

Electrical Technician Program Certificate of Completion

Texas Southmost College Workforce Training and Continuing Education

The Electrical Technician Program at the TSC Department of Workforce Training & Continuing Education prepares individuals with the skills, knowledge and hands-on experience required for a long-term electrician career. Electricians install electrical systems in structures; they install wiring and other electrical components, such as circuit breaker panels, switches, and light fixtures, follow blueprints, the National Electrical Code® and state and local codes. Electrical Technician Program is an introduction to electrical principles, terminology, tools and skills. Students will learn electrical principles and terminology, how to properly use the tools and skills needed for installation, practical application of electrical systems, how to compute circuit sizes installation of branch circuits, feeders, and service entrance conductors. This class also includes wiring for residential and medium sized commercial facilities; including loading calculations, service entrance sizing, proper grounding techniques, and associated safety procedures. Electrical Technician Program is a 160-hours program of study. The student will receive a Certificate of Completion upon completing both classes and the OSHA 10-Hour card upon completing the OSHA training course.

COURSES

CONTACT HOURS

ELPT 1011 Basic Electric Theory.....	80
ELPT 1000 Commercial Wiring I.....	80

TOTAL CONTACT HOURS FOR GRADUATION - 160

Must complete all courses with an 80% final grade for graduation.