

# Continuing Education Training Class Schedule



ETIedu.org

4675 Viewridge Avenue  
San Diego, CA 92123-1644

Spring 2024 Semester  
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The classes listed in this schedule are designed for I.B.E.W. Local 569 members who wish to further their education. If you are interested in attending Continuing Education Training (CET) classes at the Electrical Training Institute, please read through this schedule and follow the simple registration instructions.

To register for classes:

- 1) **Online** – from the homepage, click on the ATS Student Login button. You need to have an account to login.
- 2) **By telephone: San Diego classes:** (858) 569-6633, select option 3 then 2. **Imperial County classes:** (760) 355-3000.
- 3) New to online registration? Email us at [info@sdett.org](mailto:info@sdett.org)

To download the class schedule, visit [www.etiedu.org/continuing\\_education](http://www.etiedu.org/continuing_education). **Bookstore hours:** 3:30-4:30pm Monday through Friday.

## LEARN WHEN AND WHERE YOU WANT

Our self-paced online course options are designed for flexibility, so you can plan your study time to fit your schedule.

### Lighting Control Association (<https://aboutlightingcontrols.org/EducationExpress/>)

The Lighting Controls Association is proud to offer free, comprehensive online education about lighting controls technology and application. Courses are registered and are recognized as preparation for CALCTP (California Advanced Lighting Control Training Program). Upon completion of the course(s), print and send your course completion certificate(s) to ETI for continuing educational hours to [info@sdett.org](mailto:info@sdett.org).

### ELECTRIC VEHICLE CHARGING SYSTEMS, based on 2017 NEC (EVCS-17)

This computer-based course is self-paced and can be purchased during business hours at any ETI location. The participant is expected to sign up for one of the exam dates once they have completed the online course material and have received their completion certificate from the *electrical training ALLIANCE* (etA). Course material must be purchased and completed prior to the exam date. EVCS certifications will only be issued to CA state-certified general electricians with a passing score on the final exam and submission of a completion certificate from the online course material. Eighteen (18) continuing education hours will be awarded upon course completion.

**NOTE:** This course serves as an instructional primer for the Electric Vehicle Infrastructure Training Program (EVITP) Certification Exam. The course provides an introduction to electric vehicle charging products and associated equipment on the market today. Electrical Workers completing this training go to work with the ability to implement best practices in areas such as charging station equipment, infrastructure site assessment, load calculation, installation, commissioning, and troubleshooting.

Exam Date	Day	Exam Time	Room	Location	Instructor
01/31	Mon	5-8:30pm	102	San Diego	Collier
02/13	Tue	5-8:30pm	102	San Diego	Collier
02/26	Wed	5-8:30pm	102	San Diego	Collier
03/15	Fri	4:30-8pm	102	San Diego	Collier
04/11	Mon	5-8:30pm	214	San Diego	Fieweger
04/15	Fri	5-8:30pm	214	San Diego	Helms

### **AUDIO / VIDEO SYSTEMS**

This course covers components, terminations, basic testing, processing, and installation practices for Audio and Video Systems. This course will include lecture content and hands-on labs.

Day(s)	Start	End	Sessions	Time	Room	Location	Instructor
Thu	01/18	04/11	12	5-8:30pm	110	San Diego	Rossi

*No class on 3/14.*

### **BLUEBEAM**

Launch your document reading, editing, and creating skills into the future with this overview of the Bluebeam software and all that it can do when it comes to digital documentation. Students will learn the basic functionality of the software while getting into the vast assortment of mark up and editing tools. A specific focus will be given to construction-related tools and features.

Day(s)	Start	End	Sessions	Time	Room	Location	Instructor
Tue	02/27	04/02	6	5-8:30pm	112	San Diego	Pendergraft

### **BOOM LIFT & SCISSOR LIFT TRAINING**

This course covers aerial boom and scissor lift hazards, including uneven surfaces, walk around inspection, falls, electric shock, equipment collapse, inclement weather, nearby work, inexperience or improper operation, mechanical defects, and inadvertent operation. Course content also includes hands-on training, applicable regulations, training requirements and key safety practices, as well as the responsibilities of owners, supervisors, and operators. Any worker who is involved in the use and operation of aerial lifts needs this training in order to safely perform aerial lift related tasks. These motorized work platforms are used in a variety of industries, from construction to factory work to shipyards. Proper training includes understanding the regulations and requirements laid out by OSHA, which are covered in this course. *Apprenticeship makeup opportunity: must schedule with Ken Collier prior to attendance.*

Day(s)	Start	End	Sessions	Time	Room	Location	Instructor
Sat	03/23	03/23	1	8am-12pm	201	San Diego	Smart Safety

