

**Commercial and Residential Electrician  
Associate of Applied Science**

Texas Southmost College  
Division of Science, Technology, Engineering & Mathematics

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.

<b>FIRST YEAR - FALL SEMESTER</b>	<b>CREDIT HOURS</b>
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

<b>FIRST YEAR - SPRING SEMESTER</b>	
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

<b>SECOND YEAR - FALL SEMESTER</b>	
XXXX X3XX <sup>2</sup> 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

<b>SECOND YEAR - SPRING SEMESTER</b>	
XXXX X3XX <sup>1</sup> 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.

<sup>1</sup>Language, Philosophy & Culture/Creative Arts Electives: Any General Education Core course that meets these categories

<sup>2</sup>Social and Behavioral Sciences Elective: Any General Education Core course that meets this category.