Perfect Sizing

On-Line Electrical – 32 hours

COST: $269.00

Successful completion of this course results in an ABC certificate and is accepted as Continuing Education towards renewal of a California electrical license.

TO REGISTER**:   Call or email Continuing Education at (858) 513-4700 option 5 or continuinged@abcsd.org.**

Payment: Your tuition will be covered in full if you qualify with Training Funds; otherwise, a credit card will be required for the full tuition.

Complete three (3) self-paced courses in order:

1. **Sizing Motor Circuits:** In this course, electricians learn how size single motor circuits for electrical installation. First, electricians learn about motors, their components, how motors function, and NEC requirements for sizing single motor circuits. Then, they practice all steps needed to accurately perform single motor circuit calculations for three different scenarios.

2. **FAULTLESS:** In this course, you will learn how to coordinate (bring together) information in specific NEC articles, so you can properly select and install the correct electrical circuit components and conductors needed for different load and circuit configurations.

3. **Wiring Motors and Air Conditioners:** In Wiring Motors and Air Conditioners, you'll learn how to size circuits used to supply power to two or more motors. You'll also learn about air conditioning systems involving hermetic refrigerant motor-compressors and how to compare electrical circuit sizing requirements between motors in Code articles 440 and 430. Then, you'll practice all steps needed to accurately perform motor feeder circuit and air-conditioner circuit calculations.

IMPORTANT **TO NOTE:**
- *If you have previously taken the standalone classes "Sizing Motor Circuits" "Faultless" or "Wiring Motors and Air Conditioners," on the current code year (2020), through ABC or WECA, **you should choose a different course for State credit.***
- Students must pass all three (3) final exams to earn credit for this course.
- All course hours <u>must be completed within 90 days of purchase</u> to receive credit.
- A 2020 NEC book is required for this course (not provided or included in the tuition).
- Review the System Requirements below BEFORE you enroll in this class, to make sure your computer is compatible.

Recommended Prerequisites for Journeymen: This course requires strong familiarity with the NEC and on-the-job experience of at least two years.

MINIMUM SYSTEMS REQUIREMENTS:
- Supported Operating Systems: Desktop or Laptop Running Windows XP and later or running Mac OS X and later
- Latest version of Adobe Flash Player installed. Download latest version at: https://get.adobe.com/flashplayer/
- DSL connection or higher
- REQUIRED BROWSER SUPPORT: Internet Explorer 9 and later, Google Chrome 17.0 and later or Safari 5.1 and later
- MOBILE DEVICE SUPPORT: Tablets with IOS 7 or later and Android 4.2.2 or later.
- ***Self-paced courses are not officially supported on smartphones of any kind.***

CANCELLATION POLICY: No refunds or transfers
TUITION COVERED & Class not completed: Full tuition will be deducted from any remaining Training Funds.

QUESTIONS? Please call (858) 513-4700 select option 5.