

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
OR BIOL 20300 Anatomy & Physiology I
 (5) **CHM 12901** Gen. Chemistry with Biological Focus¹
 (3) **MA 16010** Applied Calculus I¹
 (1) **PHRM 10000** Intro to Pharmacy and Pharm Sci²
 (3) [Oral Communication UCC Selective¹](#)

 (16)

Semester 3

- (4) **BIOL 20300** Anatomy & Physiology I¹
OR BIOL 11000 Fundamentals Biology I¹
 (4) **BIOL 22100** Intro to Microbiology
OR PHYS 22000 General Physics I
 (4) **MCMP 20500** Organic Chemistry II³
 (3) **STAT 30100** Elementary Statistical Methods
 (1) **Elective** (PHRM 20000 recommended for Pre-pharmacy)

 (16)

Semester 5

- (3) [Professional Writing Selective⁴](#)
 (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](#)

 (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) **Electives**

 (14)

Semester 2

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

 (14-15)

Semester 4

- (3) **AGEC 21700** Economics¹
 (4) **BIOL 20400** Anatomy & Physiology II
OR BIOL 11100 Fundamentals Biology II
 (4) **PHYS 22000** General Physics I
OR BIOL 22100 Intro to Microbiology
 (3) **MCMP 20800** Biochemistry for Pharm Sciences³
 (3) **MCMP 42200** Immunology³

 (17)

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](#)
 (4-5) **Electives**

 (14-15)

Semester 8

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

 (14)

¹ Fulfills University Undergraduate Core Curriculum Requirement. Follow hyperlink or see reverse for options/details.

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

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

⁴ Follow hyperlink or see reverse for 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.