

Major Map: Pharmaceutical Sciences Bachelor of Science (B.S.) College of Pharmacy Bulletin Year: 2024-2025

This course plan is a recommended sequence for this major. Courses designated as critical (!) may have a deadline for completion and/or affect time to graduation. Please see the Program Notes section for details regarding "critical courses" for this particular Program of Study.

ritical		Credit	Min. Grade <sup>1</sup>	Major	Code	Prerequisites	Notes
emest	er One (17-18 Credit Hours)						
!	ENGL 101 Critical Reading and Composition	3	С		CC-CMW		
!	MATH 122 Calculus for Bus. Admin. & Soc. Sciences or MATH 141 Calculus 1 <sup>3</sup>	3-4	С		CC-ARP	Math 111/111/115 or Math placement test score	
1	BIOL 101 & Lab – Biological Principles I	4	С		CC-SCI		
!	CHEM 111 – General Chemistry I	3	C		CC-SCI	MATH 111 or 115 or Math	
•		0	U		00 001	placement test score	
!	CHEM 111L General Chemistry I Laboratory	1	С		PR	MATH 111 or 115 (or higher);	
	UNIV 101 The Student in the University (strongly	3	С		PR/CC	Prereq or Coreq: CHEM 111	
	recommended) or Carolina Core Requirement <sup>4</sup>	Ũ	Ũ		11000		
nest	er Two (17 Credit Hours)						
!	ENGL 102 Rhetoric and Composition	3	С		CC-CMW		
					CC-INF		
!	STAT 201 Elementary Statistics or STAT 205 Elem. Stat. for the Biological & Life Sciences	3	С		CC-ARP	See Bulletin listing.	
	or STAT 206 Elementary Statistics for Business						
!	BIOL 102 & Lab – Biological Principles II	4	С		PR		
: !	CHEM 112 & Lab – General Chemistry II	4	C C		PR	CHEM 111/111L & MATH	
•			_			111/115/122/141 or higher math	
!	PSYC 101 Introduction to Psychology	3	С		CC-GSS		
nest	er Three (16-19 Credit Hours)						
!	BIOL 243 Human Anatomy and Physiology I	3	С		PR		
!	CHEM 333 & 331 Lab – Organic Chemistry I	4	С		PR	CHEM 112	
!	PHYS 201 General Physics I	3	С		PR	C or better in MATH 111/111i/ 112/115/116/122/141 or higher	
1	ECON 224 Introduction to Economics <sup>5</sup>	3	С		PR	,,	
!	Foreign language <sup>6</sup> or other Carolina Core Requirement <sup>4</sup>	3	Č		CC-GFL		
!	Carolina Core Requirement <sup>5</sup> or Approved Elective <sup>7</sup> (only if	0-3	Č		CC/PR		
•	needed to meet CC Requirements or Pre-Pharmacy hours)	00	Ũ		00/110		
nest	er Four (16 Credit Hours)	1	1				
1	BIOL 244 Human Anatomy & Physiology II	3	С		PR	BIOL 243	
I	BIOL 250 Microbiology	3	C			College-level biology & chemistry	
:	CHEM 334 & 332 Lab – Organic Chemistry II	4	C		PR	CHEM 333 & 331 Lab	
	Foreign language <sup>6</sup> or other Carolina Core Requirement <sup>4</sup>	3	C		CC-GFL	of term boo d bor Eab	
•	Carolina Core CMS Requirement	3	C		CC-CMS		
st he	admitted into the Pharm.D Professional Program to con	-	-	and 4 <sup>8</sup>			
	er Five (18 Credit Hours)	ipiete j					
nest	PHMY 600 Personal & Prof. Dev. for Student Pharmacists I	1	С		MR		
	PHMY 602 Found. of Pathophysiology & Pharmacology I						
	FINIT 002 FOUND. OF FAILOPHYSIOlogy & FIIAITIACOlogy I	2	Ĉ		MD		
	PHMY 607 Dosage Forms & Drug Delivory Systems	2	С		MR MR		
	PHMY 607 Dosage Forms & Drug Delivery Systems	4	C C		MR		
	PHMY 615 Pharmaceutical Biochemistry	4 3	C C C		MR MR		
	PHMY 615 Pharmaceutical Biochemistry PHMY 621 Found. of Medicinal Chemistry I	4 3 3	C C C C		MR MR MR		
	PHMY 615 Pharmaceutical Biochemistry PHMY 621 Found. of Medicinal Chemistry I PHMY 650 Introduction to Pharmacy Practice	4 3 3 2	C C C C C		MR MR MR MR		
	PHMY 615 Pharmaceutical Biochemistry PHMY 621 Found. of Medicinal Chemistry I PHMY 650 Introduction to Pharmacy Practice PHMY 656 Pharmacy Calculations	4 3 3 2 2	С С С С С С С С		MR MR MR MR MR		
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The Bachelor of Science of Pharmaceutical Science excludes labs, electives, personal/professional development courses, and introductory practice experiences courses taken within years 3 and 4 (years 1 and 2 of Pharm.D professional program). The Pharm.D program is a total of four professional years.

