

B.S. in Pharmaceutical Sciences Curriculum

(Required completion of 120 credit hours, including University Core and elective hours.)

Semester 1

(4) BIOL 11000 Fundamentals of Biology I ¹ OR BIOL 20300 Anatomy & Physiology I
(5) CHM 12901 Gen. Chem w/ Biological Focus
(3) MA 16010 Applied Calculus I ¹
(1) PHRM 10000 Intro to Pharmacy & Pharm Sci ²
(3) Oral Communication UCC Selective ¹
(16) Credit Hours

Semester 2

(4) BIOL 11100 Fundamentals of Biology II OR BIOL 20400 Anatomy & Physiology II
Pharmacy Educational Selective (Choose one): (3) MA 16020 Applied Calculus II (required for BSPS Students) OR Pre-PharmD Admissions Course ³ (required for Pre-PharmD Students)
(4) MCMP 20400 Organic Chemistry I ⁴
(3-4) Written Communication UCC Selective ¹
(14-15) Credit Hours

Semester 3

(4) BIOL 20300 Anatomy & Physiology I ¹ OR BIOL 11000 Fundamentals of Biology I ¹
(4) BIOL 22100 Intro to Microbiology OR PHYS 22000 General Physics I
(4) MCMP 20500 Organic Chemistry II ⁴
(3) STAT 30100 Elementary Statistical Methods
(2) Elective (PHRM 20000 recommended for Pre-PharmD)
(17) Credit Hours

Semester 4

(3) AGEC 21700 Economics ¹
(4) BIOL 20400 Anatomy & Physiology II OR BIOL 11100 Fundamentals of Biology II
(4) PHYS 22000 General Physics I OR BIOL 22100 Intro to Microbiology
(3) MCMP 20800 Biochemistry for Pharm Science ⁴
(3) MCMP 42200 Immunology ⁴
(17) Credit Hours

Semester 5

(3) Professional Writing Selective ⁵
(3) PHRM 82400 Patho-Phys/Drug Action
(3) PHRM 82800 Dosage Forms I
(2) PHRM 83600 Biochem for Pharm Science II
(3) Humanities UCC Selective ¹
(14) Credit Hours

Semester 6

(4) CHM 37200 Physical Chemistry
(1) PHRM 20100 Pharmaceutical Sci. Orient. II
(2) PHRM 82900 Dosage Forms II
(3) Pharmacy Special Interest Selective ⁵
(4-5) Electives
(14-15) Credit Hours

Semester 7

(3) PHRM 46000 Drug Discovery & Development I
(3) Leadership Selective ⁵
(3) Pharmacy Special Interest Selective ⁵
(3) Science, Technology & Society UCC Selective ¹
(2) Electives
(14) Credit Hours

Semester 8

(3) MCMP 54400 Drug Classes/Mechanisms
(3) PHRM 46100 Drug Discovery & Development II
(2) PHRM 48500 Intercultural & Global Health Issues
(5) Electives
(14) Credit Hours

¹ Fulfills University Undergraduate Core Curriculum Requirement. Follow hyperlink or go to <https://www.purdue.edu/provost/students/s-initiatives/curriculum/courses.html> for course listings.

² Optional, but **strongly recommended** for both Pre-Doctor of Pharmacy and Pharmaceutical Sciences Students

³ Strongly recommend one of the following: COM 20400, 21000, 21700 or PHIL 11000, 11100, 11400, 12000, 15000, 24000, 27000, or any BSS Course or Follow hyperlink for list of classes meeting requirement.

⁴ Must have cumulative GPA of 2.5 or higher to enroll.

⁵ Follow hyperlink or review your mPP for Pharmacy Selective options

This plan of study represents one option for completing degree requirements. Please meet with a College of Pharmacy academic advisor to determine an individualized plan of study.