**PATHWAYS | Electrical Engineering**

**Bachelor of Electrical Engineering**

**COURSE SELECTION**

- **FRESHMAN**
  - Familiarize yourself with engineering requirements and explore interest areas.
  - Gateway courses: MATH 1610/1620, PHYS 1600/1610, ENGR 1110/1120, COMP 1200 C Programming.
  - Maintain a good GPA, seek academic support early and often.
  - Discuss course plan with your departmental advisor and have PIN reset.
  - Gateway courses: ELEC 2120, ELEC 2210 and MATH 2660.

- **SOPHOMORE**
  - Discuss course plan and appropriate electives with your departmental advisor; have PIN reset.
  - Gateway courses: ELEC 3030 and ELEC 3040.

- **JUNIOR**
  - Begin to synthesize materials and skills to complete senior design project.
  - Meet with your departmental advisor to register for classes and reset your PIN.
  - Schedule a graduation check with an academic advisor in Engineering Student Services the semester before you graduate.

- **SENIOR**
  - Meet with your pre-engineering academic advisor each semester to discuss class schedule, academic plan and have your PIN reset.
  - Check out free ESS tutoring to get off to a strong start. (eng.auburn.edu/current-students)
  - Academic Support provides several free resources to improve performance including Study Partners, Supplemental Instruction and academic coaching. (auburn.edu/academicsupport)

  - Maintain a good GPA, seek academic support early and often.
  - Discuss course plan with your departmental advisor and have PIN reset.
  - Gateway courses: MATH1610/1620, PHYS 1600/1610, ENGR 1110/1120, COMP 1200 C Programming.

**ASK FOR ASSISTANCE**

- Meet with your pre-engineering academic advisor each semester to discuss class schedule, academic plan and have your PIN reset.
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- Maintain a good GPA, seek academic support early and often.
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- Gateway courses: MATH 1610/1620, PHYS 1600/1610, ENGR 1110/1120, COMP 1200 C Programming.

**GAIN EXPERIENCE**

- **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.
  - Visit the Engineering Career Connections office to help build a resume. (eng.auburn.edu/career)

- **CONSIDER STUDY ABROAD OPPORTUNITIES:**
  - Pursue leadership roles in an Engineering and University wide organizations to gain experience.
  - If invited, consider joining Eta Kappa Nu, the International Honor Society for Electrical Engineers.
  - Seek out opportunities to work with summer camps and/or bridge programs.

- **CHECK OUT AU INVOLVE (auburn.edu/auinvolve) TO IDENTIFY ORGANIZATIONS OF INTEREST:**
  - Volunteer for engineering and campus events such as E-Day and BEST robotics.
  - Participate in an internship or Co-op. This adds valuable experience to your resume.
  - Continue to take advantage of academic support services across campus.

- **MUST ATTEND:**
  - Attend Internship and Part-Time Fair-Fall and/or Spring semester.
  - Attend Co-op orientation.
  - Attend professional development conferences, the STEM Career Expo, take industry tours.
  - If pursuing graduate school get involved with undergraduate research projects.
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**GET INVOLVED**

- **Pursue leadership roles in an Engineering and University wide organizations to gain experience and enhance your resume**
- **If invited, 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**

**Electrical Energy Transmission Engineer**

- **Minimum Education:**
- **Entry Level Salary Range:** $52.0K - $61.5K

**Instrument and Control Engineer**

- **Minimum Education:**
- **Entry Level Salary Range:** $53.9K - $78.2K

**Satellite Instrumentation Engineer**

- **Minimum Education:**
- **Entry Level Salary Range:** $53.8K - $74.3K

These are just three options out of many that electrical engineering majors pursue. For more career options be sure to check out “What Can I Do With a Major In...” on auburn.edu/career.