PATHWAYS | Biosystems Engineering

**Bachelor of Biosystems Engineering**
- Ecological Engineering option
- Forest Engineering option

### COURSE SELECTION

**FRESHMAN**
- Familiarize yourself with engineering requirements and explore interest areas
- Gateway courses: MATH 1610/1620, PHYS 1600, CHEM 1030/1031, ENGR 1110/1100

**SOPHOMORE**
- Maintain a good GPA, seek academic support early and often.
- Discuss appropriate electives and minor options with your advisors.
- Gateway courses: MATH 2630/2650, ENGR 2050, BIOL 1020/21

**JUNIOR**
- Continuing developing knowledge
- Work with faculty advisor to select elective courses that align with your future goals
- Gateway courses: BSEN 3310/3230, BIOL 3200, CHEM 1040, STAT 3010

**SENIOR**
- Continue to ensure your courses align with your career interest
- Synthesize skills to complete senior design project
- Gateway courses: BSEN 4300/5220,

### ASK FOR ASSISTANCE

- Meet with your assigned faculty advisor each semester to discuss class schedule and academic plan
- Check out free tutoring, study partners and academic coaching to get off to a strong start

### GAIN EXPERIENCE

- Attend CO-OP orientation
- Attend Internship and Part-Time Fair-Fall and/or Spring semester
- Visit the Engineering 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
- Prepare professional eportfolio
- Attend the BSEN Career Fair in Spring

- Consider study abroad opportunities and seek out undergraduate research projects
- Update eportfolio
- Attend professional development conferences, the STEM Career Expo, take industry tours
- Attend the BSEN Career Fair in Spring
- 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
- Update eportfolio and prepare for job interviews
- Attend the BSEN Career Fair in Spring

### GET INVOLVED

- Check out the engineering student organizations in your area of interest
- The American Society of Agricultural and Biological Engineers (ASABE) student branch is a professional organization for students interested in engineering for sustainable tomorrow
- Join other BSEN students in international engineering competitions for design, undergraduate research, essay competition and video production, and War Eagle Pullers (1/4 scale tractor team)
- Volunteer and seek out opportunities that cater to your interests and also challenge you to get out of your comfort zone
- Utilize AUInvolve (auburn.edu/auinvolve) to identify organizations of interest to attend meetings and enhance your resume
- Pursue leadership roles in the ASABE student branch organization
- Alpha Epsilon is the honor society for biosystems engineers that is dedicated to recognizing your academic achievements
- Pursue leadership roles in other organizations

### Environmental Engineer
- Minimum Education: B.S.
- Entry Level Salary Range: $45K - $65K
- These are just three options out of many that biosystems engineering majors pursue. For more career options be sure to check out “What Can I Do With a Major In...” on auburn.edu/career.

### Storm Water Engineer
- Minimum Education: B.S.
- Entry Level Salary Range: $45K - $70K

### Plant/Process Engineer
- Minimum Education: B.S.
- Entry Level Salary Range: $50K - $75K

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**Career Planning**

Auburn University Career Center
303 Mary Martin Hall | auburn.edu/career

- The program prepares graduates to apply engineering principles to the challenges and opportunities presented in biological systems, natural resources, and the environment. They can be found in a variety of areas including bioenergy, water resources, engineering, forest operations engineering, watershed modeling, stream and river restoration and others.

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