Commercial and Residential Electrician
Associate of Applied Science
Texas Southmost College
Division of Science, Technology, Engineering & Mathematics/
Career & Technical Education

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.

**FIRST YEAR - FALL SEMESTER**
- **ENGL 1301** Composition I .................................................................3
- **ELPT 1321** Introduction to Electrical Safety and Tools ..................................................3
- **ELTN 1391** Special Topics in Electrician ..................................................3
- **ELPT 1329** Residential Wiring ..................................................3
- **ELPT 1325** National Electrical Code I ..................................................3

**FIRST YEAR - SPRING SEMESTER**
- **MATH 1332** Contemporary Mathematics ..................................................3
- **ELPT 1345** Commercial Wiring ..................................................3
- **ELPT 1320** Fundamentals of Electricity II ..................................................3
- **ELPT 1315** Electrical Calculations I ..................................................3
- **ELTN 1343** Electrical Troubleshooting ..................................................3

**SECOND YEAR - FALL SEMESTER**
- **XXXX X3XX** Social and Behavioral Sciences Elective ..................................................3
- **ELPT 1341** Motor Control ..................................................3
- **ELTN 1391** Special Topics in Electrician ..................................................3
- **ELPT 1357** Industrial Wiring ..................................................3
- **ELPT 2319** Programmatic Logic Controllers I ..................................................3

**SECOND YEAR - SPRING SEMESTER**
- **XXXX X3XX** Language, Philosophy & Culture/Creative Arts Elective ..................................................3
- **SPCH 1315** Public Speaking or
- **SPCH 1318** Interpersonal Communication ..................................................3
- **ELPT 2323** Transformers ..................................................3
- **ELPT 2325** National Electrical Code II ..................................................3
- **ELPT 2335** Electrical Theory and Devices ..................................................3

**TOTAL CREDIT HOURS FOR GRADUATION - 60**

* Grade of “C” or better is required for graduation.

1Language, Philosophy & Culture/Creative Arts Electives: Any General Education Core course that meets these categories
2Social and Behavioral Sciences Elective: Any General Education Core course that meets this category.

A minimum grade of “C” must be obtained in each (ELTN, ELPT) course required in the degree plan.