

PATHWAYS | WIRELESS ENGINEERING



SAMUEL GINN COLLEGE OF
ENGINEERING

Bachelor of Wireless Engineering
Wireless hardware option

COURSE SELECTION

FRESHMAN

- Familiarize yourself with engineering requirements and explore interest areas
- Gateway courses: MATH1610/1620, PHYS 1600/1610, ENGR 1110/1100, COMP 1200 C Programming

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 2110/2120/2200/2210 and MATH 2660

JUNIOR

- Discuss course plan and appropriate electives with your departmental advisor; have PIN reset.
- Gateway courses: ELEC 3310/3320/3800/3400

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 tutoring, study partners and academic coaching to get off to a strong start



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

- Know all areas of academic support to improve your performance: free tutoring, group and Study Partners
- 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.

- 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 Job Fair- Fall and/or Spring semester
- Use Handshake to explore employers actively hiring in your field and search part-time jobs that can add experience to your resume.

- Participate in an internship or CO-OP, this adds valuable 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 the engineering student organizations in your area of interest like the Institute of Electrical and Electronics Engineers (IEEE). For a full list see <http://www.eng.auburn.edu/elec/programs/student-orgs.html>



- Volunteer for engineering and campus events such as E-Day and BEST robotics
- Utilize AUIinvolve(auburn.edu/auinvolve) to identify organizations of interest to attend meetings and enhance your resume

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

This program prepares students to enter the rapidly growing wireless industry. The program allows students to specialize in one of two tracks: wireless hardware and wireless software. Graduates work in a variety of roles including: telecommunications, manufacture and design, and others.

RADIO FREQUENCY ENGINEER
MINIMUM EDUCATION: B.W.E.

ENTRY LEVEL SALARY RANGE: \$63.3K - \$95.2K

WIRELESS COMMUNICATIONS ENGINEER
MINIMUM EDUCATION: B.W.E.

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

ANTENNA DESIGN ENGINEER
MINIMUM EDUCATION: B.W.E.

ENTRY LEVEL SALARY RANGE: \$76.0K - \$92.4K

These are just three options out of many that wireless 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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