

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

Texas Southmost College
Health Care, Career and Technical Education Division

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
MATH 1332 ⁺ Contemporary Mathematics I (Math for Liberal Arts Majors I).....	3
ELTN 1391 Special Topics in Electrician	3
ELPT 1321 Introduction to Electrical Safety and Tools.....	3
ELPT 1345 Commercial Wiring	3
 FIRST YEAR - SPRING SEMESTER	
ELPT 1325 National Electrical Code I.....	3
ELPT 1329 Residential Wiring	3
XXXX X3XX ² Social and Behavioral Sciences Elective.....	3
XXXX X3XX ¹ Language, Philosophy & Culture/Creative Arts Elective.....	3
SPCH 1315 Public Speaking or	
SPCH 1318 Interpersonal Communication.....	3
 SECOND YEAR - FALL SEMESTER	
ELPT 1320 Fundamentals of Electricity II.....	3
ELPT 1315 Electrical Calculations I	3
ELPT 1341 Motor Control.....	3
ELTN 1391 Special Topics in Electrician	3
ELPT 1357 Industrial Wiring	3
 SECOND YEAR - SPRING SEMESTER	
ELTN 1343 Electrician Troubleshooting	3
ELPT 2319 Programmatic Logic Controllers I.....	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 Electives: Any General Education Core course that meets these categories.

TSI Requirement (Texas Success Initiative - any other state-approved test) - Student must pass all three sections of state-approved test to graduate with this degree.

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