

# PATHWAYS | CHEMISTRY

Bachelor of Science in Chemistry



COLLEGE OF  
SCIENCES &  
MATHEMATICS

## COURSE SELECTION

### FRESHMAN

- In CHEM 1110 and 1120 you will learn the general principles and fundamental concepts of chemistry.
- Gateway Courses- CHEM 1110/1111 General Chem I lecture/lab. CHEM 1120/1121 General Chem II lecture/lab.

### SOPHOMORE

- Develop your organic and analytical chemistry knowledge and improve your laboratory skills.
- Gateway Courses- CHEM 2070/2071 Organic Chem I Lecture/lab. CHEM 2080/2081 Organic Chem II Lecture/lab.

### JUNIOR

- Study applications to in depth chemical questions through more diverse chemistry courses.
- Gateway courses: CHEM 4070/4080.

### SENIOR

- Finish courses in your plan of study with Inorganic Chemistry, Computational Chemistry, and Instrumental Analysis.

## ASK FOR ASSISTANCE

- Students are assigned a faculty advisor to develop a curriculum plan, and you are required to meet with your advisor prior to registration each semester.
- Obtain guidance from your advisor about undergraduate research opportunities.



Sciences Center Classroom Building,  
home of COSAM student advising.

- Academic Support provides several *free* resources to improve performance including Study Partners, Supplemental Instruction and academic coaching ([auburn.edu/academicsupport](http://auburn.edu/academicsupport))

- Consult your advisor about career goals. Begin the application process to graduate school or prehealth professions.
- Ask the Career Center for help in preparing your resume (CV), interviewing skills and statement of intent.

- Have a graduate check by advisors in COSAM (Fall semester).
- Brush up your resume by visiting the career center.

## GAIN EXPERIENCE

- Use LinkedIn ([linkedin.com/alumni](http://linkedin.com/alumni)) to identify past graduates in your major.
- Contact them to set up informational interviews and shadowing opportunities to gain further understanding of your major in the world of work.



- Network with faculty in informal settings and connect with successful professionals in the field of chemistry by joining the Auburn Chemistry Society or the National Organization for the Professional Advancement of Black Chemists and Chemical Engineers (NOBCChE).

- Look for undergraduate research opportunities based on your scientific interests. Contact faculty members performing research in a relevant field of interest to discuss various research opportunities.

- Attend weekly departmental colloquium seminars.

- Continue to shadow, conduct research, participate in extracurricular activities and community service

## GET INVOLVED

- Join the Auburn University Department of Chemistry & Biochemistry Facebook page for information on activities taking place in the department.
- Seek opportunities to join freshman leadership programs and student organizations related to your individual interests.

- Find opportunities for volunteering through the COSAM outreach program.
- Apply for summer internships and fellowships in scientific areas of interest.

- Pursue officer positions in your organizations to enhance your leadership skills.
- Become a tutor, Supplemental Instructor (SI), or Undergraduate Teaching Assistant (UTA).

- Give back to the community. Find out ways to share your experience and knowledge through volunteering.

## CAREER PLANNING

### AUBURN UNIVERSITY CAREER CENTER

303 MARY MARTIN HALL | [AUBURN.EDU/CAREER](http://auburn.edu/career)

This program provides for significant exposure in math, physics, and chemistry coursework. The program is a strong option for students interested in research roles and other related opportunities. Competitive candidates will want to have strong academic standing and significant research experience.

#### GOVERNMENT SCIENTIST

MINIMUM EDUCATION: B.S./B.A./M.S./PH.D.

ENTRY LEVEL SALARY RANGE: \$35.9K - \$54.5K

#### SCIENTIFIC PRINCIPAL INVESTIGATOR

MINIMUM EDUCATION: PH.D.

ENTRY LEVEL SALARY RANGE: \$67.8K - \$100.5K

#### PHARMACIST

MINIMUM EDUCATION: PHARM.D.

ENTRY LEVEL SALARY RANGE: \$79.4K - \$120.9K

These are just three options out of many that chemistry majors pursue. For more career options be sure to check out "What Can I Do With a Major In..." on [auburn.edu/career](http://auburn.edu/career).



Mary Martin Hall, home of the Auburn University Career Center

Updated: October 3, 2016