### **CALCTP (California Advanced Lighting Control Training Program) TECHNICAL**

*PRE-REQUISITE: The prerequisite studies are on the Lighting Controls Association website - modules EE101, EE102, EE103, and EE201 and valid state certification card. Pre-requisites must be submitted a week prior to the start of class.* These courses can be found at [http://aboutlightingcontrols.org/Education\\_Express/welcome.php](http://aboutlightingcontrols.org/Education_Express/welcome.php). For enrollment in CALCTP, applicants must present the certificates of completion for online study and a copy of their state certification card to the Electrical Training Institute prior to enrollment in the CALCTP course. This course is divided into modules consisting of both lecture and lab activities. The module content is organized to answer the following questions about lighting controls: what they are, what they do, where they are used, and how they are installed. Each lecture contains one or more interactive components, including group discussions, device demonstrations and/or calculation exercises. The corresponding lab period, following the lecture, allows the attendee to directly apply what has been learned by installing the devices on specially designed lab boards, under the supervision of the CALCTP-certified instructor(s). The course consists of the online prerequisites, lecture and a final exam. Successful completion of this course is a pre-requisite to enroll in the CALCTP Acceptance Technician certification course.

Day(s)	Start	End	Sessions	Time	Room	Location	Instructor
Tue/Thu	02/27	04/16	15	5-8:30pm	101	San Diego	Canada/Perkins

### **CODE CALCULATIONS: BOX FILL**

This course covers Article 314 of the NEC (National Electric Code) which covers the installation and use of all boxes and conduit bodies, used as outlet, device, junction, or pull boxes. Special emphasis will be put on box fill and box volume calculations. All participants will become familiar with Table 314.16(A) for metal boxes and Table 314.16(B) Volume Allowance Required per Conductor. Students will be taught how to calculate the available space or volume for a given box when there are devices and/or equipment installed or planned to be installed in that box.

*Apprenticeship makeup opportunity: must schedule with Ken Collier prior to attendance.*

Day(s)	Start	End	Sessions	Time	Room	Location	Instructor
Fri	1/26	1/26	1	4:30-8pm	Via Zoom	SD, Imp	Fleckenstein

### **CODE CALCULATIONS: CONDUCTOR AMPACITY**

This course covers Section 310.15 of the NEC (National Electric Code) which covers Ampacities for Conductors Rated 0-2000 volts. All participants will become familiar with Table 310.13 for Conductor Application and Insulation, 310.15(B)(2)(a) Adjustment Factors for More Than 3 Current Carrying Conductors in a Raceway, Table 310.15(B)(6) Conductor Types and Sizes for 120/240, 3-wire, Single Phase Dwelling Services and Feeders.

*Apprenticeship makeup opportunity: must schedule with Ken Collier prior to attendance.*

Day(s)	Start	End	Sessions	Time	Room	Location	Instructor
Fri	02/09	02/09	1	4:30-8pm	Via Zoom	SD, Imp	Fleckenstein

### **CODE CALCULATIONS: RACEWAY FILL**

The NEC Code Calculations: Raceway Fill course covers basic procedures on how to select the proper size raceway based on insulation type, size and number of conductors installed in a raceway. *Apprenticeship makeup opportunity: must schedule with Ken Collier prior to attendance.*

Day(s)	Start	End	Sessions	Time	Room	Location	Instructor
Fri	03/01	03/01	1	4:30-8pm	Via Zoom	SD, Imp	Fleckenstein

### **CODE CALCULATIONS: VOLTAGE DROP**

This course introduces the student to equations used to calculate resistance and voltage drop based on Table 8, Chapter 9 of the NEC (National Electrical Code). All participants will become familiar with Table 8 of Chapter 9, Conductor Properties and Table 310.16 Allowable Ampacities of Insulated Conductors Rated 0 through 2000 Volts. Students will be taught how to calculate the resistance of a given wire size using the resistance equations based on the code book values of Table 8, Chapter 9 and how to use that resistance value to calculate the voltage drop for an electrical circuit. *Apprenticeship makeup opportunity: must schedule with Ken Collier prior to attendance.*

Day(s)	Start	End	Sessions	Time	Room	Location	Instructor
Fri	03/15	03/15	1	4:30-8pm	Via Zoom	SD, Imp	Fleckenstein

### **CONDUIT BENDING**

This course is designed to teach students how to use the different types of benders (Hand Benders, Electric Benders, Hydraulic Benders) and how they work. Students will also be introduced to the different conduit bending tables, trig formulas and how they apply to the different types of benders and given demonstrations on the different procedures in using them. Further, the student will learn the code pertaining to the projects and will learn how to make presentable bends.

