

SUNY Canton - 2022/2023 ABET – ACCREDITED PROGRAM

ELECTRICAL ENGINEERING TECHNOLOGY

AAS degree program (Curriculum 699)

Faculty Members: Stephen Frempong, Rashid Aidun, Raamitha Pillay, Shahrokh Sani

		<u>First Semester</u>		
<u>Courses</u>		<u>Credit</u>	<u>Term</u>	<u>Grade</u>
FYEP 101	First Year Experience	1	_____	_____
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>	_____	_____
		16		
		<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	_____	_____
ENGL ____	*English (Literature)	3	_____	_____
MATH 161	Calculus I	<u>4</u>	_____	_____
		17		
		<u>Third Semester</u>		
ELEC 231	Electronic Circuits	4	_____	_____
ENGS 102	Programming for Engineers	2	_____	_____
ELEC 213	Microprocessors	3	_____	_____
ELEC 215	Electrical Energy Conversion	4	_____	_____
PHYS121/131	College <i>or</i> University Physics I	3	_____	_____
PHYS125/135	Physics Lab I	<u>1</u>	_____	_____
		17		
		<u>Fourth Semester</u>		
ELEC 203	Engineering Technology Project	1	_____	_____
ELEC225/383	Telecommunications <i>or</i> Power Transmission & Distribution	3	_____	_____
ELEC 332	Industrial Power Electronics	3	_____	_____
ELEC 243	Automated Control Systems	2	_____	_____
PHYS122/132	College <i>or</i> University Physics II	3	_____	_____
PHYS 126/136	Physics Lab II	1	_____	_____
SOET 377	* Engineering Ethics	1	_____	_____
		<u>14</u>		

**Suggested English Literature Electives: ENGL203, 204, 205, 206, 109, 215, 216, 217, 225 *or* 295*

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

Name of student.....Certified for graduation (Yes/No)

SN.....Certified by.....Date.....

Class of.....Total G.P.A.....