Individual Graduation Plan
A40180 – Electrical Engineering Technology
Fall 2017

Student Name: _____ Student No: _____

The Electrical Engineering Technology curriculum is designed to prepare students through the study and application of principles from mathematics, natural sciences, and technology and applied processes based on these subjects. Course work includes mathematics, natural sciences, engineering sciences and technology. Graduates should qualify to obtain occupations such as technical service providers, materials and technologies testing services, process improvement technicians, engineering technicians, construction technicians and managers, industrial and technology managers, or research technicians. A course of study that prepares the students to apply basic engineering principles and technical skills in electrical maintenance and management or in the design, planning, construction, development, and installation of electrical systems, machines, and power generating equipment. Includes instruction in electrical circuitry, prototype development and testing, systems analysis and testing, systems maintenance, instrument calibration, and report preparation. Graduates may seek employment as technicians, engineering assistants, technical managers, or salespersons in electrical generation/distribution, industrial maintenance, electronic repair, or other fields requiring a broad-based knowledge of electrical and electronic concepts.

Developmental Requirements

(Some developmental requisites may be waived based on placement scores, course selection, etc.)

Year	Semester	Grade	Course Number and Title		Hrs	Prerequisites	Corequisites
			CIS 070	Fundamentals of Computing	1		
			DMA 010	Operations with Integers	1		
			DMA 020	Fractions and Decimals	1*	DMA 010	
			DMA 030	Propor/Ratio/Rate/Percent	1*	DMA 010 and 020	
			DMA 040	Express/Lin Equat/Inequal	1*	DMA 010, 020 and 030	
			DMA 050	Graphs/Equations of Lines	1*	DMA 010, 020, 030 and 040	
			DMA 065	Algebra for Precalculus	2*	DMA 010, 020, 030, 040, and 050	
			DRE 096	Integrated Reading and Writing	3		
			DRE 097	Integrated Reading Writing II	3*	DRE 096	
			DRE 098	Integrated Reading Writing III	3*	DRE 097	

Curriculum Program Requirements

Year	Semester	Grade	Course Number and Title		Hrs	Prerequisites	Corequisites
			1st Semester				
			ACA 115	Success & Study Skills	1		
			CIS 110	Introduction to Computers	3		
			DFT 119	Basic CAD	2		
			ELC 113	Residential Wiring	4		
			ELC 131	Circuit Analysis I	4*	DMA 010, DMA 020 and DRE 096	
			2nd Semester				
			ELC 114	Commercial Wiring	4	ELC 113	
			ELC 117	Motors and Controls	4		
			ELC 135	Electrical Machines	3		
			ELN 133	Digital Electronics	4		

			3rd Semester				
			ENG 111	Writing and Inquiry	3*	DRE 098	CIS 070 or CIS 110
			MAT 171	Precalculus Algebra	4*	DMA 010, DMA 020, DMA030, DMA 040, DMA 050 and DMA 065	DRE 096
			_____	Humanities/Fine Arts Choice *(Choose from ART 111, ART 114, ART 115, PHI 240 or REL 110)*	3*	Varies	
			_____	Social/Behavioral Sciences Choice *(Choose from POL 120, PSY 150 or SOC 210)*	3*	DRE 096	
			4th Semester				
			ELC 128	Intro to PLC	3	ELC 117 or ELC 131	
			ELC 231	Electric Power Systems	4		
			ELN 131	Analog Electronics I	4	ELC 131	
			PHY 151	College Physics I	4	MAT 171	
			5th Semester				
			DFT 189	Emerging Tech in CAD	2	DFT 119 or DFT 151	
			ELC 220	Photovoltaic Sys Tech	3	ELC 131	
			_____	Electrical/Electronic Choice *(Choose from ELC 213 or ELN 232)*	4	Varies	
			_____	Communication Choice *(Choose from COM 120, COM 231 or ENG 112)*	3*	Varies	

TOTAL PROGRAM HOURS REQUIRED =	**69**
Total Developmental Hours Required * =	
Total Hours Required =	

** Hours may be required as indicated by placement scores increasing the number of semester hours required for program completion.*

Notes:

_____ *Student Signature*	_____ *Date*
_____ *Advisor/Counselor Signature*	_____ *Date*