Day(s)	Start	End	Sessions	Time	Room	Location	Instructor
Fri	02/02	03/29	8	4:30-8pm	Shop-1	Imperial*	Ceja
Thu	02/29	04/18	8	5-8:30pm	204	San Diego	Mills

*\*Class will be held at the Electrical Training Institute in Imperial, 2420 Imperial Business Park Drive, Imperial, CA 92251*

### **CONFINED SPACE ENTRY HAZARD AWARENESS**

This course teaches workers about the most common hazards found in confined spaces, and about the OSHA standards (29 CFR Part 1926 for construction & 29 CFR Part 1910 for the general industry) that address these hazards. The course also teaches the worker how to use the NIOSH (National Institute for Occupational Safety and Health) Pocket Guide to Chemical Hazards which contains key information and data for 677 chemicals or substances commonly found in the work environment. Participants have learned about safe entry procedures, monitoring principles; entry permits procedures, proper ventilation methods, personal protective equipment, and the roles of the entrant, attendant, and entry supervisor. *Apprenticeship makeup opportunity: must schedule with Ken Collier prior to attendance.*

Day(s)	Start	End	Sessions	Time	Room	Location	Instructor
Fri	04/05	04/05	1	4:30-8pm	Via Zoom	SD, Imp	Helms

### **COPPER STRUCTURED CABLING SYSTEMS**

This course takes students through the history, terminology, terminations, and installation practices of Copper Structured Cabling Systems. This course will include lecture content and multiple hands-on termination labs.

Day(s)	Start	End	Sessions	Time	Room	Location	Instructor
Thu	01/17	04/17	13	5-8:30pm	112	San Diego	Finneran/Overlund

*No class on 01/10, 03/13. Thursday classes on 01/11 & 03/14.*

### **CPR, AED AND FIRST AID FOR ADULTS**

Certification in CPR, AED and First Aid – card is good for two years. Participants learn to recognize several life-threatening emergencies, provide CPR, use of AED, and relieve choking.

<b>Day(s)</b>	<b>Start</b>	<b>End</b>	<b>Sessions</b>	<b>Time</b>	<b>Room</b>	<b>Location</b>	<b>Instructor</b>
Fri	01/12	01/12	1	4:30-8:30pm	2	Imperial*	Berry
Tue	01/16	01/16	1	4:30-8:30pm	203	San Diego	Williams
Wed	01/24	01/24	1	4:30-8:30pm	203	San Diego	Williams
Mon	01/29	01/29	1	4:30-8:30pm	203	San Diego	Williams/Maisano
Fri	02/02	02/02	1	4:30-8:30pm	203	San Diego	Maisano
Thu	02/08	02/08	1	4:30-8:30pm	203	San Diego	Williams
Fri	02/09	02/09	1	4:30-8:30pm	203	Imperial*	Berry
Tue	02/13	02/13	1	4:30-8:30pm	2	San Diego	Williams
Thu	02/15	02/15	1	4:30-8:30pm	203	San Diego	Finneran
Tue	02/20	02/20	1	4:30-8:30pm	203	San Diego	Finneran
Wed	02/21	02/21	1	4:30-8:30pm	203	San Diego	Williams
Thu	02/22	02/22	1	4:30-8:30pm	203	San Diego	Finneran
Mon	02/26	02/26	1	4:30-8:30pm	203	San Diego	Williams
Fri	03/01	03/01	1	4:30-8:30pm	203	San Diego	Maisano
Tue	03/05	03/05	1	4:30-8:30pm	203	San Diego	Maisano
Fri	03/08	03/08	1	4:30-8:30pm	2	Imperial*	Berry
Fri	03/08	03/08	1	4:30-8:30pm	203	San Diego	Maisano
Thu	03/14	03/14	1	4:30-8:30pm	203	San Diego	Maisano
Wed	03/20	03/20	1	4:30-8:30pm	203	San Diego	Maisano
Mon	03/25	03/25	1	4:30-8:30pm	203	San Diego	Maisano
Wed	04/03	04/03	1	4:30-8:30pm	203	San Diego	Maisano
Tue	04/09	04/09	1	4:30-8:30pm	203	San Diego	Maisano
Fri	04/12	04/12	1	4:30-8:30pm	2	Imperial*	Berry
Fri	04/12	04/12	1	4:30-8:30pm	203	San Diego	Maisano
Mon	04/15	04/15	1	4:30-8:30pm	203	San Diego	Maisano

\* Class will be held at the Electrical Training Institute in Imperial, 2420 Imperial Business Park Drive, Imperial, CA 92251

### **ENERGY STORAGE AND MICROGRID TRAINING AND CERTIFICATION (ESAMTAC)**

Energy Storage and Microgrids is an instructor-led face-to-face course that will introduce several methods of storing electrical energy for use at a later time. The main focus of the course is to introduce safe work practices when installing battery storage systems using lead acid and lithium-ion battery chemistries. This instructor-led course will also prepare the student to take the Energy Storage and Microgrid Training and Certification (ESAMTAC) Registered Installer Exam. The Registered Installer Exam is hosted as a separate course exam within the LMS that will be taken upon completion of the Energy Storage and Microgrids course and hands-on labs.

