

Electrical Engineering Technologies

General Education Requirements					
COURSE CODE	COURSE TITLE	PREREQUISITES	COREQUISITES	CREDITS	MET
ENGL 100	English Composition	ENGL 080		3	
ENGL 115	Introduction to Literature	ENGL 100 or ENGL 101		3	
FIGS 100	Student Success Elective - Industrial Technology & Transportation Pathway			1	
MATH 140	College Algebra	MATH 040		3	
MATH 146	Introduction to Trigonometry (8 week course)	MATH 040	MATH 140	1	
PHYS 150	College Physics I with Lab	MATH 140		4	
	Fine Arts or Humanities Elective			3	
	Social Science Elective			3	
Major Required Courses					
COURSE CODE	COURSE TITLE	PREREQUISITES	COREQUISITES	CREDITS	MET
AEDD 105	CAD Graphics	MATH 040		3	
ELEC 101	Intro to Electrical Engineering Technologies			3	
ELEC 110	DC Circuits	ELEC program acceptance	MATH 140 & MATH 146	3	
ELEC 120	Digital Electronics	ELEC program acceptance		3	
ELEC 130	Programmable Logic Controllers	ELEC program acceptance		3	
ELEC 140	AC Circuits	ELEC 101, ELEC 110 w/grade of "C" or better, MATH 140 & MATH 146		3	
ELEC 170	Three-Phase Circuits	ELEC 140 w/grade of C or better		3	
ELEC 175	Wiring Practices	ELEC program acceptance		3	
ELEC 215	Electrical Machinery	ELEC 140	ELEC 170	3	
ELEC 230	Electronics I	ELEC 140 w/grade of C or better		3	
ELEC 235	Electronics II	ELEC 230		3	
ELEC 240	Fluid Power Systems	ELEC program acceptance		3	
ELEC 250	National Electrical Code	ELEC 170, ELEC 215		3	
ELEC 260	Motor Controls and Automation	ELEC 215		3	
ELEC 265	Renewable Energy Resources	ELEC 110		3	