

PATHWAYS | MECHANICAL ENGINEERING

Bachelor of Mechanical Engineering



SAMUEL GINN COLLEGE OF ENGINEERING

COURSE SELECTION

FRESHMAN

- Familiarize yourself with engineering requirements & various majors.
- Pre-engineering required: MATH 1610/1620, CHEM 1030/1031, PHYS 1600, COMP 1200 (MATLAB), ENGR 1100/1110

SOPHOMORE

- Maintain a good GPA, seek academic support early and often.
- Once in major, attend ME orientation/advising in Wiggins Hall
- Gateway courses: MECH 2110, ENGR 2010 (C grade or better) | MATH 2630/2650, MECH 2220
- Consider adding a minor. (bulletin. auburn.edu/undergraduate/minors)

JUNIOR

- Gateway courses: MECH 3020, 3030, 3040, & 3140
- Work with departmental advisors to select 3 Technical electives for plan of study.

SENIOR

- Complete Technical Electives.
- Register for Comprehensive Design I and II in consecutive semesters.
- Schedule Graduation Credit Check with ESS advisor one semester prior to graduation.
- Register for UNIV 4AAO EN1 for your final semester.

ASK FOR ASSISTANCE

- Meet with your assigned ESS academic advisor each semester to discuss class schedule and academic plan.
- Check out free ESS tutoring to get off to a strong start.



Shelby Center, home of Engineering Student Services: 1210 Shelby

- Academic Support provides several *free* resources to improve performance including Study Partners, Supplemental Instruction and academic coaching. (auburn.edu/academicsupport)
- Visit Engineering Career Connections & the AU Career Center to help build a resume, find out about internships and on-campus recruiting activities.
- Free group tutoring offered weekly for junior year gateway courses.
- Work with staff in Engineering Career Connections and/or AU Career Center to explore company options, receive individualized assistance and update your resume and cover letter.
- Update resume and cover letter. Continue developing interview skills. (see Career Center for mock interviews)
- Meet with Graduate Advisors in your department to learn about graduate school opportunities.

GAIN EXPERIENCE

- Explore CO-OP opportunities (CO-OP orientation is 1st 3 weeks each semester)
- Attend Internship & Part-Time Job Fair in Fall/Spring. (auburn.edu/career)
- Intern and/or participate in CO-OP to add valuable work experience to your resume.
- You may pursue internships in any engineering field.
- Explore options for Study Abroad. (auburn.edu/studyabroad)
- Explore undergraduate research (auburn.edu/undgres).
- Attend the STEM Career Expo
- Consider graduate school.
- Get involved with undergraduate research projects with engineering professors.
- Attend the STEM Career Expo, All Majors Career Fair and/or the Graduate and Professional School Fair.
- Seek job opportunities and send out resumes.

GET INVOLVED

- Utilize AUIvolve (auburn.edu/ainvolve) to identify organizations of interest to attend meetings and enhance your resume



- Check out Engineering opportunities like the American Society of Mechanical Engineers (ASME), Society of Women Engineers (SWE), War Eagle Motorsports (eng.auburn.edu/current-students)



- Join an organization & attend meetings to develop your interests, build social connections, and enhance your resume
- Pursue leadership roles in Engineering and University-wide organizations to gain experience and enhance your resume.
- Become involved with departmental alumni as a resource for job opportunities, internships and post-graduate work.

CAREER PLANNING

AUBURN UNIVERSITY CAREER CENTER

303 MARY MARTIN HALL | AUBURN.EDU/CAREER

Mechanical Engineers work in a variety of industries like power, textile, computer, electronics, automotive, and others. They're concerned with design, manufacturing, testing, marketing, and maintenance. Competitive entry into the field will require candidates to have a strong GPA and relatable experience. Seek out experiential opportunities early.

INDUSTRIALIZATION ENGINEER
MINIMUM EDUCATION: B.M.E.

ENTRY LEVEL SALARY RANGE: \$49.2K - \$65.0K

M.E. OPERATIONS & MAINTENANCE
MINIMUM EDUCATION: B.M.E.

ENTRY LEVEL SALARY RANGE: \$55.0K - \$90.3K

QUALITY CONTROL ENGINEER
MINIMUM EDUCATION: B.M.E.

ENTRY LEVEL SALARY RANGE: \$59.5K - \$75.0K

These are just three options out of many that mechanical 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

Updated: May 26, 2016