

PATHWAYS | WIRELESS ENGINEERING



SAMUEL GINN COLLEGE OF
ENGINEERING

Bachelor of Wireless Engineering
Wireless software track

| | COURSE SELECTION | ASK FOR ASSISTANCE | GAIN EXPERIENCE | GET INVOLVED |
|-----------|--|--|---|--|
| FRESHMAN | <ul style="list-style-type: none"> Familiarize yourself with engineering requirements and explore interest areas Gateway courses: MATH1610/1620, PHYS 1600/1610, ENGR 1110/1100, COMP 1210 Java Discuss course plan with your departmental advisor after moving into major and have PIN reset. | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> Attend CO-OP orientation Attend Internship and Part-Time Job Fair- Fall and/or Spring semester | <ul style="list-style-type: none"> 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 |
| SOPHOMORE | <ul style="list-style-type: none"> Gateway courses: COMP 2210, ELEC 2110, ELEC 2200, ELEC 2220, COMP 2710, COMP 3350 Discuss course plan and appropriate electives with your departmental advisor; have PIN reset. | <ul style="list-style-type: none"> Know all areas of departmental and university academic support to improve your performance: free tutoring, group, and Study Partners | <ul style="list-style-type: none"> Visit the Eng 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. Attend career fairs and departmental info sessions/Tech Talks to begin networking and gain insight into different areas of computing. | <ul style="list-style-type: none"> 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 |
| JUNIOR | <ul style="list-style-type: none"> Progression courses: COMP 3510, COMP 3710, (Spring only Jr. Year), ELEC 3400, ELEC 3800 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 | <ul style="list-style-type: none"> 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. Take advantage of Dr. Seals in major tutoring program | <ul style="list-style-type: none"> 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. | <ul style="list-style-type: none"> 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 resumes and prepare for problem solving interviews |
| SENIOR | <ul style="list-style-type: none"> Progression courses: COMP 4710, ELEC 3060, Courses designated for selected Network Specialization or Software Specialization Complete graduation check in Engineering Student Services the semester before you expect to graduate. | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> Begin to attend Career Fairs and Department Information Sessions to obtain a possible internship for summer and gain experience with the hiring process Attend the STEM Career Expo, All Majors Career Fair and/or the Graduate and Professional School Fair | <ul style="list-style-type: none"> Attend the Graduating Senior Exit interviews with Department Chair to review program, offer insights and begin involvement to prepare for alumni status Pursue leadership roles in ACM Continue involvement with ACM |

CAREER PLANNING

AUBURN UNIVERSITY CAREER CENTER

303 MARY MARTIN HALL | 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.

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: \$58.2K - \$89.4K

SOFTWARE DEVELOPER
MINIMUM EDUCATION: B.W.E.

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

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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