



A degree in Commercial and Residential Electrician will prepare students for entry level positions in an electrician career. It also provides hands-on instruction in all aspects of maintenance, operations, troubleshooting and repair of circuits.

## Recommended Course Sequence

General Education/Core Curriculum Courses	Credits	Suggested Semester
ENGL 1301* Composition I	3	Fall/Year 1
MATH 1332* Contemporary Mathematics	3	Spring/Year 1
XXXX X3XX† Social and Behavioral Sciences Elective	3	Fall/Year 2
XXXX X3XX† Language, Philosophy & Culture Elective OR XXXX X3XX† Creative Arts Elective	3	Spring/Year 2
SPCH 1315 Public Speaking OR SPCH 1318 Interpersonal Communication	3	Spring/Year 2
Program Courses	Credits	Suggested Semester
ELPT 1321* Introduction to Electrical Safety and Tools	3	Fall/Year 1
ELTN 1391* Special Topics in Electrician	3	Fall/Year 1
ELPT 1329* Residential Wiring	3	Fall/Year 1
ELPT 1325* National Electrical Code I	3	Fall/Year 1
ELPT 1345* Commercial Wiring	3	Spring/Year 1
ELPT 1320* Fundamentals of Electricity II	3	Spring/Year 1
ELPT 1315* Electrical Calculations I	3	Spring/Year 1
ELTN 1343* Electrical Troubleshooting	3	Spring/Year 1
ELPT 1341* Motor Control	3	Fall/Year 2
ELTN 1391* Special Topics in Electrician	3	Fall/Year 2
ELPT 1357* Industrial Wiring	3	Fall/Year 2
ELPT 2319* Programmable Logic Controllers I	3	Fall/Year 2
ELPT 2323* Transformers	3	Spring/Year 2
ELPT 2325* National Electrical Code II	3	Spring/Year 2
ELPT 2335* Electrical Theory and Devices	3	Spring/Year 2
<b>Total Credit Hours for Graduation</b>	<b>60</b>	

## Program Student Learning Outcomes

Program Student Learning Outcomes (PSLO) are statements that specify what students will know, be able to do or be able to demonstrate when they have completed the program.

1. Demonstrate ability to understand requirements of the National Electrical Code in all wiring installations.
2. Understand and apply knowledge in layout, assembly, installation, and troubleshooting of fixtures, devices, services, heating systems, pumps, motors, and motor controls used in residential, commercial, and some industry locations.
3. Understand and apply knowledge of electrical theory and techniques of the trade, including blueprint reading, wiring, pipe bending, motor control, switching, power circuits and lockout/tag out procedures.

\*Grade of "C" or better is required for graduation.

†Students may take any course within this category of the TSC General Education Core Curriculum.

This information is provided as an example only. You will develop a personalized plan with your Success Coach and faculty advisor/mentor that reflects your goals and interests. You are required to meet with an advisor each semester to ensure you are on track for graduation. This document does not contain all the information you need to stay on track for graduation.