<b>Day(s)</b>	<b>Start</b>	<b>End</b>	<b>Sessions</b>	<b>Time</b>	<b>Room</b>	<b>Location</b>	<b>Instructor</b>
Tue	02/06	04/09	10	5-8:30pm	204	San Diego	Fleckenstein

### **FIRE/LIFE SAFETY & VOICE-DATA-VIDEO CERTIFICATION PREP**

This course is designed to teach the student code navigation skills and test taking strategies to help prepare them for taking the California Voice-Data-Video (VDV) & Fire/Life Safety (FLS) state certification exams.

<b>Day(s)</b>	<b>Start</b>	<b>End</b>	<b>Sessions</b>	<b>Time</b>	<b>Room</b>	<b>Location</b>	<b>Instructor</b>
Tue	01/09	04/16	15	5-8:30pm	Via Zoom	SD, Imp	Suttie

### **MEDIUM VOLTAGE SPLICING**

**PRE-REQUISITE:** *Open to only 5th Year apprentices and Journeymen. There will be class material fees associated with taking this class.* Before understanding how to splice or terminate a cable, the worker must first understand each of the six layers of a medium voltage cable. Sometimes a medium voltage cable is considered to have five layers by a specifier. Module-1 covers hand-taped splices and terminations. This course presents information on several types of cable splices, and different specifications are examined. Different cable types, tools used in splicing, different insulation types, and the various types of insulation shields are covered. The importance of proper cable preparation is explained in detail. This module reviews many theory areas that will benefit all those doing medium voltage work and those preparing to take the National Cable Splicing Certification Board (NCSCB) written examination.

Day(s)	Start	End	Sessions	Time	Room	Location	Instructor
Fri	01/26	04/19	7	5-8:30pm	101	San Diego	Morrison

### **INTRODUCTION TO MOTOR CONTROLS**

This course will re-introduce the student to the basics of electricity; describe the control, operation and uses of each control component, its voltage rating, current and frequency rating. Topics also include rotating machine theory, ladder logic, electromechanical devices, solid-state relays, conventional and solid-state timers, three-phase power systems, and related topics involving industrial applications using basic A.C. and D.C. motors, and basic variable voltage and variable frequency drive wiring and operation.

Day(s)	Start	End	Sessions	Time	Room	Location	Instructor
Wed	02/28	04/10	7	5-8:30pm	202	San Diego	San Martin

### **NFPA-70E, ARC FLASH HAZARD AWARENESS**

This is a comprehensive training session that covers OSHA Standard CFR 1910.331 - 1910-335. This NFPA 70E Electrical Arc Flash Hazard Awareness course will provide the student with the necessary knowledge to make sound decisions and institute safe work practices. Students will learn safe work practices and procedures and as a result, be able to recognize dangerous situations and avoid certain hazards before an incident occurs. They will also learn the safe approach distances to exposed electrical conductors. At the end of this training session, they will be able to determine the proper Personal Protective Equipment (PPE) for most situations or working condition encountered. Every student will leave this class with a much better understanding of the hazards they encounter every day and a newfound respect for electricity.

Day(s)	Start	End	Sessions	Time	Room	Location	Instructor
Fri	01/05	01/12	2	5-8:30p	2	*Imperial	Berry
Fri	03/15	03/22	2	5-8:30pm	208	San Diego	Eagles

*\* Class will be held at the Electrical Training Institute in Imperial, 2420 Imperial Business Park Drive, Imperial, CA 92251*

### **OSHA 10 CONSTRUCTION SAFETY**

The **OSHA 10-hour Construction Industry Outreach** program is intended to provide entry-level construction workers with general awareness on recognizing and preventing hazards on a construction site. This course is designed for construction workers as an ideal orientation for those who are new to the industry and as a reminder to those who have been working in the industry to the hazards associated with their work. The program provides complete information on OSHA compliance issues. OSHA recommends Outreach Training Programs as an orientation to occupational safety and health for workers covered by **OSHA 29 CFR 1926**. Construction workers must receive additional training, when required by OSHA standards, on specific hazards of the job. The OSHA 10 Hour Construction Industry Outreach Training course includes a comprehensive test to ensure understanding of the OSHA safety requirements and regulations.

