

Fall 2014

ELECTRICAL ENGINEERING TECHNOLOGY

AAS degree program (Curriculum 699)

Fulltime Program Faculty Members: Robert Jennings, Stephen Frempong, Rashid Aidun, David Hartle, Kaiser Khan

		<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	_____	_____
ENGL102/101	Oral & Written Expression or Expository Writing [GER 10]	3	_____	_____
MATH 123	Pre-Calculus Algebra [GER 1]	4	_____	_____
ENGS 102	Programming for Engineers	<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) [GER 7]	3	_____	_____
MATH 161	Calculus I [GER 1]	<u>4</u>	_____	_____
		17		

		<u>Third Semester</u>		
ELEC 231	Electronic Circuits	4	_____	_____
SOET 116	Intro to CAD and Design	2	_____	_____
ELEC 213	Microprocessors	3	_____	_____
ELEC 215	Electrical Energy Conversion	4	_____	_____
PHYS121/131	College <i>or</i> University Physics I [GER 2]	3	_____	_____
PHYS 125	Physics Lab I [GER 2]	<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	Physics Lab II	1	_____	_____
SOET 377	*Engineering Ethics	1	_____	_____
		<u>14</u>		

- ❖ *Suggested English Literature Electives: ENGL203, 204, 205, 206, 209, 215, 216, 217, 225 or 295*
- ❖ *Suggested Social Science Electives: ANTH102, ECON101, PSYC101, SOCI101, SSCI181, SOCI105, PSYC111*

*Writing Intensive Course

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