

B.S. in Pharmaceutical Sciences Curriculum

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

Semester 1

- (4) **BIOL 11000** Fundamentals Biology I¹
 (5) **CHM 12901** Gen Chem w/ Bio focus¹
 (1) **IPPH 10000** Pharmaceutical Sci. Orient. I²
 (3) **MA 16010** Applied Calculus I¹
 (3) [Oral Communication UCC Selective¹](#)
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- (16)

Semester 3

- (3) **BIOL 30100** Anatomy & Physiology I
 (4) **MCMP 20500** Organic Chemistry II³
 (4) **BIOL 22100** Intro to Microbiology
 (3) **STAT 30100** Elementary Statistical Methods¹
 (1) **Electives**
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- (15)

Semester 5

- (3) **ENGL 42100** Technical Writing
 (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](#)
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- (14)

Semester 7

- (3) **PHRM 46000** Drug Discovery & Dev I
 (3) [Leadership Selective⁴](#)
 (3) [Pharmacy Special Interest Selective⁴](#)
 (3) [Science, Technology & Society UCC Selective¹](#)
 (2-3) **Electives**
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- (14-15)

Semester 2

- (4) **BIOL 11100** Fundamentals Biology II
 (3) **MA 16020** Applied Calculus II
 (4) **MCMP 20400** Organic Chemistry I³
 (3-4) [Written Communication UCC Selective¹](#)
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- (14-15)

Semester 4

- (3) **AGEC 21700** Economics¹
 (4) **PHYS 22000** General Physics I
 (3) **BIOL 30200** Anatomy & Physiology II
 (3) **MCMP 20800** Biochem for Pharm Sci³
 (3) **MCMP 42200** Immunology³
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- (16)

Semester 6

- (4) **CHM 37200** Physical Chemistry
 (1) **PHRM 20100** Pharmaceutical Sci. Orient. II
 (2) **PHRM 82900** Dosage Forms II
 (3) [Pharmacy Special Interest Selective⁴](#)
 (6) **Electives**
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- (16)

Semester 8

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

Undergraduate Core Curriculum Requirements

For a comprehensive list of approved UCC options, see:

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

Undergraduate Core Curriculum (UCC) Recommendation/Options	
UCC Requirement	Course Recommendation/Options
Human Cultures: Behavioral/Social Sciences (BSS)	AGEC 21700 Economics*
Human Cultures: Humanities (HUM)	Multiple Options – See Advisor/UCC Website
Information Literacy (IL)	STAT 30100 Elementary Statistical Methods*
Oral Communication (OR)	Multiple Options – See Advisor/UCC Website
Quantitative Reasoning (QR)	MA 16010 Applied Calculus I*
Science (SCI)	BIOL 11000 Fundamentals of Biology I*
Science (SCI)	CHM 12901 General Chemistry with a Biological Focus*
Science, Technology & Society (STS)	Multiple Options – See Advisor/UCC Website
Written Communication (WC)	Multiple Options – See Advisor/UCC Website

*Fulfills a program requirement in addition to a UCC requirement.

Recommended Pharmacy Special Interest & Leadership Selective Options

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, 42000; PHYS 22100, 23400; PSY 12000; SOC 10000, 57100, 57200, 57300, 57400, 57600

Leadership Selectives**
Leadership: AGECE 43500, COM 42300; CSR 30900; EDPS 30000, 31500, 31600, 31700; OBHR 66200; OLS 27400, 29900, 38400, 38600, 38800, 45600, 48400, 48500, 48600, 48700, 58000, 58200, 58900, TLI 11200, 15200, 21300, 25300, 35600, 45800

** Course descriptions are available via myPurdue. Pre-requisites may apply – check for restrictions on myPurdue.

Additional options may be approved – please check with your academic advisor

Pharmacy related student organizational involvement, internships, Co-ops, research experience, and volunteer work are strongly recommended as a complement 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.