Day(s)	Start	End	Sessions	Time	Room	Location	Instructor
Thu	03/14	04/04	4	5-8:30pm	Via Zoom	SD, Imp	Dominquez



### OSHA 30/EM-385 CONSTRUCTION HAZARD AWARENESS

The curriculum structure mandated by Fed OSHA is closely followed in the aspects of construction safety. This Cal/OSHA course reviews standards, procedures and policies for construction workers in California. The course also covers GHS Classification and Labeling of Chemicals, general safety awareness, required procedures, content and structure of the USACE Engineering Manual "EM-385-1-1-2008" Safety requirements and the 29 CFR Part 1926 Federal OSHA's Safety and Health Requirements for Construction. To order your free copy: Email [hector.n.hunt@usace.army.mil](mailto:hector.n.hunt@usace.army.mil) and request a FREE copy of the EM-385-1-1 Army Corp of Engineers Safety Manual. Provide your name and mailing address. **Allow 5-7 business days for shipping.** Students are required to order the free textbook and have it available for class.

Day(s)	Start	End	Sessions	Time	Room	Location	Instructor
Mon/Wed	01/08	02/26	14	5-8:30pm	Via Zoom	SD, Imp	Silva
Tue/Thu	01/09	02/22	14	5-8:30pm	Via Zoom	SD, Imp	Mills

### PATHWAY TO ELECTRICAL CERTIFICATION: CODE CALCULATIONS

This part 4 of 5 course series is designed to help the learner prepare for the California State Electrician's Exam. This course focuses on comprehensive training for solving *Code*-related mathematical issues. This course covers lessons related to determining conductor ampacity, finalizing ampacity calculations, performing box size and fill calculations, calculating raceway fill, introduction to electrical load calculations, range and appliance calculations, calculating the parameters of multifamily dwelling loads in accordance with the *NEC*, and calculating the parameters of commercial loads in accordance with the *NEC*. After completing this series of courses, the learner should be well prepared to take the California State Electrician's Exam.

Day(s)	Start	End	Sessions	Time	Room	Location	Instructor
Mon/Wed	03/11	03/27	6	5-8:30pm	211	San Diego	Monahan

### PATHWAY TO ELECTRICAL CERTIFICATION: CODEOLOGY (PLAN, BUILD, USE) BASED ON 2017 NEC

This part 2 of 5 course series is designed to help the learner prepare for the California State Electrician's Exam. This course will help the learner to use and apply an efficient method to categorize and locate requirements in the *National Electrical Code (NEC)*. Through repetition and thorough understanding of the "Build" - "Plan" - "Use" concepts, the learner will gain confidence in using the 2017 *NEC*. After completing this series of courses, the learner should be well prepared to take the California State Electrician's Exam.

Day(s)	Start	End	Sessions	Time	Room	Location	Instructor
Fri	02/02	03/01	4	5-8:30pm	2	Imperial*	Berry
Mon/Wed	01/31	02/12	4	5-8:30pm	211	San Diego	Monahan

*\* Class will be held at the Electrical Training Institute in Imperial, 2420 Imperial Business Park Drive, Imperial, CA 92251*

### PATHWAY TO ELECTRICAL CERTIFICATION: ELECTRICAL REVIEW

This part 1 of 5 course series is designed to help the learner prepare for the California State Electrician's Exam. The course will cover **Cal-OSHA, Safety in Construction** - Will provide entry-level construction safety and awareness information on recognizing and preventing hazards on a construction site. **Basic AC and DC Theory** - Simple series and parallel circuits covered in basic AC and DC current circuit analysis using basic trig and Ohm's Law. The students will demonstrate their new skills by working together to find the unknown voltage, current, resistance and power in a given circuit. **NFPA 70E** - Electrical safe work practices and how to prevent harm from the release of electrical energy. The student will learn safety practices that can be used to minimize and prevent exposure to electrical hazards. **Blueprint Reading, Symbols & Diagrams** - In order to facilitate the making and reading of electrical drawings, certain standard symbols are used. To read electrical drawings, it is necessary to know the meaning of the symbols and to have knowledge of how the equipment operates. **Math for Electricians** - Mathematics used in the electrical and construction trades include topics such as arithmetic, fractions, decimals, percentages, measurements, and an introduction to algebra and trigonometry. This subject will present basic algebra and trigonometry and their application to the solution of practical problems in the electrical construction field with an emphasis on trigonometric solutions to alternating current electrical theory. After completing this series of courses, the learner should be well prepared to take the California State Electrician's Exam.

Day(s)	Start	End	Sessions	Time	Room	Location	Instructor
Mon/Wed	01/17	01/29	4	5-8:30pm	211	San Diego	Monahan

### **PATHWAY TO ELECTRICAL CERTIFICATION: GROUNDING, ARTICLE 250 BASED ON 2017 NEC**

This part 3 of 5 course series is designed to help the learner prepare for the California State Electrician's Exam. This Grounding and Bonding course introduces the student to the basic concepts of grounding, circuit basics, and overcurrent protection. The course then goes on to explain grounding electrodes, equipment grounding conductors, and grounding electrical equipment. Finally, the course explains the requirements for grounding at separate buildings or structures and grounding and bonding communications systems and equipment. During this period of instructions, the student will learn how grounding is used to improve power quality, save lives and prevent damage to plants, buildings and electrical equipment. After completing this series of courses, the learner should be well prepared to take the California State Electrician's Exam.

