PATHWAYS | Wireless Engineering

Bachelor of Wireless Engineering
Wireless Software Option

FRESHMAN
- Familiarize yourself with engineering requirements and explore interest areas
- Gateway courses: MATH1610/1620, PHYS1600/1610, ENGR1110/1100, COMP1210 Java
- Discuss course plan with your departmental advisor after moving into major and have PIN reset.
- Gateway courses: COMP2210, ELEC2110, ELEC2220, ELEC2220, COMP2710, COMP3350

SOPHOMORE
- Discuss course plan and appropriate electives with your departmental advisor; have PIN reset.
- Progression courses: COMP2510, COMP3710, (Spring only Jr. Year), ELEC3400, ELEC3800
- Continue Developing Knowledge through more sophisticated and in-depth computing courses.
- 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: COMP4710, ELEC3060. Courses designated for selected Network Specialization or Software Specialization
- Complete graduation check in Engineering Student Services the semester before you expect to graduate.

JUNIOR
- 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 departmental and university academic support to improve your performance: free tutoring, group, and Study Partners
- Meet with your departmental advisor to register for classes in your major field
- Meet with someone in Engineering Career Connections and/or University Career Center (UCC) to explore company options, receive individualized assistance and update your resume and cover letter.
- Take advantage of Dr. Seals in major tutoring program
- Meet with someone in the UCC 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

SENIOR
- 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.
- Attend Career 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 Engineering & Technology Career Fair, take industry tours
- If pursuing graduate school get involved with undergraduate research projects
- Attend the Graduating Senior Exit interview with Department Chair to review program, offer insights and begin involvement to prepare for alumni status
- Attend the Engineering & Technology Career Fair, All Majors Career Fair and/or the Graduate and Professional School Fair

COURSE SELECTION
- Familiarize yourself with engineering requirements and explore interest areas
- Gateway courses: MATH1610/1620, PHYS1600/1610, ENGR1110/1100, COMP1210 Java
- Discuss course plan with your departmental advisor after moving into major and have PIN reset.
- Gateway courses: COMP2210, ELEC2110, ELEC2220, ELEC2220, COMP2710, COMP3350

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 departmental and university academic support to improve your performance: free tutoring, group, and Study Partners
- Meet with your departmental advisor to register for classes in your major field
- Meet with someone in Engineering Career Connections and/or University Career Center (UCC) to explore company options, receive individualized assistance and update your resume and cover letter.
- Take advantage of Dr. Seals in major tutoring program
- Meet with someone in the UCC 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.
- Attend Career Fairs and departmental info sessions/Tech Talks to begin networking and gain insight into different areas of computing.
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GET INVOLVED
- Check out the engineering student organizations in your area of interest like The Association of Computer Machinery (ACM) and others
- Volunteer for engineering and campus events such as E-Day and BEST robotics
- 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
- 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 hackathons to gain added value to your resume and 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.
- Attend career fairs and departmental info sessions/Tech Talks to begin networking and gain insight into different areas of computing.
- Attend the Graduating Senior Exit interview with Department Chair to review program, offer insights and begin involvement to prepare for alumni status
- Attend the Engineering & Technology Career Fair, All Majors Career Fair and/or the Graduate and Professional School Fair

CAREER PLANNING
University Career Center
303 Mary Martin Hall | career.auburn.edu
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.

SYSTEMS ARCHITECT
- Minimum Education: B.W.E.
- Entry Level Salary Range: $60.0K - $83.9K

WIRELESS COMMUNICATIONS ENGINEER
- Minimum Education: B.W.E.
- Entry Level Salary Range: $48.5K - $79.1K

SOFTWARE DEVELOPER
- Minimum Education: B.W.E.
- Entry Level Salary Range: $65.5K - $78.9K

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.