

**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.

<b>FIRST YEAR - FALL SEMESTER</b>	<b>CREDIT HOURS</b>
ENGL 1301 <sup>+</sup> Composition I .....	3
ELPT 1321 <sup>+</sup> Introduction to Electrical Safety and Tools .....	3
ELTN 1391 <sup>+</sup> Special Topics in Electrician.....	3
ELPT 1329 <sup>+</sup> Residential Wiring.....	3
ELPT 1325 <sup>+</sup> National Electrical Code I .....	3

<b>FIRST YEAR - SPRING SEMESTER</b>	
MATH 1332 <sup>+</sup> Contemporary Mathematics .....	3
ELPT 1345 <sup>+</sup> Commercial Wiring .....	3
ELPT 1320 <sup>+</sup> Fundamentals of Electricity II .....	3
ELPT 1315 <sup>+</sup> Electrical Calculations I.....	3
ELTN 1343 <sup>+</sup> Electrical Troubleshooting.....	3

<b>SECOND YEAR - FALL SEMESTER</b>	
XXXX X3XX <sup>2</sup> Social and Behavioral Sciences Elective.....	3
ELPT 1341 <sup>+</sup> Motor Control.....	3
ELTN 1391 <sup>+</sup> Special Topics in Electrician.....	3
ELPT 1357 <sup>+</sup> Industrial Wiring .....	3
ELPT 2319 <sup>+</sup> 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 <sup>+</sup> Transformers.....	3
ELPT 2325 <sup>+</sup> National Electrical Code II .....	3
ELPT 2335 <sup>+</sup> Electrical Theory and Devices .....	3

**TOTAL CREDIT HOURS FOR GRADUATION - 60**

<sup>+</sup> 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.

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