

# A.A.S. in Electrical Engineering Technology

## Program Description

The Associate of Applied Science in Electrical Engineering Technology (EET) degree prepares students to install, test, maintain, calibrate and repair electrical and electronic systems.

## Delivery Mode

Traditional (on campus)

## Curriculum

Course	Credits
<b>General Education Courses</b>	<b>26</b>
<i>Building a Sense of Community</i> <b>UNI 100</b> First-Year Seminar	1
<i>Composition</i> <b>ENG 101</b> English Composition I	3
<i>Public Speaking</i> Any Public Speaking Course	3
<i>Mathematics and Quantitative Literacy</i> <b>MAT 181</b> College Algebra*	3
<i>Technological Literacy</i> <b>GET 130</b> Intro to Engineering Technology	3
<i>Natural Sciences</i> <b>PHY 121</b> General Physics I**	4
<i>General Education Options</i> <ul style="list-style-type: none"> <li>• <b>CSC 120</b> Problem Solving and Prog. Constr.</li> <li>• <b>ENG 217</b> Scientific and Technical Writing</li> <li>• <b>MAT 191</b> College Trigonometry*</li> </ul>	9
<b>Professional Technical Core Courses</b>	<b>26</b>
<b>CET 235</b> Digital Electronic Design	4
<b>CET 270</b> Intro to Microprocessor Design	4
<b>CSC 124</b> Computer Programming I	3
<b>EET 110</b> Electric Circuits I	4
<b>EET 160</b> Electric Circuits II	4
<b>EET 210</b> Linear Electronics I	4

## Department of Computer Science, Information Systems and Engineering Technology

---

Course	Credits
<b>MTR 325</b> Fund. of Programmable Logic Controllers	3
<b>Technical Elective</b>	<b>3</b>
Select a course from the following: <ul style="list-style-type: none"><li>• <b>EET 325</b> Introduction to Electric Power (4 credits)</li><li>• <b>ITE 305</b> OSHA General Industrial Safety</li><li>• <b>RET 110</b> Agile Robotics I</li><li>• <b>MTR 335</b> Advanced PLCs</li></ul>	3 or 4
<b>Free Electives</b>	<b>6</b>
<b>Total</b>	<b>60</b>

\* Students may take MAT 199 (Pre-Calculus) in lieu of MAT 181 and MAT 191 followed by MAT 281 (Calculus I) for a more rigorous math tract.

\*\* Students planning to continue to the B.S. in Electrical Engineering Technology program should take Calculus I and PHY 101 (College Physics) instead.

**Program Note:** Students must have a minimum 2.0 GPA to qualify for graduation.

### Continuing Education

Associate degree graduates may transfer credits earned in this program to the bachelor's degree in Electrical Engineering Technology at Cal U with no loss of time or credits when proper advising is followed.