



Pharmacy (PHAR)

First Year

Fall Semester

Code	Title	Credits	Prerequisites	Corequisites
PHAR407L	Pharmaceutical/Biotechnology Lab	1	ENGL251-PHAR205-CHEM300L-CHEM300	PHAR407
CHEM300	Organic Chemistry II	3	ENGL051-ENGL101-CHEM250	
CHEM300L	Organic Chemistry Lab	2	ENGL051-ENGL101-CHEM250	
MATH245	Statistics for Health Sciences	3	ENGL051-ENGL101-ENGL151	
ARAB200	Arabic Language and Literature	3		
CULT200	Introduction to Arab - Islamic Civilization	3		
ENGL201	Composition and Research Skills	3	ENGL151	
PHAR200	Introduction to Drug Information	2	ENGL051-ENGL101	
PHAR300	Pharmaceutical Calculations	2	ENGL051-ENGL101-CHEM200	PHAR250-PHAR200
PHAR407	Pharmaceutical Analysis & Biotechnology	2	PHAR205-CHEM300L-CHEM300-CHEM250	PHAR407L
PHAR410	Drug Dosage Forms I	3		
PHAR425	Pharmacognosy & Herbal Medicine	3		
PHAR580	Pharmacy Practice Experience II (PPE II)	6	PHAR585-PHAR560-PHAR550-PHAR510-PHAR500-PHAR570-PHAR565-PHAR555-PHAR520-PHAR515-PHAR505-PHAR480	
PHAR205	Quantitative Analysis	2	ENGL051-CHEM200	CHEM250
BIOC310	Medical Biochemistry	4	CHEM250-BIOL200	
PHAR435	Dermatology and Cosmetology	3		
BIOL200	General Biology I	3	ENGL051-ENGL101-BIOL160	BIOL200L
BIOL200L	General Biology I Lab	1	ENGL051-ENGL101	BIOL200
PHAR420	Physical Pharmacy	3		
BIOL385L	Microbiology Lab	1	ENGL051-ENGL101	BIOL385
BMED445	Pathophysiology	3	BIOL360	
BIOL385	Microbiology	3	ENGL051-ENGL101-BIOL200	BIOL385L
CHEM200L	General Chemistry Lab	1	ENGL101-CHEM160	CHEM200
CHEM200	General Chemistry	3	ENGL101-CHEM160	CHEM200L
Total		63		

Spring Semester

Code	Title	Credits	Prerequisites	Corequisites
CHEM250	Organic Chemistry I	3	ENGL051-ENGL101-CHEM200	
PHAR400	Medicinal Chemistry I	3	CHEM300L-CHEM300-CHEM200	
CSCI200	Introduction to Computers	3	ENGL051	
PHAR250	Pharmacy Practice ,History & Ethics	3	ENGL051-ENGL101	
BIOL360	Human Physiology & Anatomy	4	BIOL200	BIOL360L
BIOL360L	Human Physiology & Anatomy Lab	1		BIOL360
ENGL251	Communication Skills	3	ENGL201	
PHAR415	Professional Communications	1		

PHAR450	Medicinal Chemistry II	3	PHAR400	
PHAR472L	Compounding Lab	1	PHAR410	PHAR472
PHAR472	Drug Dosage Form II	3	PHAR410	PHAR472L
PHAR465	Interpretations of Lab Data	3		
PHAR460	Pharmacy Management & Drug Marketing	3		
PHAR455	Physical Assessment in Pharmacy Practice	3		
Total		37		

Summer Semester

Code	Title	Credits	Prerequisites	Corequisites
PHAR480	Pharmacy Practice Experience I (PPEI)	6	PHAR415-PHAR455-PHAR465-PHAR472L-PHAR472-PHAR407-PHAR420-PHAR407L-PHAR425-PHAR435-PHAR410-BMED445-PHAR460-PHAR450-PHAR400	
Total		6		

Second Year

Fall Semester

Code	Title	Credits	Prerequisites	Corequisites
PHAR500	Pharmacy Elective I	3	BIOL200	
PHAR520	Pharmacotherapeutics II (Pulmonary/Rheumatology)	3	PHAR480	PHAR505
PHAR515	Pharmacotherapeutics I (Neurology/Psychiatry)	3	PHAR480	PHAR505
PHAR505	Pharmacology I	4	PHAR480	PHAR435-PHAR425-PHAR420-PHAR415-PHAR410-PHAR407L-PHAR407-PHAR400
	General Education Electives	3		
PHAR510	Biopharmaceutics & Pharmacokinetics	4	PHAR480	PHAR472L-PHAR472-PHAR420
Total		20		

Spring Semester

Code	Title	Credits	Prerequisites	Corequisites
PHAR585	Pharmacy Seminar	2	PHAR515	
PHAR565	Pharmacotherapeutics III (Cardiology/Nephrology)	3	PHAR480	PHAR555
PHAR570	Pharmacotherapeutics IV (Endocrinology/Dermatology)	3	PHAR480	PHAR555
PHAR560	Pharmacogenomics	3	PHAR505	PHAR555
PHAR555	Pharmacology II	4	PHAR505	PHAR472L-PHAR472-PHAR465-PHAR460-PHAR455-PHAR435-PHAR415-PHAR450
	General Education Electives	3		
PHAR550	Pharmacy Elective II	3	BIOL200	
Total		21		

Third Year

Fall Semester

Code	Title	Credits	Prerequisites	Corequisites
PHAR620	Pharmacotherapeutics VI (Hematology/Oncology)	3	PHAR580	
PHAR615	Pharmacotherapeutics V (infectious Diseases)	3	PHAR580	
PHAR610	Toxicology	3	PHAR555	
PHAR635	Parenteral Dosage Forms	2	PHAR580	
PHAR606	Non-Prescription Drugs	3	PHAR580	
PHAR625	Pharmacoeconomics	3	PHAR555	
Total		17		

Spring Semester

Code	Title	Credits	Prerequisites	Corequisites
PHAR650	Pharmacy Dispensing Practice	2	PHAR635-PHAR625-PHAR606-PHAR580-PHAR480-	PHAR665-PHAR660-PHAR656

			PHAR620-PHAR615-PHAR610	
PHAR656	Pharmacy Law	1	PHAR635-PHAR625-PHAR606-PHAR580-PHAR480-PHAR620-PHAR615-PHAR610	PHAR650-PHAR665-PHAR660
PHAR660	Pharmacy Practice Experience III (PPE III)	6	PHAR635-PHAR625-PHAR606-PHAR580-PHAR480-PHAR620-PHAR615-PHAR610	PHAR656-PHAR650
PHAR665	Pharmacy Practice Experience IV(PPE IV)	6	PHAR635-PHAR625-PHAR606-PHAR580-PHAR480-PHAR620-PHAR615-PHAR610	PHAR656-PHAR650
	Total	15		

Major Elective Courses

Code	Title	Credits	Prerequisites	Corequisites
There are no Major Elective Courses				