



UNIVERSITY OF GEORGIA

College of Pharmacy

Pharmaceutical and Biomedical Sciences (B.S.)

Typical Program of Study – Pharmaceutical Sciences Area of Emphasis

The typical program of study is identical during the first two years for Pharmaceutical Sciences and Biomedical Sciences areas of emphasis. There are specific courses during the third and fourth years depending on the area of emphasis.

FIRST YEAR

Fall Semester

15 Total Credit Hours

- ENGL 1101 English Composition I (3)
- CHEM 1211-1211D General Chemistry I (3)
- CHEM 1211L General Chemistry I Lab (1)
- MATH 2250 Calculus I for Science and Engineering (4)
- FYOS 1001 First-Year Odyssey Seminar (1)
- Area IV or V Elective (3)

Spring Semester

14 Total Credit Hours

- ENGL 1102 English Composition II (3)
- COMM 1110 Introduction to Public Speaking or COMM 1500 Introduction to Interpersonal Communication (3)
- CHEM 1212-1212D General Chemistry II (3)
- CHEM 1212L General Chemistry II Lab (1)
- PHYS 1111-1111L or 1211-1211L Introductory Physics or Principles of Physics for Scientists and Engineers (4)

SECOND YEAR

Fall Semester

14 Total Credit Hours

- BIOL 1107 Principles of Biology I (3)
- BIOL 1107L Principles of Biology I Lab (1)
- CHEM 2211 Modern Organic Chemistry I (3)
- CHEM 2211L Modern Organic Chemistry I Lab (1)
- PMCY 2020 Pills, Potions and Drugs in Modern Medicine (3)
- Area IV or V Elective (3)

Spring Semester

17 Total Credit Hours

- BIOS 2010 Elementary Biostatistics or STAT 2000 Introductory Statistics (4)
- CHEM 2212 Modern Organic Chemistry I (3)
- CHEM 2212L Modern Organic Chemistry II Lab (1)
- Area IV or V Elective (3)
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For more information, contact the PBS program academic advisor at rxadvising@uga.edu.
[Click here to visit our website.](#)

Area of Emphasis: Pharmaceutical Sciences

The third and fourth years in the B.S. program require students to declare an area of emphasis. The following is the typical program of study for the third and fourth years with an emphasis on Pharmaceutical Sciences.

THIRD YEAR

Fall Semester

14 Total Credit Hours

- **BCMB 3100** Introductory Biochemistry and Molecular Biology (4)
- **PMCY 3200** Introduction to Pharmaceutical Sciences (3)
- **PMCY 4020/6020** Human Physiology (3)
- General Elective (3)
- Physical Education (1)

Spring Semester

17 Total Credit Hours

- **PMCY 3300L** Pharmaceutical Techniques (1)
- **PMCY 3500** Pharmaceutical Analysis (3)
- **PMCY 4300/6300** Medicinal Chemistry (3)
- **PMCY 4800/6800** Human Pharmacology (3)
- Major Elective (4)
- Area IV or V Elective (3)

FOURTH YEAR

Fall Semester

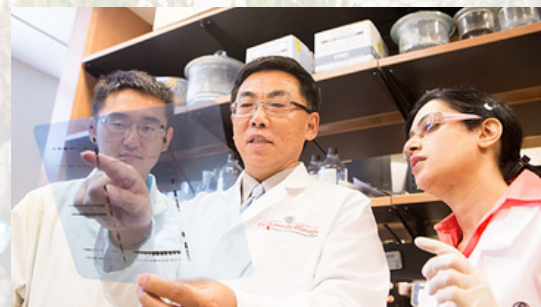
14 Total Credit Hours

- **PMCY 4200/6200** Pharmacokinetics and Pharmacodynamics (3)
- **PMCY 4500/6500** Pharmaceutical Drug Development (3)
- **PMCY 4510L/6510L** Pharmaceutical Drug Development Lab (2)
- **PMCY 4950 or PMCY 4960 or PMCY 4970** Pharmaceutical Sciences Internship or Research (2)
- Major Elective (4)

Spring Semester

16 Total Credit Hours

- **ENGL 3590W** Technical and Professional Communication (3) or **BIOL 4200W** Science and Health Writing (3) or **BIOL 4300W/6300W** Scientific Research Writing (3)
- **PMCY 4510/6510** Advanced Drug Delivery Systems (3)
- **PMCY 4510L/6510L** Advanced Drug Delivery Systems Lab (2)
- **PMCY 4600/6600** Biological Therapeutics (3)
- **PMCY 4950 or PMCY 4960 or PMCY 4970** Pharmaceutical Sciences Internship or Research (2)
- Major Elective (3)



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