

SUNY Canton- Electrical Engineering Technology - AAS (699)
ABET ACCREDITED PROGRAM

Fall 2026

<u>First Semester</u>		
	<u>Courses</u>	<u>Credit Hours</u>
ELEC 101	Electric Circuits I	3
ELEC 109	Electric Circuits I Laboratory	1
ELEC 161	Electronic Fabrication	2
ENGL101	Composition & the Spoken Word	3
MATH 123	Pre-Calculus Algebra	4
SOET 116	Intro to CAD and Design	<u>2</u>
		15
<u>Second Semester</u>		
ELEC 102	Electric Circuits II	3
ELEC 129	Electric Circuits II Laboratory	1
ELEC 141	Industrial Controls	2
ELEC 165	Digital Fundamentals & Systems	3
ELEC 166	Digital Fundamentals & Systems Lab	1
	Diversity Elective Course (GER 3)	3
MATH 161	Calculus I	<u>4</u>
		17
<u>Third Semester</u>		
ELEC 231	Electronic Circuits	4
❖	Programming Elective	2-4
ELEC 213	Microprocessors	3
ELEC 215	Electrical Energy Conversion	4
PHYS121/131	College or University Physics I	3
PHYS125/135	Physics Lab I	<u>1</u>
		17-19
<u>Fourth Semester</u>		
ELEC 203	Engineering Technology Project	1
ELEC225/383	Telecommunications or Power Transmission & Distribution	3
ELEC 332	Industrial Power Electronics	3
ELEC 243	Automated Control Systems	2
PHYS122/132	College or University Physics II	3
PHYS 126/136	Physics Lab II	1
SOET 377	Engineering Ethics*	<u>1</u>
		14
Total Credits: 63-65		

Note: Students are encouraged to take SOET 349 or SOET 348 Engineering Safety course. This course is not required for AAS degree program, but it is recommended by Industry Advisory Board.

*Writing Intensive Course

Graduation Requirements: 64 Semester Credit Hours with a G.P.A. of 2.0 minimum