

PATHWAYS | CHEMICAL ENGINEERING

Bachelor of Chemical Engineering



SAMUEL GINN COLLEGE OF
ENGINEERING

COURSE SELECTION

FRESHMAN

- Gateway Courses: MATH 1610/1620, CHEM 1110/1120, PHYS 1600, ENGR 1110/1100

SOPHOMORE

- Gateway Courses: CHEN 2100/2610/2AA0, ENGR 2010, MATH 2630/2650, MATLAB
- Consider a minor and/or specialization.

JUNIOR

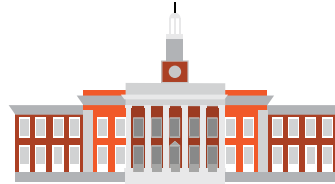
- Courses: CHEN 3600/3620/3370/3AA0/3650/3660/3700/3820.
- Begin taking courses for specialization and/or minor.

SENIOR

- Have your credit check done the semester before graduation.
- Courses: CHEN 4170/4450/4460/4860/4470.
- Complete courses for specialization and/or minor.

ASK FOR ASSISTANCE

- Meet with Academic Advisors every semester before registration.
- Pre-Med Students also meet with Pre-Health Advisors in COSAM
- Get help from Tutors, as needed: Engineering Student Services, Omega Chi Epsilon, Study Partners
- Attend SI Sessions if available.
- Inquire about Study Abroad.



Ross Hall, home of Chemical Engineering student advising.

- Form study groups with classmates. Get help from Tutors, as needed.
- Visit Engineering Career Counselor.
- Meet with career services for resume help, mock interviews.
- Update resume after co-op, internship experiences.
- Pre-Med students should study for and take MCAT.
- Work with Career Center to update resume and cover letter, participate in mock interviews.
- Attend Senior Etiquette Dinner.
- Pre-Med students should prepare PPAC materials with Pre-Health Advisor.

GAIN EXPERIENCE

- Talk to professors about specific areas of interest.
- Volunteer with American Institute of Chemical Engineers (AIChE) and other engineering organizations
- Gain experience with the CHEN Car Team
- Interview for Co-Op opportunities or internships. Begin Co-Op or Summer Internship.
- Use Tiger Recruiting Link (TRL) to explore employers actively hiring in your field and search part-time jobs that can add experience to your resume (jobs.auburn.edu).

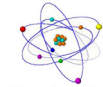


TIGER RECRUITING LINK
jobs.auburn.edu

- Continue Co-Op, Internships.
- Attend the STEM Career Expo, All Majors Career Fair and/or the Graduate and Professional School Fair.
- Explore undergraduate research (auburn.edu/undgres).
- Continue ongoing research or look for opportunities to begin if needed
- Go on plant visits to organizations of interest.
- Attend the STEM Career Expo, All Majors Career Fair and/or the Graduate and Professional School Fair.

GET INVOLVED

- Join AIChE, Technical Association of the Pulp and Paper Industry (TAPPI), and Alpha Epsilon Delta (AED) to learn more about major, meet other students in major and meet professionals.



AIChE

American Institute of Chemical Engineers

- Check out other Engineering organizations (eng.auburn.edu/current-students)
- Be an officer or committee member in the organizations that you have joined.
- Join the Car Team or other engineering focus groups.
- Utilize AU Involve to identify organizations of interest to attend meetings and enhance your resume.
- Stay involved in campus and professional organizations.
- Network with professionals through industry organizations.
- Attend AIChE Conferences and submit proposals to be a presenter.

CAREER PLANNING

AUBURN UNIVERSITY CAREER CENTER

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

Chemical Engineers are trained to use chemistry, physics, biology and engineering principles to solve real-world problems, whether they involve energy, medicine, nanotechnology or sustainability. It is an academically rigorous program and competitive entry into the field will require a strong GPA coupled with experience. Seek these opportunities often.

REFINING CHEMICAL ENGINEER
MINIMUM EDUCATION: B.Ch.E.

ENTRY LEVEL SALARY RANGE: \$77.0K - \$90.0K

PROCESS ENGINEER
MINIMUM EDUCATION: B.Ch.E.

ENTRY LEVEL SALARY RANGE: \$52.9K - \$70.8K

PETROLEUM ENGINEER
MINIMUM EDUCATION: B.Ch.E.

ENTRY LEVEL SALARY RANGE: \$61.5K - \$99.6K

These are just three options out of many that chemical engineering majors pursue. For more career options be sure to check out "What Can I Do With a Major In..." on auburn.edu/career.



Mary Martin Hall, home of the Auburn University Career Center

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