

ONLINE ELECTRICAL CLASSES

FAULTLESS SOLAR

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](tel:8585134700) or ce@abcscsd.org.
Questions? Call [\(858\) 513-4700](tel:8585134700), 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

- If you have previously taken *Faultless*, *Solar Power for Electricians*, or *Perfect Sizing* on the 2020 code year through ABC or WECA, **choose a different course for State credit.**
- 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

Experience with sizing motor circuits, proficiency with the NEC, and 1+ years 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 combines *Faultless* and *Solar Power for Electricians* into a 32-hour course. Learn to navigate NEC articles to select and install electrical components and conductors for various load and circuit configurations. Then, build on that foundation to master safe, code-compliant installation of residential and commercial Solar Photovoltaic (PV) systems.

You'll also cover array configurations, design features, and essential equipment for grid-tied PV systems, including backup and energy storage. The course addresses 2020 NEC guidelines, including interconnection, disconnects, overcurrent protection, and grounding requirements for all PV system sizes.

TOPICS INCLUDE:

- **Solar Electricity Fundamentals:** Solar Panel Electrical Ratings
- Solar Energy "The Electrical Code"
- **PV Systems:** Types, Electrical Connections, Backup Power
- **PV Circuit Design:** Sizing Circuits

SYSTEM REQUIREMENTS

- DSL connection or higher; Javascript must be enabled
- REQUIRED BROWSER SUPPORT (Latest Versions):**
- Microsoft Edge, Google Chrome, Firefox, or Safari
 - You may need to turn off your browser's pop-up blocker or add [Home | eCampus](#) to your browser's trusted websites.

SCREEN READER SUPPORT (Latest Versions):

- JAWS, NVDA, VoiceOver, TalkBack

MOBILE DEVICE SUPPORT:*

*ABC cannot guarantee course functionality and compatibility with all mobile devices. Having access to a traditional computer as backup is recommended. ABC cannot provide technical support.

- Tablets or phones: Safari or Google Chrome in iOS 7 and later, or Google Chrome in Android OS 6 and later