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 2+ 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.

Excellent Gateway for Applying to…
Professional Schools – Medical, Pharmacy, Dental, Veterinary, Physician Assistant
Graduate Studies – MS, PhD Pharmaceutical Sciences, Regulatory and Clinical Programs

BS Program Academic Advisor, Leslie Standridge  |  (706) 542-9755  |  bsps@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 110 or 1500: Public or Interpersonal Communication

**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 and Engineers  
  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
- ENGL 3590W: Professional Communication  
  3rd or 4th yr
- PMCY 3000: Human Physiology  
  3rd yr Fall
- PMCY 3200: Intro to Pharmaceutical Sciences  
  3rd yr Fall
- PMCY 3300L: Pharmaceutical Techniques  
  3rd yr Spring
- PMCY 3500: Pharmaceutical Analysis  
  3rd yr Spring
- PMCY 3800: Introduction to Pharmacology  
  3rd yr Spring
- PMCY 4200: Pharm'kinetics and Pharm'dynamics  
  4th yr Fall
- PMCY 4300: Medicinal Chemistry  
  3rd or 4th yr
- PMCY 4500/4500L: Pharmaceutical Drug Develop  
  4th yr Fall
- PMCY 4510/4510L: Advanced Drug Delivery Systems  
  4th yr Fall
- PMCY 4600: Biological Therapeutics  
  4th yr Spring
- PMCY 4960: Pharmaceutical Sciences Research I  
  4th yr Fall
- PMCY 4970: Pharmaceutical Sciences Research II  
  4th yr Spring

Three major elective courses from: BIO, BCMB, CBIO, CHEM, EPID, PMCY, STAT

**UNIVERSITY GRADUATION REQUIREMENTS**
- FYOS Seminar
- US and GA History  
  e.g. HIST 2111 or 2112
- Federal and Georgia Constitution  
  e.g. POLS 1101
- Cultural Diversity
- PMCY 2020 Pills, Potions and Drugs in Modern Medicine
- Physical Education Requirement

**REQUIRED ENGLISH COURSES**
- ENGL 1101: English Composition I
- ENGL 1102: English Composition II

**REQUIRED COMMUNICATION COURSE**
- COMM 110 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* 3000 or 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, INDO, 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, ZULU

**UNIVERSITY GRADUATION REQUIREMENTS**
- Not Applicable

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PharmD Admissions Counselor
Erik Dennison | (706) 542-5278 | PharmDadmissions@uga.edu

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