

Electrical Engineering Technology - AAS (Curriculum # 699)**Fall 2024****Faculty Members: Stephen Frempong, Rashid Aidun, Raamitha Pillay**

		<u>First Semester</u>	
	<u>Courses</u>		<u>Credit</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
GER (3)	Diversity Elective Course		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 <u>or</u> 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 <u>or</u> Power Transmission & Distribution		3
ELEC 332	Industrial Power Electronics		3
ELEC 243	Automated Control Systems		2
PHYS122/132	College <u>or</u> University Physics II		3
PHYS 126/136	Physics Lab II		1
SOET 377	* Engineering Ethics		<u>1</u>
			14

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