

PATHWAYS | COMPUTER SCIENCE

Bachelor of Science in Computer Science



SAMUEL GINN COLLEGE OF
ENGINEERING

COURSE SELECTION

FRESHMAN

- Familiarize yourself with engineering requirements and explore interest areas
- Gateway courses: MATH 1610/ 1620, Science sequence (from approved list), ENGR 1110, COMP 1210 Java
- Maintain a good GPA, seek academic support early and often.

SOPHOMORE

- Discuss course plan with your departmental advisor after moving into major, and have PIN reset.
- Gateway courses: COMP 2210, COMP 2710, COMP 3350, COMP 3240 (Pre-req for COMP 4200 which is fall only)
- Discuss course plan and appropriate electives with your departmental advisor; have PIN reset.

JUNIOR

- Continue Developing Knowledge through more sophisticated and in-depth computing courses.
- Progress toward Graduation courses: COMP 3500, 3700
- Complete graduation check in Engineering Student Services the semester before you expect to graduate.

SENIOR

- Begin to synthesize materials and skills to complete optional senior design project
- Meet with your departmental advisor as early as possible to register for classes and have your PIN reset.
- Progression courses: COMP 4320, COMP 4200 (Fall only)

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.
- Use Departmental in major tutoring program
- 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
- Participate in an internship or CO-OP, this adds valuable experience to your resume.
- Attend career, internship and part-time job fairs and departmental info sessions/tech talks to begin networking and gain insight into different areas of computing.
- 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

- Consider study abroad opportunities.
- Attend professional development conferences, the STEM Career Expo, take industry tours
- Continue to attend Career Fairs and Department Information Sessions to obtain a possible internship for summer and gain experience with the hiring process
- 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 the engineering student organizations in your area of interest like The Association of Computer Machinery (ACM) and IEEE-CS (eng.auburn.edu/current-students)
- Utilize AUInvolve (auburn.edu/auinvolve) to identify organizations of interest to attend meetings and enhance your resume
- Continue involvement in ACM with participation in programming competitions and individual hackathons to add to your resume
- Consider application to Cupola Engineering Ambassadors
- Pursue leadership roles in an Engineering and University wide organizations to gain experience and enhance your resume.
- Stay involved with ACM and work on programming competitions and individually on competitions and hackathons to gain added value to resumes and prepare for problem solving interviews
- Stay involved in ACM and gain leadership roles.
- Apply for Computing Honor society if eligible
- Attend the Graduating Senior Exit interviews with Department Chair to review program, offer insights and begin involvement to prepare for alumni status

CAREER PLANNING

AUBURN UNIVERSITY CAREER CENTER

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

The program provides excellent preparation for students seeking careers in software-related computing fields. Coursework includes theoretical computer science, software construction, operating systems and net-centric computing. Applicants will want to take on experiential roles in their college career.

WEB DEVELOPER

MINIMUM EDUCATION: B.S.

ENTRY LEVEL SALARY RANGE: \$29.6K - \$48.8K

COMPUTER SYSTEMS ANALYST

MINIMUM EDUCATION: B.S.

ENTRY LEVEL SALARY RANGE: \$49.8K - \$78.0K

DATABASE ADMINISTRATOR

MINIMUM EDUCATION: B.S.

ENTRY LEVEL SALARY RANGE: \$41.5K - \$72.0K

These are just three options out of many that computer science 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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