

Associate of Applied Science: Energy Systems Electrical Engineering Technology

(2 Years)

Program Objectives

1. Solve technical problems typical of those encountered in the electrical engineering technology discipline by using critical thinking skills, current technology, and practical use of trade equipment.
2. Work and communicate effectively in diverse teams in an industrial setting.
3. Understand the importance to pursue lifelong learning and stay current with technical standards and codes.

Students must register concurrently for the lab course associated with each theory course.

Code	Title	Credits
Required Courses:		
ESET 0100	Engineering Technology Orientation	1
ESET 0100L	Engineering Technology Orientation Lab	1
ESET 0101	Electrical Circuits I	5
ESET 0101L	Electrical Circuits I Laboratory	5
ESET 0102	Electrical Circuits II	5
ESET 0102L	Electrical Circuits II Laboratory	5
ESET 0141	Applied Mathematics I	4
ESET 0142	Applied Mathematics II	4
ESET 0181	Information Technology Fundamentals	3
ESET 0212	Electrical Systems Documentation and Standards	1
ESET 0222	Process Control Theory	3
ESET 0226	Process Control Devices Laboratory	1
ESET 0292	Electrical Engineering Technology I	7
ESET 0292L	Electrical Engineering Technology I Laboratory	5
ESET 0293	Electrical Engineering Technology II	5
ESET 0293L	Electrical Engineering Technology II Laboratory	4
TGE 0159	Internship Strategies	1
General Education courses ¹		
CHEM 1100	Concepts of Chemistry ²	4
or PHYS 1101/1101L	Elements of Physics	
COMM 1101	Fundamentals of Oral Communication ²	3
MATH 1153	Statistical Reasoning ²	3-4
or MATH 1170	Calculus I	
Additional General Education courses		6
Total Credits		76-77

¹ See General Education Requirements (minimum 15 credits) for A.A.S. Degree at the start of the College of Technology section of the catalog.

² Contributes to a General Education requirement.