

PTOX Professional Division Curriculum (entering P1 Fall 2021 and after)					
Fifth Term					Pre &/or Co Req
	MBC	3310	Medicinal Chemistry I	2	CHEM 2420
	MBC	3550	Physiological Chemistry I	3	
	PHCL	3700	Pharmacology I	3	
	PHCL	4730	Toxicology I	3	Coreq PHCL 3700
			Major Electives (Recommend BIOL 3010 & 3020 MBC 3330) ¹	5-6	
				16-17	
Sixth Term					
	MBC	3320	Medicinal Chemistry II	3	MBC 3310, MBC 3550
	MBC	3560	Physiological Chemistry II	3	MBC 3550
	PHCL	3730	BSPS Pharmacology II	3	PHCL 3700
	PHCL	3810	Pharmacology & Toxicology Lab ²	1	PHCL 3700
	PHCL	4750	Toxicology II	3	PHCL 3700
			Major Elective (Recommended MBC 3100) ¹	1	
			Major Elective	3	
				17	
Seventh Term					
	MBC	4710	Targeted Drug Design	3	MBC 3320
	PHCL	4810	BSPS Pharmacology III	3	PHCL 3730
			Major Elective ¹	9	
				15	
Eighth Term					
	PHCL	4780	Internship in Pharmacology/Toxicology ³	6-12	PHCL 3730, PHCL 3810, MBC 3320, MBC 3560
				6-12	

¹To be chosen from the PTOX electives list.

²Required for internship and only offered in spring.

³Internship can be taken in the summer before the P2 year.

All requirements listed above must be fulfilled with a minimum of 120 semester hours required for graduation.

PTOX Major Electives

A total of 18 hours of course work must be selected from the list of elective courses below. Other electives require approval of the PTOX adviser.

BIOL	3010	Molecular Genetics	3
BIOL	3020	Molecular Genetics - Lab	2
BIOL	3030	Cell Biology	3
BIOL	3040	Cell Biology Lab	2

BIOL	4010	Molecular Biology	3
BIOL	4030	Microbiology	3
BIOL	4050	Immunology	3
BIOL	4110	Human Genetics	3
BIOL	4330	Parasitology	3
CHEM	3310	Analytical Chemistry	2
CHEM	3360	Analytical Chemistry Lab	2
CHEM	3710	Physical Chemistry for the Biosciences I	3
CHEM	3720	Physical Chemistry for the Biosciences II	3
CHEM	3730	Physical Chemistry I	3
CHEM	3740	Physical Chemistry II	3
CHEM	4300	Instrumental Analysis	2
CHEM	4880	Advanced Laboratory III	2
MBC	3100	Practices in Pharmaceutical Research	1
MBC	3330	Techniques in Pharmaceutical and Medicinal Chemistry	2
MBC	3340	Techniques in Pharmaceutical and Medicinal Chemistry Lab	1
MBC	3860	Microbiology for Pharm. Professionals	2
MBC	4300	Chemotherapy and Immunotherapy	2
MBC	4400	Cannabis Science Plants Products	3
MBC	4470	Advanced Immunotherapeutics	2
MBC	4880	Medicinal Biotech Lab	1 to 10
MBC	4980	Special Topics in Drug Design	1 to 4
PHCL	4140	Interpretation of Pharmaceutical Data	3
PHCL	4400	Cannabis Science – Risks & Benefits	3
PHCL	4760	Toxicokinetics	3
PHCL	4820	BSPS Pharmacology IV	3
PHCL	4900	Hnrs Seminar Pharmacology/Toxicology	1 to 3
PHCL	4910	Problems in Pharmacology/Toxicology	1 to 3
PHCL	4960	Honors Thesis Pharmacology/Toxicology	2 to 5