



# Electrical Engineering Technology, A.A.S.

[EET.AAS; CIP Code 15.0612]

## Associate in Applied Science - Career

This program prepares students for entry-level employment in the fields of electronic, mechatronics, and manufacturing as well as transfer into baccalaureate programs leading to careers in fields in manufacturing, product development, management, and engineering technology across robotics, automotive, medical, and various industrial fields.

The flexibility offered by this program allows for entrance directly into the workforce or transfer into a BS in Engineering Technology program. Students should choose their electives deliberately with the transfer destination in mind.

### FIRST YEAR - Fall Semester

<input type="checkbox"/> EN 101 English Composition I	3
<input type="checkbox"/> EG 101 Introduction to Engineering I	2
<input type="checkbox"/> IT 107 Circuits I	3
<input type="checkbox"/> MA 121 Precalculus Mathematics	4
<input type="checkbox"/> PI 123 Fundamentals of Physics I	4
	<hr/> 16

### Spring Semester

<input type="checkbox"/> EN 102 English Composition II	3
<input type="checkbox"/> MA 130 Calculus I	4
<input type="checkbox"/> EG 103 Introduction to Engineering Lab I	2
<input type="checkbox"/> PI 124 Fundamentals of Physics II	4
<input type="checkbox"/> CS 212 C++ Programming	4
	<hr/> 17

### SECOND YEAR - Fall Semester

<input type="checkbox"/> EG 211 Introduction to Engineering II	1
<input type="checkbox"/> IT 205 Digital Electronics	3
<input type="checkbox"/> EC 201 Principles of Economics (Macro) or EC 202 Principles of Economics (Micro)	3
<input type="checkbox"/> IT 227 Circuits II	3
<input type="checkbox"/> IT 111 Electronics	4
	<hr/> 14

### Spring Semester

<input type="checkbox"/> EG 212 Introduction to Engineering II Lab	1
<input type="checkbox"/> IT 241 Robotics and Motion Control	3
<input type="checkbox"/> IT 218 Programmable Logic Controllers	3
<input type="checkbox"/> SP 203 Effective Speech	3
<input type="checkbox"/> IT 244 Instrumentation & Measurement	3
	<hr/> 13

**TOTAL CREDITS: 60**

## Program Learning Outcomes

Upon Completion of this program, students should be able to:

- Conduct tests, measurements and experiments to analyze and interpret results
- Apply algebra to analyze simple electrical circuits
- Employ standardized industrial equipment such as Programmable Logic Controllers and apply the principles of quality control
- Understand industrial and commercial robotics technology
- Design solutions for technical problems and assist with the engineering design of systems, components or processes related to electrical engineering

✦ Are you ready to get started ✦  
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and complete the interest  
form.