

Electrical Residential Wiring



School: SoCal ROC

Course ID: 514

Availability: Call 310-224-4200

Weight: 0.00kg

Dimensions: 0.00cm x 0.00cm x 0.00cm

Short Description

Intro to Electrical Wiring for High School Students

Description

Accelerate Your Future at SoCal ROC!

Provides students with technical instruction and practical experience in electrical wiring and codes. It focuses on safety, permit requirements and code compliance, wiring design and protection, wiring materials and methods, equipment for general use, special occupancies, special equipment, special conditions, communication systems sanctioned by the National Electrical Code (NEC), and the interpretation of data found in the NEC tables. Heavy emphasis is placed on circuit design, practical wiring techniques and circuit logic. Sixty percent of the student's time will be spent in hands-on labs designed for that very purpose; melding code requirements and practical wiring together.

Learn Valuable Industry Skills!

- Electrical Safety
- Trade Mathematics
- Fundamentals of Electrical Concepts
- Basic Units and Ohm's Law
- Instrumentation such as using a digital multimeter and tone test set
- Planning and Estimating

- Splicing and Soldering
- Installing and Testing
- Wiring
- Alternative Current Theory
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Professional Certification Opportunities!

Designations offered to students completing the Welding program include:

1. Residential Electrical Wiring Certificate of Competency

Checkout Potential Career Options!

- Electrical Trainee
- Maintenance Tech
- Residential Electrician
- Commercial Electrician

Industrial Electrician

Prerequisites

None

Schedule

Complete in 1 Semester: T/Th from 4:15pm - 7:00pm (In-person)

To access the most recent course schedule please call registration or click the link under Course Information. Please be advised schedule is subject to change.

High School Info

Benefits of CTE

After completing courses in CTE, you will likely have a clearer vision of your

future career path and what the next steps will be. Career Technical Education allows high school students to see what options are out there and see first-hand what careers they enjoy and thrive in. Whether you decide to enter the workforce, pursue a trade or apprenticeship, or apply to college, CTE adds to the traditional high school experience and is designed to prepare you for the next stage in your life.

Earn High School Credit!

You can earn 5 elective credits

Ready To Enroll?!

Call our [Career Guidance Specialist](#) or register through your home school counseling offices and receive priority through pre-registration for classes that meet from 1:15 - 4:15 and 4:15 - 7:00 p.m.

Course Locations

Hybrid

Address: 2300 Crenshaw Blvd., Torrance, CA 90501 U.S.

Phone: 310-224-4200