

PATHWAYS | SOFTWARE ENGINEERING

Bachelor of Software 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

SOPHOMORE

- Maintain a good GPA, seek academic support early and often.
- Discuss course plan with your departmental advisor and have PIN reset after moving into major
- Gateway courses: COMP 2210, 2710, 3350

JUNIOR

- Discuss course plan and appropriate electives with your departmental advisor; have PIN reset.
- Progression courses: COMP 3500, 3700
- Continuing developing knowledge through more sophisticated and in-depth computing courses.
- Complete graduation check in Engineering Student Services the semester before you expect to graduate.

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.
- Progression courses: COMP 4320, 5710, 5700, 4710

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 tutoring, study partners and academic coaching to get off to a strong start
- Know all areas of academic support to improve your performance: free tutoring, group and Study Partners
- Use Departmental in major tutoring program
- Visit the Eng Career connections office to help build a resume, find out about internships and on campus recruiting activity

- Meet with your departmental advisor to register for classes in your major field
- 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.

- Meet with someone in the AU career center to explore career options, receive individualized assistance and update your resume and cover letter sample.
- 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.

- Consider study abroad opportunities and seek out undergraduate research projects
- Attend professional development conferences, the STEM Career Expo, take industry tours
- Begin 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), Upsilon Pi Epsilon, IEEE-CS, Society of Women Engineers



- Utilize AUIinvolve (auburn.edu/ auiinvolve) 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
- Pursue leaderships roles in ACM

- Continue to be active in ACM and continue with programming and hackathon opportunities.

- 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

The program equips students with a balance of theory and practical application, software engineering focuses on the complete development of software systems. Areas of focus include software modeling and design, construction, process and quality assurance, networks, operating systems and computer architecture.

SOFTWARE DEVELOPER, SYSTEMS
MINIMUM EDUCATION: B.S.E.

ENTRY LEVEL SALARY RANGE: \$60.5K - \$95.3K

SOFTWARE DEVELOPER, APPLICATIONS
MINIMUM EDUCATION: B.S.E.

ENTRY LEVEL SALARY RANGE: \$54.6K - \$90.7K

COMPUTER SYSTEMS ARCHITECT
MINIMUM EDUCATION: B.S.E.

ENTRY LEVEL SALARY RANGE: \$60.0K - \$83.9K

These are just three options out of many that software 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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