



SCHOOL OF PHARMACY
BACHELOR OF SCIENCE
IN PHARMACEUTICAL SCIENCES

- Prepares students for targeted industries requiring BS-level pharmaceutical sciences skills in pharmaceutical, biomedical, and other healthcare fields
- Trains students for diverse positions in industrial, academic, or other research environments within the areas of drug discovery, development, and commercialization

YEAR

1

FALL

BSC 120 - Principles of Biology I
BSC 120L - Principles of Biology I Lab
CHM 211 - Principles of Chemistry I
CHM 217 - Principles of Chemistry I Lab
ENG 101 - English Composition I
FYS 100 - First Year Seminar (Core I)
UNI 100 - Freshman First Class
Total Hours: **16 Hours**

SPRING

BSC 121 - Principles of Biology II
BSC 121L - Principles of Biology II Lab
CHM 212 - Principles of Chemistry II
CHM 218 - Principles of Chemistry II Lab
ENG 201 - Advanced Composition
STA 225 - Introductory Statistics
BSPS 201 - Careers in Pharm Sci
Total Hours: **17 Hours**

YEAR

2

FALL

CHM 355 - Organic Chemistry I
PHY 201 - General Physics I
PHY 202 - General Physics I Lab
BSC 227 - Human Anatomy
BSC 227L - Human Anatomy Lab
MTH 140 - Applied Calculus
BSPS 202 - Intro to Pharm Sci
Total Hours: **16 Hours**

SPRING

BSC 228 - Human Physiology
BSC 228L - Human Physiology Lab
CHM 356 - Organic Chemistry II
CHM 361 - Organic Chemistry Lab
BSC 302 - Principles of Microbiology
BSC 304 - Microbiology Lab
Total Hours: **15 Hours**

YEAR

3

FALL

BSPS 447 - Pharmaceutical Chemistry
_____ - Multicultural/International req.
_____ - Social Science req. (Core II)
_____ - Fine Arts req. (Core II)
_____ - Humanities req. (Writing Intensive, Core II)
Total Hours: **16 Hours**

SPRING

BSPS 303 - Drug Regulatory Affairs
BSPS 333 - Pharmacology
_____ - Free Elective (select an elective with critical thinking attribute)
_____ - BSPS Elective
_____ - BSPS Elective
Total Hours: **15 Hours**

YEAR

4

FALL

BSPS 442 - Seminar
_____ - BSPS Elective
_____ - Free Elective
_____ - Free Elective
_____ - Communication req. (Core II)
Total Hours: **13 Hours**

SPRING

BSPS 442 - Seminar (repeated for credit)
BSPS 444 - Princ. of Disease Drug Act
BSPS 471 - Capstone
_____ - BSPS Elective
Total Hours: **12 Hours**