



**Electrician Technology  
Certificate  
Four Semester Pathway Academic Year 2025-2026**

Semester 1	Requirement	Recommended	Prerequisites	Corequisites	Credits	My Plan
FIGS 100	Student Success Elective - Industrial Technology & Transportation Pathway				1	
ELEC 105	Basic Electricity I (1st 8 weeks)		MATH 040	MATH 140, MATH 146	2	
ELEC 115	Basic Electricity II (2nd 8 weeks)		ELEC 105 w/grade of C or better	MATH 140, MATH 146	2	
MATH 140	College Algebra		MATH 040		3	
MATH 146	Introduction to Trigonometry (8 week course)		MATH 040	MATH 140	1	
<b>Semester 2</b>						
AEDD 100	Print Reading		MATH 040		3	
ENGL 100	English Composition		ENGL 080		3	
ELEC 160	Controls I		ELEC 105 w/grade of C or better		3	
<b>Semester 3</b>						
ELEC 150	Transformers (1st 8 weeks)		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 (2nd 8 weeks)		ELEC 115	ELEC 150	2	
<b>Semester 4</b>						
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	
				<b>Total Credits</b>	<b>33</b>	

## Electricians Technology, Certificate

<b>Required Courses</b>					
<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>PREREQUISITES</b>	<b>COREQUISITES</b>	<b>CREDITS</b>	<b>MET</b>
ENGL 100	English Composition	ENGL 080		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	
AEDD 100	Print Reading	MATH 040		3	
ELEC 105	Basic Electricity I (1st 8 weeks)	MATH 040	MATH 140, MATH 146	2	
ELEC 115	Basic Electricity II (2nd 8 weeks)	ELEC 105 w/grade of "C" or better	MATH 140, MATH 146	2	
ELEC 150	Transformers (1st 8 weeks)	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 (2nd 8 weeks)	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	

**2025-2026**