

Electrician Presentation



Presented by
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ELECTRICIANS

- In this presentation you will learn the benefits this series of electrical courses has to offer. You will see what will be expected of the students and what the students will gain by going through the learning process.
- I have been working as an electrician for the FSUSD and as a CA state Electrical contractor for over 20 years.
- I have taught and trained many people over the years in the electrical field. Many have went on to become productive trades people in the industry.



COURSE SEQUENCE

- **BASIC ELECTRICAL**
- **INTERMEDIATE ELECTRICAL**
- **ADVANCED ELECTRICAL**

BASIC ELECTRICAL OBJECTIVES

- Students will have a working knowledge of Electrical theory, OHM's Law and Kirchoff's current Law.
- Students will learn about the basic electrical tools and how to use them
- Students will be able to identify and use the most common electrical material through lectures and class labs.
- This course will establish the foundation needed to be successful in the next two courses.

INTERMEDIATE ELECTRICAL OBJECTIVES

- This course will continue to build on Electrical theory and the Laws associated with Electricity to reinforce the electrical formulas
- Upon completion you will have a working knowledge of the tools and materials used by Electricians
- Through this course you will work with project Lab boards to build electrical circuits and become familiar with the process of running electrical raceways.

ADVANCED ELECTRICAL OBJECTIVES

- By the completion of this course you will have an understanding of electrical formulas and their uses
- You will be able to complete an electrical project from bidding to final inspection.
- You will have an understanding of life safety systems, their function and basic programming.
- You will learn motor controls, relays and their functions and uses.
- Once completed you will have the understanding and knowledge of the electrical process that you can use to start a career in the electrical industry.

CLASS PROJECTS

During the courses you will complete several class projects:

- Using pre-made and blank project boards you will wire several projects.
- You will wire devices and run electrical raceways on the electrical wall for electrical services and life safety.



CERTIFICATION OPPORTUNITIES

- There are state requirements for individuals who want to work for and as electricians.
- Because of the dangers of electricity the state wants to make sure electricians are trained and equipped.
- You must possess a trainee card or electrical certification card to work for a Journeyman C-10 Electrician.
- We are in the process of getting the electrical program at the Adult School to be state approved so upon completion you will be able to receive your electrical trainee card.

Entry Level Opportunities

- Union
 - This course will help you with the understanding of electrical tools and materials that will increase your knowledge if you choose to become an apprentice in the union.
- Workforce
 - With the T-Card or certification you will be able to work for any C 10 electrical contractor. This course will prep you for the work that you will be required to accomplish during the projects.

California state requires years and hours of experience once these are met you will be able to test and become a state electrical contractor.

OOH HOME | OCCUPATION FINDER | OOH FAQ | OOH GLOSSARY | A-Z INDEX | OOH SITE MAP | EN ESPAÑOL
OCCUPATIONAL OUTLOOK HANDBOOK

Occupational Outlook Handbook > Construction and Extraction >

Electricians

- Summary
- What They Do
- Work Environment
- How to Become One
- Pay
- Job Outlook
- State & Area Data

- [Associated Builders and Contractors, Inc.](#)
- [Explore the Trades](#)
- [Home Builders Institute](#)
- [IBEW – NECA Electrical Training Alliance](#)
- [Independent Electrical Contractors, Inc.](#)
- [National Association of Home Builders](#)
- [National Electrical Contractors Association](#)
- [NCCER](#)
- [O*NET](#)
- [Electricians](#)

Entry Level Wages

The salary for Electricians vary from city to city. You can expect a salary range starting out from \$35,000 to \$60,000 per year depending on level of experience.

QUESTIONS

- This course will equip you with the knowledge to work with a journeyman electrician as a productive apprentice.
- You will gain the knowledge to handle your own electrical projects and troubleshoot electrical issues around your home.
- Questions?