



Electrician Technology Certificate Four Semester Pathway Academic Year 2021-2022

Semester 1	Requirement	Recommended	Prerequisites	Corequisites	Credits	My Plan
FIGS 100	Student Success Elective				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	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	

Electricians Technology, Certificate

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	Student Success Elective			1	
MATH 140	College Algebra	MATH 050		3	
MATH 146	Introduction to Trigonometry	MATH 050	MATH 140	1	

2021-2022