

ACADEMIC ROADMAP

Pharmacy Programs (Preparing for the PCAT)

Fall 2022

Freshman Year (30 credits)

FIRST SEMESTER

Course Title	Catalog Number	Prerequisite(s)
Foundations of Biology	BIO 111	
Introductory Chemistry or Functions and Modeling	CHE 110	If Math SAT > 480 or High School GPA > 83% may go directly to CHE 111/113
Ethics for Scientists	PHI 111 (IF Humanities)	
Functions & Modeling	MAT 114	Note: preparing for calculus
College Writing I	CWP 101	

SECOND SEMESTER

Course Title	Catalog Number	Prerequisite(s)
Introductory Biology Series	BIO 211 or BIO 213	BIO 111 ("C" or better)
Fundamentals of Chemistry I + lab	CHE 111/113 or 112/114	CHE 110 or MAT 114 or CHE 111/113
Introduction to Psychology	PSY 101 (IF Social Science)	
Functions & Modeling II	MAT 124	MAT 114
College Writing II	CWP 102	CWP 101

Notes and recommendations:

Meet with the pre-health advisor regularly. Generally, calculus (MAT 126) is required the pre-requisites are MAT 114 and 124. MAT 126 is a pre-requisite for MAT 127 (applied calculus II). Pre-requisite link below.

Sophomore Year (60 credits)

THIRD SEMESTER

Course Title	Catalog Number	Prerequisite(s)
Introductory Biology Series	BIO 211 or BIO 213	BIO 111 ("C" or better)
Fundamentals of Chemistry II + lab or Organic Chemistry I + lab	CHE 112/114 or CHE 201/203	CHE 111/113 or CHE 112/114
Applied Calculus I	MAT 126	MAT 124
Intellectual Foundations course		
Major course	By advisement	

FOURTH SEMESTER

Course Title	Catalog Number	Prerequisite(s)
Microbiology (spring only)	BIO 316 (Spring only)	BIO 211 & 213; CHE 111/113
Organic Chemistry I + lab or Organic Chemistry II + lab	CHE 201/203 or CHE 202/204	CHE 112/114 or CHE 201/203
Applied Calculus II	MAT 127	MAT 126
Intellectual Foundations course		

Notes and recommendations: Look at the PCAT, continue meeting with pre-health advisor, investigate summer research, shadowing experiences.

Junior Year (90 credits)

FIFTH SEMESTER

Course Title	Catalog Number	Prerequisite(s)
Organic Chemistry II + lab or Biochemistry (fall only)	CHE 202/204 or CHE 470	CHE 201/203 CHE 202/204 NOTE: Following sequence
College Physics I	PHY 107	
Developmental Psychology	PSY 355	PSY 101
All College elective		
All College elective		

SIXTH SEMESTER

Course Title	Catalog Number	Prerequisite(s)
College Physics II	PHY 108	PHY 107
Biology upper-division elective	By advisement	
Biology upper division	By advisement	
All College elective		

Notes and recommendations:

Visit the Career Development Center; Continue meeting with advisors about progress toward pharmacy school. Investigate summer, shadowing and research opportunities.

Senior Year (120 credits)

SEVENTH SEMESTER

Course Title	Catalog Number	Prerequisite(s)
Biochemistry If not taken previously	CHE 470	CHE 202/204
Anatomy & Physiology I	BIO 311	Fall only
All College elective		

EIGHTH SEMESTER

Course Title	Catalog Number	Prerequisite(s)
Anatomy & Physiology II	BIO 312 (spring only)	BIO 311
All College elective		
All College elective		

Summary of Pharmacy pre-requisites by program:

https://www.pharmacas.org/sites/default/files/2022-07/AACP_Course_Prerequisite_Summary.pdf