

# General Electrician Module I - III

**School:** SoCal ROC  
**Course ID:** 519  
**Availability:** Call 310-224-4200  
**Weight:** 0.00kg  
**Dimensions:** 0.00cm x 0.00cm x 0.00cm

## Short Description

**Electrical Theory, Conduit Bending, and Residential Wiring**

## Description

**Module I** provides students with technical instruction and practical experience in workplace safety, trade mathematics, fundamental electrical concepts, storage batteries in direct current (DC) circuits, Ohm's Law, alternating current (AC), and resource management.

**Module II** introduces the student to the types of raceway's fittings, anchor systems and boxes used in commercial and industrial installations. It will cover the typical hand and machine tools used to bend and install these raceway's and the OSHA and NEC requirements necessary to ensure worker and customer safety. It will also cover the functions of blueprint drawings and prints.

**Module III** 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.

## Prerequisites

1. Must be 18+

3. Once you have completed Module I-III, you are eligible to enroll in Module IV-VI

**Schedule**

**Complete Module I-III in 1 Semester:** Monday - Thursday from 9:45am - 3:45pm

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

**On the job training**

Yes

**Location**

**SoCal ROC**

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

Phone: 310-224-4200