

# ELECTRICAL ENGINEERING TECHNOLOGY - AAS (2313)

Division: Mathematics, Engineering Technologies and Computer Sciences (METCS) Division

This program is accredited by the Engineering Technology Accreditation Commission of ABET, <https://www.abet.org>. (<https://www.abet.org/>)

The Program Educational Objectives (PEOs) and Program Learning Outcomes (PLOs) can be found here (<https://catalog.essex.edu/overview-academic-divisions/division-mathematics-engineering-technologies-computer-science/>).

Code	Title	Credits
<b>General Education Requirements (22 Credits)</b>		
<i>Written &amp; Oral Communication (6)</i>		
ENG 101	College Composition I	3
ENG 105	Technical Writing	3
<i>Quantitative/Scientific Knowledge, Skills &amp; Reasoning (7)</i>		
MTH 114	Unified Calculus I	3
PHY 101	College Physics I	4
<i>Society &amp; Human Behavior (6)</i>		
Select two of the following:		6
ANT 101, ANT 105, ECO 101, ECO 102, POL 104, PSY 101, PSY 102, PSY 219, SOC 101, SOC 108, SOC 219		
<i>Historical Perspective (3)</i>		
Select one of the following:		3
HST 101, HST 102, HST 111, HST 112, HST 121, HST 122, HST 131, HST 132, HST 134, HST 135, HST 136, HST 137, HST 161, HST 162		
<b>Major Course Requirements (24 Credits)</b>		
ELC 115	Electric Circuits I	3
ELC 116	Electric Circuits II	4
ELC 120	Fundamentals of Analog ELC	3
ELC 218	Pulse and Digital Circuits	3
ELC 222	Intro to Communication Systems	3
ELC 250	Electric Design	2
Approved Technical Electives		6
Select two of the following:		
ELC 211, ELC 221, ELC 224, ELC 228, CSC 104, CSC 221		
<b>Additional Course Requirements (14 Credits)</b>		
ENR 100	Fund. of Engineering Design	2
ENR 103	Engr. Graphics & Intro. to CAD	2
MTH 213	Unified Calculus II	3
PHY 102	College Physics II	4
CSC 106	Roadmap to Computing Engineers	3
<b>Total Credits</b>		<b>60</b>

- Approved technical electives should be selected after consultation with an academic advisor.

## Notes:

1. For an explanation of why General Education courses are included in this Program, please refer to the Section on General Education for an explanation of its Purpose and Requirements.
2. This plan assumes the student is eligible to enroll in College Level Courses (designated as 100 +, e.g., ENG 101 College Composition I, HST 101 World Civilization I, MTH 100 Intro. to College Mathematics). Placement results will determine College Level Readiness in English and Mathematics.