## **Graduation Requirements Summary**

Minimum Total	Minimum Major	College & Program	Carolina Core Hours	Minimum
Hours	Requirements Hours	Requirements Hours		Institutional GPA
132	66	32-35	31-34	2.0

- 1. Regardless of individual course grades, students must maintain a minimum 2.5 cumulative GPA to be eligible for admission to the Pharm.D program.
- Some colleges require a minimum GPA for major courses. Courses indicated in this column are included in the major GPA for this program of study.
   Students who do not place into the required ARP courses must complete the necessary prerequisites before continuing with the required Carolina Core
- ARP courses.
   The <u>Carolina Core</u> provides the common core of knowledge, skill and academic experience for all Carolina undergraduate students. Carolina Core courses in foreign language for GFL, history (U.S. or World) for GHS, fine arts for AIU, or political science or other VSR courses may be used to complete the Liberal Arts electives required in the Pre-Pharmacy curriculum.
- 5. Students may substitute ECON 224 with either ECON 221 or ECON 222.
- Students in the College of Pharmacy are required to demonstrate proficiency in one foreign language by a score of 2 or higher on the foreign language placement test, or by completing six hours of SPAN, FREN, GERM, or LATN, or by completing four hours of ARAB, CHIN, GREK, ITAL, JAPA, PORT, or RUSS.
- 7. Elective courses will be needed if the Pre-Pharmacy hour total is less than 66.
- In order to apply to the Pharm.D Professional Program and complete years 3 and 4 of the B.S. in Pharmaceutical Sciences, candidates must have a minimum 2.5 cumulative GPA. Other criteria such as application materials, PCAT scores, interview evaluations, and letters of recommendation do apply. A grade of C or higher must be earned in all coursework. Visit <u>Pharm.D Admissions</u> for more information.

## **Program Notes:**

- Courses identified as "critical" are prerequisites for the Pharm.D Professional Program and must be completed prior to admission.
- All undergraduate students must take a 3-credit course or its equivalent with a passing grade that covers the founding documents. This course may fulfill any requirement in the program of study. Courses that meet this requirement are listed in the academic bulletin.
- A total of 221 hours (66 hours of pre-pharmacy courses and 155 hours of professional program courses) are required for completion of the Doctor of
  Pharmacy degree. Pre-Pharmacy students have the option of obtaining a Bachelor of Science in Pharmaceutical Sciences at the end of their second
  professional year in pharmacy school. The final 62 credit hours required for the B.S. in Pharmaceutical Sciences degree are earned after admission to
  the University of South Carolina College of Pharmacy and during the first two years of the professional Doctor of Pharmacy program. The specific
  course requirements are described on the <u>College of Pharmacy</u> website under Pharm.D program.
- If a student has deficiencies (obtains a D+, D, F or U) in more than four courses during any given academic year, he/she will be dismissed from the pharmacy program.

University Requirements: Bachelor's degree-seeking students must meet Carolina Core (general education) requirements. For more information regarding these requirements, please visit the <u>Carolina Core</u> page on the University website.

Codes:			
CC	Carolina Core	CC-INF	Carolina Core – Information Literacy
CC-AIU	Carolina Core-Aesthetic and Interpretive Understanding	CC-INT	Carolina Core – Integrative Course
CC-ARP	Carolina Core-Analytical Reasoning and Problem-Solving	CC-SCI	Carolina Core – Scientific Literacy
CC-CMS	Carolina Core-Effective, Engaged, and Persuasive Communication: Spoken Component	CC-VSR	Carolina Core – Values, Ethics, and Social Responsibility
CC-CMW	Effective, Engaged, and Persuasive Communication: Written Component	CR	College Requirement
CC-GFL	Carolina Core-Global Citizenship and Multicultural Understanding: Foreign Language	MR	Major Requirement
CC-GHS	Carolina Core – Historical Thinking	PR	Program Requirement
CC-GSS	Carolina Core – Social Sciences		

Disclaimer: Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.