PATHWAYS | Chemistry - Pre-Med/Pre-Dent

Bachelor of Science in Chemistry

**COURSE SELECTION**

- In CHEM 1110 and 1120 you will learn the general principles and fundamental concepts of chemistry.
- **Gateway Courses** - SCHM 1890, Pre-Health Orientation.
- Develop your organic and analytical chemistry knowledge and improve your laboratory skills.
- Study applications to in depth chemical questions via physical chemistry, biochemistry and chemical literature.
- Gateway courses: CHEM 3160.
- BCHE 5190/5191, biochemistry II. Expand your chemical repertoire by taking a chemistry elective.

**FRESHMAN**

**Sophomore**

**Junior**

**Senior**

**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.
- Academic Support provides several free resources to improve performance including Study Partners, Supplemental Instruction and academic coaching (auburn.edu/academicsupport).
- Meet with the pre-health director if applying to professional school or with faculty members for graduate program applications.
- Look for notices regarding the start of the PPAC process if pursuing professional education.
- Have a graduate check by advisors in COSAM (Fall semester).
- Ask the Career Center for help in preparing your resume (CV), interviewing skills and statement of intent.
- Identify your reference letter writers early and provide at least two weeks for writing your letters.

**GAIN EXPERIENCE**

- Shadow healthcare professionals and scientists involved in biomedical research.
- Volunteer at private and public clinics or seek part-time employment in the biomedical field.
- 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.
- Take online practice tests (DAT, MCAT, GRE) and the actual test about a year before applying for professional or graduate school programs.
- Continue undergraduate research (auburn.edu/undgress).
- Use PPAC if applying to dental, medical or optometry school programs.
- 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.
- Join student chapters of professional organizations related to your area of interest to maintain knowledge of your desired field including Alpha Epsilon Delta (AED) if pursuing a health professions career.
- 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

This program prepares students for advanced education in chemistry and/or professional medical areas. Students will study chemical processes, organic and inorganic, physical, biochemical, and analytical chemistry. Competitive candidates will have strong GPAs and significant outside of the classroom experience.

**Biological Technician**

**Minimum Education:** B.S.

**Entry Level Salary Range:** $22.8K - $36.6K

**Industry Research Scientist**

**Minimum Education:** M.S./Ph.D.

**Entry Level Salary Range:** $35.9K - $54.5K

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.

**Dentist**

**Minimum Education:** D.D.S./D.M.D./D.M.D.

**Entry Level Salary Range:** $62.9K - $166.5K

College of Sciences & Mathematics | 239 Sciences Center Classroom | 334.844.4269 | auburn.edu/cosam