

PATHWAYS | COMPUTER ENGINEERING

Bachelor of Computer Engineering



SAMUEL GINN COLLEGE OF
ENGINEERING

COURSE SELECTION

FRESHMAN

- Familiarize yourself with engineering requirements and explore interest areas
- Gateway courses: MATH1610/1620, PHYS 1600/1610, ENGR 1110/1100, COMP 1210 Java

SOPHOMORE

- Maintain a good GPA, seek academic support early and often.
- Discuss course plan with your departmental advisor and have PIN reset.
- Gateway courses: ELEC 2210, ELEC 2220 and COMP 2710

JUNIOR

- Discuss course plan and appropriate electives with your departmental advisor; have PIN reset.
- Gateway courses: ELEC 3050 and ELEC 4200

SENIOR

- Begin to synthesize materials and skills to complete senior design project
- Meet with your departmental advisor to register for classes and have your PIN reset.
- Schedule a graduation check with an academic advisor in Engineering Student Services the semester before you graduate

ASK FOR ASSISTANCE

- Meet with your pre-engineering academic advisor each semester to discuss class schedule, academic plan and have your PIN reset.
- Check out free ESS tutoring to get off to a strong start. (eng.auburn.edu/current-students)
- Academic Support provides several free resources to improve performance including Study Partners, Supplemental Instruction and academic coaching. (auburn.edu/academicsupport)



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

- Continue to take advantage of academic support services across campus.
- Meet with someone in Engineering Career Connections and/or AU Career Center to explore company options, receive individualized assistance and update your resume and cover letter.
- Use Departmental in major tutoring program as needed
- Continue to receive career guidance and preparation from the AU Career Center and Engineering Career Connection.
- Meet with Graduate Advisors in your department to learn about graduate opportunities

GAIN EXPERIENCE

- Attend CO-OP orientation
- Attend Internship and Part Time Fair-Fall and/or Spring semester
- Visit the Engineering Career connections office to help build a resume, find out about internships and on campus recruiting activity
- Participate in an internship or CO-OP, this adds valuable experience to your resume.
- Use Handshake to explore employers actively hiring in your field and search part-time jobs that can add experience to your resume.



- Consider study abroad opportunities and seek out undergraduate research projects
- Attend professional development conferences, the STEM Career Expo, take industry tours
- If pursuing graduate school get involved with undergraduate research projects.

- Attend the STEM Career Expo, All Majors Career Fair and/or the Graduate and Professional School Fair

GET INVOLVED

- Check out AU Involve (auburn.edu/auinvolve) to identify organizations of interest.
- Check out Electrical Engineering opportunities like IEEE (eng.auburn.edu/current-students)



- Volunteer for engineering and campus events such as E-Day and BEST robotics

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- Pursue leadership roles in an Engineering and University wide organizations to gain experience and enhance your resume

- If invited, consider joining Eta Kappa Nu, the International Honor Society for Electrical Engineers



- Seek out opportunities to work with summer camps and/or bridge programs

- 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](http://auburn.edu/career)

The program equips students to enter into fields concerning the design, production, and testing of computer hardware. Candidates will often enter into specialty areas such as computer system design, computer architecture, and information networks. Candidates will want to seek out opportunities to develop practical skills throughout their education.

ASIC DESIGN ENGINEER

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

ENTRY LEVEL SALARY RANGE: \$67.9K - \$92.1K

MICROPROCESSOR DESIGNER

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

ENTRY LEVEL SALARY RANGE: \$73.9K - \$100.8K

DATA COMMUNICATIONS SPECIALIST

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

ENTRY LEVEL SALARY RANGE: \$58.2K - \$89.4K

These are just three options out of many that electrical 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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