



ELECTRICAL

Course Description

Students in the two-year Electrical Program will be introduced to electrical theory, electrical safety, proper use of tools and equipment, circuits, breakers and fuses, residential wiring, reading electrical blueprints, wiring devices, lighting circuits, conductors and cables, soldering and splicing techniques, low-voltage switching, load calculations, and residential services. Students will learn employment, communication, professionalism, and trade skills necessary for entry-level employment. Students will engage in a variety of activities that balance direct instruction and training with actual hands-on experiences. Students can also earn an OSHA 10 Certification.

Program Prerequisites

Students must have completed the 10th grade of high school and have a minimum 2.0 GPA. Students must be 16 years of age or turn 16 in grade 11 and complete RESD orientation.

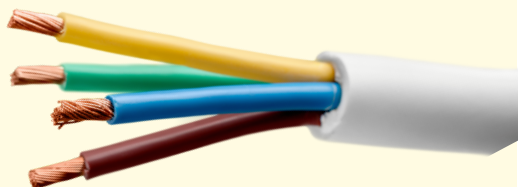
High School/College Credits

Students who successfully complete Electrical Program will earn high school credit and will also earn trades training hours that can lead to apprenticeship opportunities. Students will also have the opportunity to earn articulated college credit.

Credentials

Students will have the opportunity to earn their OSHA10 certification and NCCER CORE credential during the first year of the program. The NCCER Electrical Level 1 credential will be offered during year 2 of the program.

This program is a CTE state-approved program.



Job Opportunities

- Electrician
- Electrical Engineer
- Maintenance Electrician
- Sound, Communication & Data Management Installer/Technician

- Residential Wireman
- Electronics Engineer
- Electrical Engineering Tech
- Machine Tool Electrician

Annual Salaries

Entry Wage: \$43,560
Median Wage: \$59,030
Experienced Wage: \$71,400

Source: careercruising.com

Instructional Topics

