



UNIVERSITY OF GEORGIA

College of Pharmacy

Pharmaceutical and Biomedical Sciences (B.S.)

Typical Program of Study – Biomedical 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)
- Area IV or V Elective (3)
- Area IV or V Elective (3)

For more information, contact the PBS program academic advisor at rxadvising@uga.edu.
[Click here to visit our website.](#)

Area of Emphasis: Biomedical 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 Biomedical Sciences.

THIRD YEAR

Fall Semester

14 Total Credit Hours

- **BCMB 3100** Introductory Biochemistry and Molecular Biology (4)
- **PMCY 4020/6020** Human Physiology (3)
- **PMCY 4050/6050** Human Anatomy (3)
- General Elective (3)
- Physical Education (1)

Spring Semester

17 Total Credit Hours

- **GENE 3200-3200D** Genetics (4)
- **MIBO 3000-3000L** Introductory Applied Microbiology or **MIBO 3500** Introductory Microbiology (3-4)
- **PMCY 4800/6800** Human Pharmacology (3)
- Major Elective (3)
- Area IV or V Elective (3)

FOURTH YEAR

Fall Semester

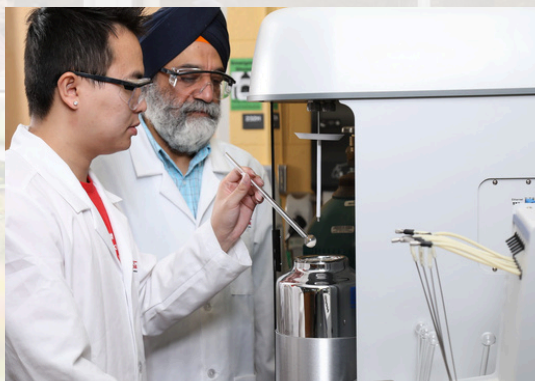
16 Total Credit Hours

- **CBIO 3400** Cell Biology (4)
- **PMCY 4110/6110** Human Immunology (3)
- **PMCY 4150/6150** Human Pathophysiology (3)
- Major Elective (3)
- General Elective (3)

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 4250/6250** Biomedical Data Literacy (3)
- **PMCY 4600/5600** Biological Therapeutics (3)
- Major Elective (3)
- Major Elective (3)



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