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.

Excellent Gateway for Applying To...

Professional Schools – Medical, Pharmacy, Dental, Veterinary, Physician Assistant
Graduate Studies – MS, PhD Pharmaceutical Sciences, Regulatory and Clinical Programs

Director, BS Program
Dr. Michael Bartlett | (706) 542-5390 | mgbart@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
- 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: BIOL 1108/1108L, BIOS 3000, CBIO 3400, CHEM 3110, ENGG 4615, GENE 3200, MIBO 3500, PHRM 4000, PHRM 4750, PHRM 5050, PHRM 5530, PHRM 5540, PHYS 1212/L, STAT 4210, STAT 4220, STAT 4230

## 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

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## 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 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
- None

## 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
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**PharmD Admissions Counselor**
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