**B.S. Pharmaceutical Sciences**

**Program Description**
The B.S. in Pharmaceutical Sciences is a 4-year undergraduate degree program designed to provide an education in drug development, drug discovery and laboratory-centered research.

**Admissions Requirements**
Students must first be admitted by the Office of Undergraduate Admissions. Students in the Intended Pharmaceutical Sciences major must complete 60 credit hours of required courses, have a 2.5 cumulative GPA and complete all CHEM, BIOL, PHYS, ENGL and MATH courses with a grade of C or higher before they can be admitted into the major.

**Degree Requirements**
Students admitted to the Pharmaceutical Sciences major must complete 60 credit hours of major requirements and complete all PMCY courses with a grade of C or higher. Students must also complete all other undergraduate degree requirements as mandated by the University.

**Notable Educational Experiences**
Students in the Pharmaceutical Sciences program will learn Good Manufacturing Practices in a state-of-the-art laboratory. Students will also complete hands-on research directed by faculty members.

**Career Opportunities**
Graduates from the Pharmaceutical Sciences program will be well prepared to fill critical roles in the pharmaceutical industry. These roles can be in pharmaceutical production, research laboratories, medical device development, biotechnology and drug development and discovery.

**Doctor of Pharmacy (PharmD)**

**Program Description**
The Doctor of Pharmacy is a 4-year professional degree program that requires 69 hours of prerequisite courses (may take 3 years depending upon AP credits). It is designed to provide an education to those individuals who wish to become a pharmacist.

**Admissions Requirements**
The Doctor of Pharmacy program requires completion of 69 credits of pre-pharmacy coursework at an accredited institution, completion of the PCAT, an admissions application submitted through PharmCAS, and an online application submitted to the College of Pharmacy. Selected applicants are also required to participate in an admissions interview. Applicant pool size determines the competitiveness of admission to the program.

**Degree Requirements**
Students admitted to the Doctor of Pharmacy program must complete 148 credits of required coursework. Students must also become licensed Pharmacy Interns by the Georgia Board of Pharmacy.

**Notable Educational Experiences**
Students will work in specially designed spaces that simulate environments and experiences found in pharmacies. In their 4th year, students will have the opportunity to take part in rotations in retail, hospital and community-based pharmacies throughout the State of Georgia.

**Career Opportunities**
Graduates from the program will be eligible to become pharmacists. Pharmacists play a crucial role in the healthcare industry by dispensing medicines, administering vaccines, providing information to patients, and managing complex medication regimens.

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**Excellent Gateway for Applying To...**

**Professional Schools** – Medical, Pharmacy, Dental, Veterinary, Physician Assistant

**Graduate Studies** – MS, PhD Pharmaceutical Sciences, Regulatory and Clinical Programs

Advisor II, BS Program  
Leslie Standridge | (706) 542-5343 | bsp@uga.edu
REQUIRED ENGLISH COURSES
ENGL 1101  English Composition I  1st yr Fall
ENGL 1102  English Composition II  1st yr Spring

REQUIRED COMMUNICATION COURSE
COMM 1100  Public Speaking

REQUIRED MATH COURSES
STAT 2000 or BIOS 2010  Statistics or Biostatistics  1st or 2nd yr
MATH 2250  Calculus I  1st or 2nd yr
MATH 2260  Calculus II  1st or 2nd yr or 3rd yr Fall

REQUIRED CHEMISTRY COURSES
CHEM 1211/1211L  Freshman Chemistry I  1st yr Fall
CHEM 1212/1212L  Freshman Chemistry II  1st yr Spring
CHEM 2211/2211L  Organic Chemistry I  2nd yr Fall
CHEM 2212/2212L  Organic Chemistry II  2nd yr Spring

REQUIRED PHYSICS COURSE
PHYS 1211/1211L  Physics for Scientists  before 4th yr

REQUIRED BIOLOGY COURSE
BIOL 1107/1107L  Biology I  1st or 2nd yr

REQUIRED MAJOR COURSES
BCMB 3100  Biochemistry & Molecular Biology  3rd yr Fall
BCMB 3600  Genomics & Bioinformatics  3rd or 4th yr
ENGL 3590W  Professional Communication  3rd or 4th yr
PMCY 3000  Human Physiology  3rd yr Fall
PMCY 3200  Intro to the Pharmaceutical Sciences  3rd yr Spring
PMCY 3300L  Pharmaceutical Techniques  3rd yr Spring
PMCY 3500  Pharmaceutical Analysis  3rd yr Spring
PMCY 3800  Introduction to Pharmacology  3rd yr Spring
PMCY 4200  Pharmaceutical Sciences II  4th yr Fall
PMCY 4300  Medicinal Chemistry  3rd or 4th yr
PMCY 4500/4500L  Drug Development I  4th yr Fall
PMCY 4510/4510L  Drug Development II  4th yr Spring
PMCY 4960  Pharmaceutical Sciences Research I  4th yr Fall
PMCY 4970  Pharmaceutical Sciences Research II  4th yr Spring

Three elective courses from: BCMB 4030, BCMB 4200, CBIO 3010, CBIO 3710, CHEM 4113, CHEM 4120, EPID 2010, MIBO 3500

SYSTEM REQUIREMENTS REMAINING
PEDB
FYOS Seminar
US and GA History  e.g. HIST 2111 or 2112
Federal and Georgia Constitution  e.g. POLS 1101
Cultural Diversity

REQUIRED ENGLISH COURSES
ENGL 1101  English Composition I
ENGL 1102  English Composition II

REQUIRED COMMUNICATION COURSE
COMM 1100 or 1500  Public or Interpersonal Communication

REQUIRED MATH COURSES
MATH 2200 or 2250  Calculus I
STAT 2000  Statistics

REQUIRED CHEMISTRY COURSES
CHEM 1211/1211L  Freshman Chemistry I
CHEM 1212/1212L  Freshman Chemistry II
CHEM 2211/2211L  Organic Chemistry I
CHEM 2212/2212L  Organic Chemistry II

REQUIRED PHYSICS COURSE
None

REQUIRED BIOLOGY COURSE
BIOL 1107/1107L  Biology I
BIOL 1108/1108L  Biology II

OTHER REQUIREMENTS
BCMB 3100 or 4010  Biochemistry & Molecular Biology
MIBO 2500 or 3000 or 3500  Microbiology
CBIO* 3010  Anatomy
VPHY* 3100 or PMCY* 3000 or CBIO* 3710  Physiology
ECON 2105 or 2106  Macroeconomics or Microeconomics

*The sequence CBIO 2200 and CBIO 2210 can substitute for CBIO and VPHY or PMCY

Two Social Science courses from: ANTH, HIST, INTL, PHIL, POLS, PSYC, SOCI, WMST

Three World Languages & Culture courses from: AFAM, AFST, AMHA, ARAB, ARHI, BENG, CHNS, CLAS, CMLT, FREN, GEOG, GREK, GRMN, HEBR, HIST, IND0, ITAL, JPNS, KREN, LACS, LAND, LATN, LING, MAND, NAMS, PASH, PERS, PORT, QUEC, RELI, ROML, RUSS, SCAN, SEMI, SLAV, SPAN, SWAH, TURK, URDU, VIET, YORB

SYSTEM REQUIREMENTS REMAINING
Not Applicable