

# Curriculum Guide: Electrical Engineering Technology

Course	Title	Credits
<b>Freshman</b>		
<b>Fall</b>		
ET 101	Fundamentals of Engineering Technology	2
ET 105	Fundamentals of Drawing	3
ET 130	Basic Electrical Circuits I	3
MATH 202	Calculus and Analytic Geometry I	4
First Year Seminar		3
	Credits	15
<b>Spring</b>		
ET 131	Basic Electrical Circuits II	3
ET 150	Codes, Safety, and Standards	2
MATH 203	Calculus and Analytic Geometry II	4
General Ed		3
General Ed		3
	Credits	15
<b>Sophomore</b>		
<b>Fall</b>		
ET 142	Introduction to Programming	3
ET 232	Semiconductor Devices	3
PHYSICS 103 or PHYSICS 201	Fundamentals of Physics I or Principles of Physics I	5
General Ed		3
	Credits	14
<b>Spring</b>		
ET 233	Linear Circuits	3
ET 240	Micro-controllers and Programmable Logic Controllers	3
ET 311	Digital Electronics	3
PHYSICS 104 or PHYSICS 202	Fundamentals of Physics II or Principles of Physics II	5
	Credits	14
<b>Junior</b>		
<b>Fall</b>		
ET 250	Signals and Systems	3
ET 340	Advanced Programmable Logic Controllers	3
ET 342	Supervisory Control and Data Acquisition	3
General Ed		3
General Ed		3
	Credits	15
<b>Spring</b>		
ET 324	Motors and Drives	3
ET 344	Industrial Electronics and Control	3
ET 346	Electrical Power Systems	3
General Ed		3

General Ed		3
	Credits	15
<b>Senior</b>		
<b>Fall</b>		
ET 360	Project Management	3
ET 390	Mechatronics	4
Elective		3
Elective		3
Elective		3
	Credits	16
<b>Spring</b>		
ET 348	Electromagnetic Fields and Applications	3
ET 350	Data Communication and Protocols	3
ET 400 or ET 410	Co-op/Internship in Engineering Technology or Capstone Project	3
Elective		4
General Ed		3
	Credits	16
	Total Credits	120

**120 credits required to earn degree**

General Education categories \*requirement is met with a specific required course:

- First Year Seminar-3 credits
- Biological Science-3 credits
- Fine Arts-3 credits
- Global Culture-3 credits
- Humanities-6 credits
- Natural Sciences-3 credits\*
- Social Sciences-6 credits
- Sustainability Perspective-3 credits
- Quantitative Literacy-3 credits\*
- Capstone-3 credits\*