricular Requirements
				Title	
BIOC 645	AY1	Fall	4	Biochemistry I	Diagnostic Exam
PHTX 660	AY1	Fall	4	Principles of Drug and Chemical Action	Select mentor.
PHTX 672/673	AY1	Fall	1+1	Research Methods in Pharmacology and Toxicology I & II	Develop thesis topic
Total	AY1	Fall	10		
PHTX new	AY1	Spring	2	Neuropharmacology	With mentor, finalize Thesis topic.
BIOC 647	AY1	Spring	4	Biochemistry II	
MBO 667	AY1	Spring	3	Cell Biology	
PHTX 674/675	AY1	Spring	1+1	Research Methods in Pharmacology and Toxicology III & IV	Produce topic and Thesis Outline for approval
BIOC 603	AY1	Spring	1	Ethics	Selection of Committee
Total	AY1	Spring	12		
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 620	AY2-3	Any	3	Masters Thesis	
Total	AY2	Fall	10		
Promotion to Candidacy					
PRESENTATION AND DEFENSE of the Masters' Thesis					
TOTAL HOURS			32 hrs		