Electronics Engineering Technology (Electronic Systems), BS

TSEETEBS

ASU is no longer accepting new students to this program. Please explore Degree Search for other similar program options.

Program Description

The curriculum of the BS degree program in electronics engineering technology serves the needs of students interested in applied aspects of electronics technology. The electronics engineering technology program has a practice-based approach and uses laboratories to make electronics technology real to students. Major components of the program include:

- design
- electronics-related technical courses
- engineering science
- general education
- science and mathematics

The field of electronics engineering technology applies mathematics, science and economics, along with state-of-the-art electronics techniques, materials and devices to solve technological problems and to produce useful products. The concentration in electronic systems, under the Bachelor of Science in electronics engineering technology, allows students to develop a broad-based knowledge of electrical and electronic fundamentals with an applications perspective.


This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program.
At a Glance

- **College/School:** Ira A. Fulton Schools of Engineering
- **Location:** Polytechnic campus
- **Additional Program Fee:** Yes
- **Second Language Requirement:** No
- **First Required Math Course:** MAT 265 - Calculus for Engineers I
- **Math Intensity:** Substantial

Required Courses (Major Map)

2013 - 2014 Major Map
Major Map (Archives)

Admission Requirements

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman | Transfer | International | Readmission

Transfer Options

ASU is committed to helping you thrive by offering tools that allow you to personalize your transfer path to ASU. Students may use the Transfer Map search to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools, and resources and help students save time and money in their college journey. Learn more about these programs by visiting the Admissions site.

Global Opportunities

PLuS Alliance
Global Experience

With over 250 programs in more than 65 countries (ranging from one week to one year), study abroad is possible for all ASU students wishing to gain global skills and knowledge in preparation for a 21st-century career.Â Students
earn ASU credit for completed courses, while staying on track for graduation, and may apply financial aid and scholarships toward program costs. https://mystudyabroad.asu.edu/

Global Degree

Career Opportunities

Graduates have an understanding of energy and power technology, how materials and components contribute to the performance of electronic systems, and how to exploit the power of integrated electronics to enhance productivity and technology solutions. The electronic systems concentration prepares students for careers in:

- control applications
- electronics applications
- instrumentation applications
- power systems applications

Engineering technologists typically work as members of engineering teams in:

- applied design
- manufacturing
- operations
- product development
- production

They may also be employed in technical services capacities, including:

- field engineering
- marketing
- sales

Career examples include but are not limited to those shown in the following list. Advanced degrees or certifications may be required for academic or clinical positions.

<table>
<thead>
<tr>
<th>Career</th>
<th>*Growth</th>
<th>*Median Salary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aerospace Engineer</td>
<td>6.1%</td>
<td>$113,030</td>
</tr>
<tr>
<td>Electrical Engineer</td>
<td>8.6%</td>
<td>$95,060</td>
</tr>
<tr>
<td>Career</td>
<td>Growth Rate</td>
<td>Salary</td>
</tr>
<tr>
<td>-----------------------------------</td>
<td>-------------</td>
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</tr>
<tr>
<td>Electrical Engineering Professor</td>
<td>14.6%</td>
<td>$98,360</td>
</tr>
<tr>
<td>Electrical Engineering Technician</td>
<td>2.0%</td>
<td>$63,660</td>
</tr>
<tr>
<td>Electronics Engineer</td>
<td>3.7%</td>
<td>$102,180</td>
</tr>
<tr>
<td>Electronics Engineering Technician</td>
<td>2.0%</td>
<td>$63,660</td>
</tr>
<tr>
<td>Electronics Technician</td>
<td>3.5%</td>
<td>$56,740</td>
</tr>
<tr>
<td>Engineering Manager</td>
<td>5.5%</td>
<td>$137,720</td>
</tr>
<tr>
<td>Radio Frequency Identification Device Specialist</td>
<td>3.7%</td>
<td>$102,180</td>
</tr>
<tr>
<td>Robotics Technician</td>
<td>3.5%</td>
<td>$56,740</td>
</tr>
</tbody>
</table>

* Data obtained from the Occupational Information Network (O*NET) under sponsorship of the U.S. Department of Labor/Employment and Training Administration (USDOL/ETA).

🌞 Bright Outlook 🌿 Green Occupation

**Contact Information**

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