Day(s)	Start	End	Sessions	Time	Room	Location	Instructor
Fri	03/08	04/19	6	5-8:30pm	2	Imperial*	Berry
Mon/Wed	02/14	03/06	6	5-8:30pm	211	San Diego	Monahan

*No meeting Mon. 2/19. \*Class will be held at the Electrical Training Institute in Imperial, 2420 Imperial Business Park Drive, Imperial, CA 92251*

### **PATHWAY TO ELECTRICAL CERTIFICATION: JOURNEYMAN ELECTRICIAN'S EXAM PREP BASED ON 2017 NEC**

This part 5 of 5 course series is designed to help the learner prepare for the California State Electrician's Exam. This course is designed to help applicants prepare for the journeyman electrician's state or local electrical licensing examinations. This course, in conjunction with the workbook, offers an exam overview, the requirements involved, and preparation strategies. The course is organized in lessons that provide randomized questions from banks, which facilitate efficient exam preparation. These question banks include more than 800 review and sample licensing exam questions and problems based on NEC-related definitions, calculations, and factors associated with specific residential, commercial, or industrial applications along with questions based on general trade knowledge and electrical theory. Complete the course with at least minimum scores to attain a completion certificate, or access randomized quizzes for quick test prep if needed. After completing this series of courses, the learner should be well prepared to take the California State Electrician's Exam.

Day(s)	Start	End	Sessions	Time	Room	Location	Instructor
Mon/Wed	04/01	04/17	6	5-8:30pm	211	San Diego	Monahan

### **PRACTICING LEADERSHIP: FOREMAN DEVELOPMENT SERIES I thru V**

The Foreman Development Series is designed to provide a broad overview of practical, hands-on fundamentals. If you work in the industry long enough, you will find that most Foremen run into the same problems from job to job and come up with similar solutions. These classes are based on current industry "Best Practices"; not any particular management style or IBEW or NECA point of view. The goal of this series is to provide additional tools for the Foreman to use that will compliment both their own skills as an electrician and their company's policies. Things a student learns in these classes will have practical applications the very next day on the jobsite.

Day(s)	Start	End	Sessions	Time	Room	Location	Instructor
Thu	02/22	04/11	8	5-8:30pm	112	San Diego	Hersey

## **TUTORING FOR CA GENERAL ELECTRICIAN STATE CERTIFICATION EXAM**

All those attending will need a copy of the 2020 NEC, a generic calculator, pen/pencil and a notepad to write on. The school (ETI) will provide the computer, a copy of the 2018 NFPA70E Standards for Electrical Safety manual and a CalOSHA Construction Safety Handbook. These tutoring sessions are designed to assist journeyman electricians and senior apprentice electricians in preparing to take the California State Electrical Certification Exam.

For each session, the instructor will cover material from the General Electrician Topic/Subtopic Category list posted on the Cal.gov website. A few of these topics are listed below.

Electrical Theory (AC & DC)  
Safety in Construction (Cal OSHA)  
Blueprint Symbols and Diagrams  
Codeology (Plan, Build, Use)  
Sizing Boxes, Conduit, Conductors and Services  
Code Calculations (Feeder and Branch Circuit Sizing)  
Grounding and Bonding  
NEC Chapter 5 (Special Locations, Special Equipment & Special Conditions)  
Chapter 9 (Tables and Annexes)

All participants will be trained in proper test taking techniques to decrease the amount of time needed to take the state exam. This will also help to decrease test anxieties. Towards the end of each tutoring session, participants will be given a timed practice test to build confidence in test taking. These tests will be taken on a computer to simulate the actual state certification exam. *Apprenticeship makeup opportunity: must schedule with Ken Collier prior to attendance.*

Day(s)	Start	End	Sessions	Time	Room	Location	Instructor
Fri	01/26	01/26	1	4:30-8pm	211	San Diego	Maushardt
Fri	02/09	02/09	1	4:30-8pm	211	San Diego	Maushardt
Fri	02/23	02/23	1	4:30-8pm	211	San Diego	Maushardt
Fri	03/08	03/08	1	4:30-8pm	211	San Diego	Maushardt
Fri	03/22	03/22	1	4:30-8pm	211	San Diego	Maushardt
Fri	04/12	04/12	1	4:30-8pm	211	San Diego	Maushardt

