



Electrician Technology Certificate

Four-Semester Pathway - Academic Year 2019-2020

Semester 1	Requirement	Recommended	Prerequisites	Corequisites	Credits	My Plan
FIGS-100	Freshman Interest Group				1	
ELEC-105	Basic Electricity I		MATH-050	MATH-140 & MATH-146	2	
ELEC-115	Basic Electricity II		ELEC-105 w/grade of C or better	MATH-140 & MATH-146	2	
MATH-140	College Algebra		MATH-050		3	
MATH-146	Introduction to Trigonometry		MATH-050	MATH-140	1	
Semester 2						
AEDD-100	Print Reading		MATH-030		3	
ENGL-100	English Composition		ENGL-090, ENGL-095		3	
ELEC-160	Controls I		ELEC-105 w/grade of C or better		3	
Semester 3						
ELEC-150	Transformers		ELEC-115 w/grade of C or better		2	
ELEC-205	Basic Electronics I		ELEC-115 w/grade of C or better		3	
ELEC-220	Electric Motors		ELEC-115 w/grade of C or better	ELEC-150	2	
Semester 4						
ELEC-210	Electrical Topics		ELEC-115 w/grade of C or better		3	
ELEC-250	National Electric Code		ELEC-150, ELEC-220		3	
ELEC-280	Controls II		ELEC-150		2	

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Required Courses					
COURSE CODE	COURSE TITLE	PREREQUISITES	COREQUISITES	CREDITS	MET
AEDD-100	Print Reading	MATH-030		3	
ELEC-105	Basic Electricity I	MATH-050	MATH-140 & MATH-146	2	
ELEC-115	Basic Electricity II	ELEC-105 w/grade of "C" or better	MATH-140 & MATH-146	2	
ELEC-150	Transformers	ELEC-115 w/grade of "C" or better		2	
ELEC-160	Controls I	ELEC-105 w/grade of "C" or better		3	
ELEC-205	Basic Electronics I	ELEC-115 w/grade of "C" or better		3	
ELEC-210	Electrical Topics	ELEC-115 w/grade of "C" or better		3	
ELEC-220	Electric Motors	ELEC-115 w/grade of "C" or better	ELEC-150	2	
ELEC-250	National Electrical Code	ELEC-215 & ELEC-170 OR ELEC-150 & ELEC-220		3	
ELEC-280	Controls II	ELEC-150 w/grade of "C" or better		2	
ENGL-100	English Composition	ENGL-090, ENGL-095		3	
FIGS-100	Freshman Interest Group			1	
MATH-140	College Algebra	MATH-050		3	
MATH-146	Introduction to Trigonometry	MATH-050	MATH-140	1	

2019-2020