

PATHWAYS | CIVIL ENGINEERING

Bachelor of Civil Engineering



SAMUEL GINN COLLEGE OF ENGINEERING

COURSE SELECTION

FRESHMAN

- Familiarize yourself with general engineering curriculum requirements and those particular to civil engineering.
- Key courses: MATH 1610, PHYS 1600, COMP 1200, MATH 1620, PHYS 1610, ENGR 1110

SOPHOMORE

- Maintain a GPA above 2.5, seek academic support early and often.
- Key courses: MATH 2630, CHEM 1030/1031, CIVL 2010, ENGR 2050, MATH 2650, CHEM 1040, ENGR 2070, ENGR 2200, ENGR 2350

JUNIOR

- Key courses: CIVL 3010, CIVL 3610, CIVL 3110, CIVL 3310, CIVL 3410, CIVL 3230, CIVL 3510, CIVL 3820

SENIOR

- Select and take appropriate Specialty Electives, Technical Electives, and Senior Design Project course for your chosen specialization

ASK FOR ASSISTANCE

- Meet with your Engineering Student Services academic advisor each semester to develop your academic plan and course schedule
- Check out free tutoring, study partners and academic coaching



Shelby Center, home of the College of Engineering student advising.

- Continue to take advantage of free academic support.
- Visit Engineering Career Connection to develop resume, explore internships and on-campus recruiting
- Meet with your CE departmental advisor to discuss areas of specialization and the best course scheduling plan.
- Attend FE Exam orientation session to learn how to prepare for licensure
- Continue to meet with your departmental advisor to gauge your progress and modify your plan if needed
- Visit Engineering Career Connection or AU Career Center to explore employment opportunities and receive individualized assistance with your resume and cover letter.
- Continue to meet with your departmental advisor to gauge your progress and modify your plan if needed
- Continue to meet with Career Connection or AU Career Center

GAIN EXPERIENCE

- Attend Co-Op and Study Abroad information sessions
- Attend Internship and Part-Time Fair
- Activate your Tiger Recruiting Link (TRL) account and look for part-time postings in Harbert Engineering Center
- Consider study abroad opportunities

- If you Co-Op, begin in Spring or Fall semester.
- Look for a summer internship if you don't Co-Op.
- Start developing a LinkedIn profile to increase your visibility to potential employers

- Ask professors about undergraduate research opportunities and visit the Office of Undergraduate Research to explore funding
- Attend on-campus seminars by engineering professionals
- Start attending the STEM Career Expo and departmental Career Fairs
- Start attending the Graduate and Professional School Fair

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- Attend graduate and professional school recruiting events

GET INVOLVED

- Investigate and join engineering student organizations that interest you like Engineers Without Borders (EWB) and Society of Women Engineering (SWE)



- Join the American Society of Civil Engineers (ASCE) student chapter and participate in activities/competitions



- Utilize AUInvolve (auburn.edu/auinvolve) to identify organizations of interest to attend meetings and enhance your resume
- Remain active in student organizations
- Look for campus and community service opportunities
- Pursue leadership roles within your organizations to develop your leadership abilities
- Attend regional/national conferences for professional/student organizations
- Become team leaders and project managers.
- 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

Civil engineers conceive, plan, design, construct, operate, and maintain sustainable facilities and systems that serve basic societal needs: buildings, bridges, transportation systems, water and wastewater collection/treatment/distribution systems, pipelines, dams, power plants and transmission lines. The job market is inherently stable.

CONSTRUCTION ENGINEER

MINIMUM EDUCATION: B.C.E.

ENTRY LEVEL SALARY RANGE: \$55K - \$60K

STRUCTURAL DESIGN ASSOCIATE

MINIMUM EDUCATION: B.C.E./M.S.

ENTRY LEVEL SALARY RANGE: \$60K - \$70K

GOVERNMENT CIVIL ENGINEER - GSTI

MINIMUM EDUCATION: B.C.E./M.S.

ENTRY LEVEL SALARY RANGE: \$58K - \$76K

These are just three options out of many that civil 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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