## **TUTORING FOR CA VDV-FLS STATE CERTIFICATION EXAMS**

All those attending will need a copy of the 2020 NEC, a generic calculator, pen/pencil and a notepad to write on, and a copy of the NFPA 72 if they are pursuing the FLS exam. The school (ETI) will have a computer available if needed. These tutoring sessions are designed to assist journeyman sound technicians and senior apprentice technicians in preparing to take the California State VDV or FLS Certification Exams. All participants will be trained in proper test taking techniques to decrease the amount of time needed to take the state exam. This will also help to decrease test anxieties. During each tutoring session, participants will have the opportunity to take a timed practice test to build confidence in test taking. These tests will be taken on a computer to simulate the actual state certification exam. *Apprenticeship makeup opportunity: must schedule with Ken Collier prior to attendance.*

Day(s)	Start	End	Sessions	Time	Room	Location	Instructor
Fri	01/26	01/26	1	4:30-8pm	204	San Diego	Finneran
Fri	02/09	02/09	1	4:30-8pm	204	San Diego	Finneran
Fri	02/23	02/23	1	4:30-8pm	204	San Diego	Finneran
Fri	03/08	03/08	1	4:30-8pm	204	San Diego	Finneran
Fri	03/22	03/22	1	4:30-8pm	204	San Diego	Finneran
Fri	04/12	04/12	1	4:30-8pm	204	San Diego	Finneran



### **YOUR 401K Annuity Plan**

A representative from John Hancock Retirement Plan services will be conducting an education meeting to give you an overview of the Plan, help you make the most of planning for your retirement, and give you a brief overview of the Plan website and tools available to you. Open to all members.

Day(s)	Start	End	Sessions	Time	Room	Location	Instructor
Fri	03/15	03/15	1	4:30-7pm	Via Zoom	SD, Imp	Hancock Retirement Plan

### **YOUR HEALTH & WELFARE & PENSION PLANS**

The San Diego Electrical Health & Welfare Trust and Pension Trust will provide a presentation on Plan Benefits relating to your current healthcare coverage and pension plan. Presentation will include highlights outlining some of the benefits, rules and regulations, Plan provisions, cost-containment programs and relevant information specific to your Plan.

Day(s)	Start	End	Sessions	Time	Room	Location	Instructor
Fri	04/05	04/05	1	4:30-7pm	201	San Diego	Morfoot

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## **NOTICE**

Name of Plan: San Diego Electrical Training Trust  
Plan EIN: 95-3072483  
Plan Administrator: Kevin Johnson

Any employee of any employer contributing to the Apprenticeship and Training Plan may be eligible to enroll in any course or program of study sponsored or established by the Plan.

Any interested individuals can obtain:

- A description of any existing or anticipated future course of study sponsored or established by the Plan
- Information concerning prerequisites for enrolling in such course.
- A description of the procedure by which to enroll in such course
- A copy of this notice

By contacting: San Diego Electrical Training Trust, 4675 Viewridge Avenue, San Diego, CA 92123

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### **CLASS SCHEDULE BY DATE**

Starting Date	Ending Date	Class ID	Description
01/04/24	01/04/24	2024J19901	Job Hazard Analysis for Electricians
01/17/24	01/29/24	2024J17621	Pathway to Electrical Certification: Electrical Review
01/19/24	01/19/24	2024MU0119	Apprentice Makeup Class
01/19/24	01/09/24	2024MU0119IMP	Apprentice Makeup Class Imp Cty
01/24/24	01/24/24	2024J161803	CPR, AED And First Aid For Adults
01/26/24	01/26/24	2024MU0126	Apprentice Makeup Class
01/26/24	01/26/24	2024MU0126IMP	Apprentice Makeup Class Imp Cty
01/26/24	01/26/24	2024J18341	Code Calculations: Box Fill
01/26/24	04/19/24	2024J16191	Medium Voltage Splicing
01/27/24	02/10/24	2024J10051	AP OSHA 10
01/29/24	01/29/24	2024J161804	CPR, AED And First Aid For Adults
01/31/24	01/31/24	2024J16021	Electric Vehicle Charging Station (EVCS)
01/31/24	02/12/24	2024J17391	Pathway to Electrical Certification: Codeology (Plan, Build, Use)
02/02/24	03/29/24	2024J16351	Conduit Bending
02/02/24	02/02/24	2024J161805	CPR, AED And First Aid For Adults

