

B.S. in Pharmaceutical Sciences Curriculum

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

Semester 1

(5)	CHM 12901	Gen Chem w/ Bio focus ¹
(3)	MA 16010	Applied Calculus I ¹
(4)	BIOL 11000	Fundamentals Biology I ¹
(3)	EDPS 31500	Collaborative Leadership: Interp. Skills ¹
(1)	IPPH 10000	Pharmaceutical Sci. Orient. I ²
(16)		

Semester 3

(4)	MCMP 20500	Organic Chemistry II ³
(3)	BIOL 30100	Anatomy & Physiology I
(4)	PHYS 22000	General Physics I
(3)	STAT 30100	Elementary Statistical Methods ¹
(14)		

Semester 5

(3)	PHRM 82400	Patho-Phys/Drug Action
(3)	PHRM 82800	Dosage Forms I
(2)	PHRM 83600	Biochem for Pharm Sci II
(3)	Humanities UCC Selective¹	
(3)	Electives	
(14)		

Semester 7

(3)	PHRM 46000	Drug Discovery & Dev I
(3)	Science, Technology & Society UCC Selective¹	
(3)	Pharmacy Special Interest Selective⁴	
(6)	Electives	
(15)		

Semester 2

(4)	MCMP 20400	Organic Chemistry I ³
(3)	MA 16020	Applied Calculus II
(4)	BIOL 11100	Fundamentals Biology II
(4)	ENGL 10600	First Year Composition ¹
(15)		

Semester 4

(3)	MCMP 20800	Biochem for Pharm Sci ³
(3)	BIOL 30200	Anatomy & Physiology II
(4)	BIOL 22100	Intro to Microbiology
(3)	MCMP 42200	Immunology ³
(3)	AGEC 21700	Economics ¹
(16)		

Semester 6

(4)	CHM 37200	Physical Chemistry
(2)	PHRM 82900	Dosage Forms II
(1)	PHRM 20100	Pharmaceutical Sci. Orient. II ²
(3)	ENGL 42100	Technical Writing
(3)	Pharmacy Special Interest Selective⁴	
(3)	Electives	
(16)		

Semester 8

(3)	PHRM 46100	Drug Discovery & Dev II
(3)	MCMP 54400	Drug Classes/Mechanisms
(2)	PHRM 48500	Intercult. & Global Health Iss.
(6)	Electives	
(14)		

¹ Fullfills University Undergraduate Core Curriculum Requirement. See reverse for options/details.

² Optional, but **strongly recommended** for Pharmaceutical Sciences Students

³ Must have cumulative GPA of 2.5 or higher to enroll.

⁴ See reverse for Pharmacy Special Interest Selective options

This plan of study represents one option for completing degree requirements. Undergraduate Core Curriculum courses, Pharmacy Special Interest Selectives and general electives may be taken in any semester. Please meet with a College of Pharmacy academic advisor to determine the most appropriate plan of study.

Recommended Undergraduate Core Curriculum Courses

For a comprehensive list of approved UCC options see:

<http://www.purdue.edu/provost/students/s-initiatives/curriculum/coreCurriculum.html>

Undergraduate Core Curriculum (UCC) Requirements Fulfilled by BSPS Required Courses		
Selective Requirement	Course Number(s)	Course Title
Behavior/Social Science	AGEC 21700*	Economics
Information Literacy	STAT 30100	Elementary Statistical Methods
Oral Communication	COM 11400 or EDPS 31500*	Oral Communication UCC Selective
Quantitative Reasoning	MA 16010	Applied Calculus I
Science	BIOL 11000	Fundamentals Biology I
Science	CHM 12901	General Chemistry with Biological Focus
Written Communication	ENGL 10600*	English Composition Selective

*Alternative options available; See your Advisor.

Undergraduate Core Curriculum (UCC) Courses NOT Fulfilled by BSPS Required Courses**
Humanities
Science, Technology & Society

**Course credits will apply towards 120 credit hours requirement.

Recommended Pharmacy Special Interest Selective Options

Course descriptions are available via myPurdue

Pharmacy Special Interest Selectives***
Industrial and Physical Pharmacy: CHM 32100; IPPH 56200, 58000, 58300; PHRM 49500; STAT 51200, 51400; TLI 11100, 52200; EPICS; Co-Op
Medicinal Chemistry and Molecular Pharmacology: MCMP 57000; PHRM 49500; STAT 51200, 51400; EPICS; Co-Op
Pharmacy, General: PHAD 55600; PHRM 42500, 49500; EPICS
Business/Management: CSR 30900; IT 53500; EDPS 31600, 31700; ENTR 20000, 31000; MGMT 30400, 32300; OBHR 30000; TLI 11200, 21400, 23500, 31400, 31600, 33400, 52000
Sales: AGECE 33100; COM 31400, 31800; CSR 20900, 33100, 34400; TLI 34300
Law School: COM 31200, 31400, 31800, 32500; HIST 33300, 33400, 38200, 38300; MGMT 45500; PHIL 11100, 12000, 15000, 26000; POL 10100, 22200, 22300, 36000, 43500, 46100, 46200; SOC 324000, 34300, 35000, 37400, 41900 42000; THTR 13300
Medical School: ANTH 34000; HIST 30200; HORT 12100; HSCI 30500; HSCI 42000; PHYS 22100, 23400; PSY 12000; SOC 10000, 57100, 57200, 57300, 57400, 57600
*** Pre-requisites may apply – check for restrictions on myPurdue.
Additional options may be approved – please check with your academic advisor

Internships, Co-ops, research experience and volunteer work are strongly recommend as a compliment to the plan of study and to ensure that students are competitive for career or advanced educational opportunities. Please meet with an academic advisor in the College of Pharmacy to map your route to success.