

**PHAR Professional Division Curriculum (entering P1 Fall 2021 and after)**

<b>PHAR Professional Division Curriculum (entering P1 Fall 2021 and after)</b>				
<b>Fifth Term</b>				Pre &/or Co Req
MBC	3310	Medicinal Chemistry I	2	CHEM 2420
MBC	3550	Physiological Chemistry I	3	
PHCL	3700	Pharmacology I	3	
PHPR	3010	Pharmaceutical Calculations	2	
PHPR	3020	Pharmaceutcs I	3	
PHPR	3110	Pharmaceutics I Lab	1	Coreqs PHPR 3010, PHPR 3020
BUAD	3010	Principles of Marketing	3	ECON 1200 or MIME 2600
			<b>17</b>	
<b>Sixth Term</b>				
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
PHPR	3030	Pharmaceutics II	3	PHPR 3020
PHPR	3120	Pharmaceutics II Lab	1	Coreq PHPR 3030
BUAD	2070	Business statistics and analytics	3	BUAD 2060 or MATH 2600 or MATH 2630
			<b>16</b>	
<b>Seventh Term</b>				
PHPR	4880	Internship in Pharmaceutics <sup>1</sup>	<b>3 to 6</b>	
<b>Eighth Term</b>				
MBC	3330	Techniques in Pharmaceutical and Medicinal Chemistry	2	
MBC	3340	Techniques in Pharmaceutical and Medicinal Chemistry Laboratory	1	
PHCL	4810	BSPS Pharmacology III	3	PHCL 3730
PHPR	4770	Advanced Drug Delivery Systems I	3	PHPR 3020, PHPR 3030
CHEM	3310	Analytical Chemistry	2	CHEM 1240
		Major electives <sup>1</sup>	2	
			<b>13</b>	
<b>Ninth Term</b>				
BUAD	3020	Principles of Manufacturing and Service Systems	3	BUAD 2070
BUAD	3030	Managerial and Behavioral Processes in Organization	3	
CHEM	3360	Analytical Chemistry Lab	2	CHEM 3310, CHEM 1290
MBC	3860	Microbiology for Pharmaceutical Professionals	2	MBC 3550
PHCL	4160	Biopharm. and Pharmacokinetics	3	
		Major electives <sup>2</sup>	2	
			<b>15</b>	

<sup>1</sup>3 credit hours are required, an additional 1-3 credit hours can be taken, The additional credit hours cannot be used as Pharmaceutics major elective hours.

<sup>2</sup> Need 4 credit hours major electives

All requirements listed above must be fulfilled with a minimum of 123 semester hours required for graduation.

### PHAR Major Electives

Other electives require approval of the PHAR major adviser

BIOL	3010	Molecular Genetics	3
BIOL	3020	Molecular Genetics Lab	2
BIOL	4110	Human Genetics	3
BIOL	4330	Parasitology	3
CHEM	3730	Physical Chemistry I	3
CHEM	3740	Physical Chemistry II	3
ECON	4750	Health Economics	3
HEAL	2800	Principles of Nutrition	3
MBC	4380	Medicinal Plants	3
MBC	4400	Cannabis Science Plants Products	3
PHCL	4400	Cannabis Science – Risks & Benefits	3
PHCL	4820	Pharmacology IV	3
PHPR	4680	Parenteral Manufacturing*	2
PHPR	4690	Dosage Form Design*	3
PHPR	4710	Selected Topics in Pharm. Tech.*	2
PHPR	4720	Pharmaceutical Rate Process*	2
PHPR	4900	Honors Seminar Pharmaceutics	1 to 3
PHPR	4910	Pharmacy Practice Problems	1 to 3
PHPR	4960	Honors Thesis Pharmacy Practice	2 to 5