ONLINE ELECTRICAL CLASSES

PERFECT SOLAR INSTALLATIONS

32-Hours

COST & PAYMENT $269

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

REGISTER NOW

Call or email **Construction Education** at **(858) 513-4700** or **ce@abcsd.org**.
Questions? Call (858) 513-4700, option 5

CANCELLATION POLICY

No refunds or transfers.

TUITION COVERAGE POLICY

In the event of non-completion, full tuition will be deducted from remaining Training Funds.

IMPORTANT NOTES

- A **2020 NEC (70) book is required** for this course (not provided or included in tuition).
- Pass the final exam to earn course credit.
- All course hours must be completed within 90 days of purchase to receive credit.
- Review the System Requirements BEFORE enrolling in this class, to make sure your computer is compatible.

JOURNEYMEN PREREQUISITES

Prerequisites include basic experience with series and parallel connections and calculations, proficiency with the NEC (National Electrical Code), and at least six months of on-the-job experience.

ABOUT THE COURSE

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

This course will take you on a visual and informational journey through Article 690 and Solar Photovoltaic (PV) array wiring methods, from crimping solar connectors to where to mount inverters. You will cover basic installation techniques for solar electrical equipment and a NEC code study of PV arrays.

TOPICS INCLUDE:

- Article 690 Definitions and Diagrams
- Solar Connector Wiring Lab and Video
- **PV Systems & Wiring:** wiring methods, source circuit wiring, sizing, and installation, voltage drop, maximum voltage calculation methods, conductor selections, color coding, and combiner installation
- Overcurrent Protection Sizing and Compliance
- Conduits and Conduit Bodies
- Subject Indexing the NEC for Solar Photovoltaic Systems
- Equipment Markings and Signage

SYSTEM REQUIREMENTS

- **Supported Operating Systems:** Windows XP and later, or Mac OS X and later
- **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 and later, or Android 4.2.2 and later
- Latest version of Adobe Flash Player. Download the latest version at: https://get.adobe.com/flashplayer/
- DSL connection or higher
- *Self-paced courses are not supported on smartphones.*