

**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.

FIRST YEAR - FALL SEMESTER	CREDIT HOURS
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 ¹ 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 ⁺ Programmable Logic Controllers I.....	3
 SECOND YEAR - SPRING SEMESTER	
XXXX X3XX ¹ 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.

¹Students may take any course within this category of the TSC General Education Core Curriculum.