

Bachelor of Science in Pharmaceutical Sciences 2026-2027 Curriculum Guide
Required completion of 120 credit hours.

Fall – Semester One

Credits	Course	Title
4	BIOL 11000	Fundamentals of Biology I ¹
	OR BIOL 20300	Anatomy & Physiology I ¹
5	CHM 12901	General Chemistry with Biological Focus
3	MA 16010	Applied Calculus I ¹
1	PHSC 10000	Pharmacy Orientation I
3	Oral Communication UCC Selective ¹	
16 Total Credit Hours		

Spring – Semester Two

Credits	Course	Title
4	BIOL 11100	Fundamentals of Biology II
	OR BIOL 20400	Anatomy & Physiology II
3	MA 16020	Applied Calculus II
3	PHSC 20400	Organic Chemistry I ²
1	PHSC 20401	Organic Chemistry I Lab ²
3	Written Communication UCC Selective ¹	
14 Total Credit Hours		

Fall – Semester Three

Credits	Course	Title
4	BIOL 20300	Anatomy & Physiology I ¹
	OR BIOL 11000	Fundamentals of Biology I ¹
4	BIOL 22100	Introduction to Microbiology
	OR PHYS 22000	General Physics I
3	PHSC 20500	Organic Chemistry II ²
1	PHSC 20501	Organic Chemistry II Lab ²
3	STAT 30100	Elementary Statistical Methods
15 Total Credit Hours		

Spring – Semester Four

Credits	Course	Title
4	BIOL 20400	Anatomy & Physiology II
	OR BIOL 11100	Fundamentals of Biology II
4	PHYS 22000	General Physics I
	OR BIOL 22100	Introduction to Microbiology
3	PHSC 20800	Biochemistry for Pharmaceutical Science ²
3	PHSC 42200	Immunology ²
3	AGEC 21700	Economics ¹
17 Total Credit Hours		

Bachelor of Science in Pharmaceutical Sciences 2026-2027 Curriculum Guide, Continued

Fall – Semester Five

Credits	Course	Title
3	PHSC 42400	Pathophysiology / Drug Action
3	PHSC 42800	Dosage Forms I
2	PHSC 43600	Biochemistry for Pharmaceutical Science II
1	PHSC 20100	BSPS Orientation II
3	Science, Technology, & Society UCC Selective ¹	
3	Electives	
15 Total Credit Hours		

Spring – Semester Six

Credits	Course	Title
4	CHM 37200	Physical Chemistry
2	PHSC 42900	Dosage Forms II
3	PHSC 44400	Drug Classes and Mechanisms
3	Humanities UCC Selective ¹	
12 Total Credit Hours		

Fall – Semester Seven

Credits	Course	Title
3	PHSC 46000	Drug Discovery & Development I
1	PHSC 40000	Research Methods & Pharmacokinetics
3	Pharmacy Leadership Selective ³	
3	Pharmacy Special Interest Selective ³	
3	Professional Writing Selective ³	
3	Electives	
—	Pharmacy Experiential Selective ⁴	
16 Total Credit Hours		

Spring – Semester Eight

Credits	Course	Title
3	PHSC 46100	Drug Discovery & Development II
2	PHSC 48500	Intercultural & Global Health Issues
3	Pharmacy Special Interest Selective ³	
7	Electives	
15 Total Credit Hours		

Notes

1. Fulfills University Undergraduate Core Curriculum (UCC) requirements.
 2. Must have a cumulative GPA of 2.5 or higher to enroll.
 3. Review your mPP for Pharmacy Selective options.
 4. Review your mPP for Pharmacy Experiential Selective options.
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This plan of study represents one option for completing degree requirements and does not include AP, IB, or dual-enrollment credit earned during high school. Meet with a College of Pharmacy academic advisor to determine an individualized plan of study.