02/02/24	03/01/24	2024J17392	Pathway to Electrical Certification: Codeology (Plan, Build, Use)
02/06/24	04/09/24	2024J18431	Energy Storage and Microgrid Training and Certification (ESAMTAC)
02/08/24	02/08/24	2024J161806	CPR, AED And First Aid For Adults
02/09/24	02/09/24	2024MU0209	Apprentice Makeup Class
02/09/24	02/09/24	2024J18351	Code Calculations: Conductor Ampacity
02/09/24	02/09/24	2024J161807	CPR, AED And First Aid For Adults
02/13/24	02/13/24	2024J161808	CPR, AED And First Aid For Adults
02/13/24	02/13/24	2024J16022	Electric Vehicle Charging Station (EVCS)
02/14/24	03/06/24	2024J17321	Pathway to Electrical Certification: Grounding, NEC Art 250
02/15/24	02/15/24	2024J161825	CPR, AED And First Aid For Adults
02/20/24	02/20/24	2024J161823	CPR, AED And First Aid For Adults
02/21/24	02/21/24	2024J161809	CPR, AED And First Aid For Adults
02/22/24	02/22/24	2024J161824	CPR, AED And First Aid For Adults
02/22/24	04/11/24	2024J17671	Practicing Leadership: Foreman Development Series
02/23/24	02/23/24	2024MU0223IMP	Apprentice Makeup
02/23/24	02/23/24	2024MU0223	Apprentice Makeup Class
02/24/24	03/09/24	2024J10052	AP OSHA 10
02/26/24	02/26/24	2024J161810	CPR, AED And First Aid For Adults
02/26/24	02/26/24	2024J16023	Electric Vehicle Charging Station (EVCS)
02/27/24	04/02/24	2024J16111	Bluebeam
02/27/24	04/16/24	2024J18181	CALCTP Technical
02/28/24	04/10/24	2024J16851	Introduction to Motor Controls
02/29/24	04/18/24	2024J16352	Conduit Bending
03/01/24	03/01/24	2024MU0301IMP	Apprentice Makeup
03/01/24	03/01/24	2024MU0301	Apprentice Makeup Class
03/01/24	03/01/24	2024J18371	Code Calculations: Raceway Fill
03/01/24	03/01/24	2024J161811	CPR, AED And First Aid For Adults
03/05/24	03/05/24	2024J161812	CPR, AED And First Aid For Adults
03/08/24	03/08/24	2024MU0308IMP	Apprentice Makeup
03/08/24	03/08/24	2024MU0308	Apprentice Makeup Class
03/08/24	03/08/24	2024J161813	CPR, AED And First Aid For Adults
03/08/24	03/08/24	2024J161814	CPR, AED And First Aid For Adults
03/08/24	04/19/24	2024J17322	Pathway to Electrical Certification: Grounding, NEC Art 250
03/11/24	03/27/24	2024J17331	Pathway to Electrical Certification: Code Calculations
03/14/24	03/14/24	2024J161815	CPR, AED And First Aid For Adults
03/14/24	04/04/24	2024J17431	OSHA 10
03/15/24	03/15/24	2024MU0315IMP	Apprentice Makeup
03/15/24	03/15/24	2024MU0315	Apprentice Makeup Class
03/15/24	03/15/24	2024J18361	Code Calculations: Voltage Drop
03/15/24	03/15/24	2024J16024	Electric Vehicle Charging Station (EVCS)
03/15/24	03/22/24	2024J17721	NFPA 70E Arc Flash Hazard Awareness
03/15/24	03/15/24	2024J17981	Your 401K Annuity Plan
03/20/24	03/20/24	2024J161816	CPR, AED And First Aid For Adults
03/23/24	04/06/24	2024J10053	AP OSHA 10
03/23/24	03/23/24	2024J17661	Boom Lift & Scissor Lift Training
03/25/24	03/25/24	2024J161817	CPR, AED And First Aid For Adults

04/01/24	04/17/24	2024J17291	Pathway To Electrical Certification: Journeyman Electrician's Exam Prep
04/03/24	04/03/24	2024J161818	CPR, AED And First Aid For Adults
04/05/24	04/05/24	2024MU0405IMP	Apprentice Makeup
04/05/24	04/05/24	2024MU0405	Apprentice Makeup Class
04/05/24	04/05/24	2024J18191	Confined Space Entry Hazard Awareness
04/05/24	04/05/24	2024J17971	Your Pension & Health/Welfare
04/09/24	04/09/24	2024J161819	CPR, AED And First Aid For Adults
04/11/24	04/11/24	2024J16025	Electric Vehicle Charging Station (EVCS)
04/12/24	04/12/24	2024MU0412IMP	Apprentice Makeup
04/12/24	04/12/24	2024MU0412	Apprentice Makeup Class
04/12/24	04/12/24	2024J161820	CPR, AED And First Aid For Adults
04/12/24	04/12/24	2024J161821	CPR, AED And First Aid For Adults
04/15/24	04/15/24	2024J161822	CPR, AED And First Aid For Adults
04/15/24	04/15/24	2024J16026	Electric Vehicle Charging Station (EVCS)
04/19/24	04/19/24	2024MU0419IMP	Apprentice Make up Imperial City
04/19/24	04/19/24	2024MU0419	Apprentice Makeup Class
04/22/24	04/22/24	2024MU0422	Apprentice Makeup Class