

Journeyman Class Schedule



San Diego Electrical Training Center
4675 Viewridge Ave
San Diego, CA 92123

Spring 2012 semester
Vol. 2012-1 tri-annual

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 Journeyman classes at the Training Center, please read through this schedule and follow the simple registration instructions.

Three easy ways to register:

1. **On-line** at www.positivelyelectric.org
2. **By telephone.** Dial (858) 569-6633, ext. 156. For Spanish, dial ext. 301.
3. **Walk-in;** drop by our office and complete a registration form.

Bookstore Information

Books may be purchased on the first night of class when the bookstore is open late. You must be registered in class in order to purchase the materials.
All sales are final.

Bookstore hours

Monday – Friday
7:30 a.m. – 4:30 p.m.

We accept cash or debit/credit cards.
Checks are NOT accepted -



AC THEORY

Day(s)	Dates	# of Sessions	Time	Room	Location	Instructor
F	1/27	1	4:30-8pm	201	San Diego	Collier

BASIC MOTOR CONTROLS

Day(s)	Dates	# of Sessions	Time	Room	Location	Instructor
M	2/27-3/12	6	5-8pm	206	San Diego	Collier

CALCTP (California Advanced Lighting Control Training Program) SYSTEMS COURSE

PRE-REQUISITE: Students must successfully complete and submit all lighting control courses offered by the Lighting Control Association (LCA) and submit CALCTP online certificates, totaling 150 CALCTP points, prior to the 1st night of class. This 12-hour course is designed for mid-level managers, project managers, superintendents, engineers and general foreman. 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 course consists of the online prerequisites, lecture and a final exam.

Day(s)	Dates	# of Sessions	Time	Room	Location	Instructor
SAT	1/21-1/28	2	7:30am-2pm	201	San Diego	Hemingway/Stark/Tabbert

CALCTP (California Advanced Lighting Control Training Program) TECHNICAL COURSE **Start Date changed**

PRE-REQUISITE: Students must successfully complete and submit all lighting control courses offered by the Lighting Control Association (LCA) and submit CALCTP online certificates, totaling 150 CALCTP points, prior to the 1st night of class. The prerequisite studies are on the Lighting Controls Association website - at http://aboutlightingcontrols.org/Education_Express/welcome.php. For enrollment in CALCTP TECHNICAL COURSE, applicants must present the certificates of completion for online study to the Training Center prior to enrollment in the CALCTP course. Also, students must be a state certified general electricians. Proof must be submitted along with completion certificates for online courses.

This course has fifteen (15) sessions and is divided into seven 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 Instructors.

Day(s)	Dates	# of Sessions	Time	Room	Location	Instructor
SAT/MON*	2/4 2/11 thru 5/14	15	Sat 7:30am-2pm Mon 5-8pm	201/210	San Diego	Hemingway/Stark/Tabbert
SAT/TUE*	2/4 2/11 thru 5/8	15	Sat 7:30am-2pm Tue 5-8pm	201/210	San Diego	Hemingway/Stark/Tabbert
SAT/Wed*	2/4 2/11 thru 5/9	15	Sat 7:30am-2pm Wed 5-8pm	201/210	San Diego	Hemingway/Stark/Tabbert
SAT/Thu*	2/4 2/11 thru 5/10	15	Sat 7:30am-2pm Thu 5-8pm	201/210	San Diego	Hemingway/Stark/Tabbert

*Lectures are on Saturdays 2/4 ~~2/11~~ & 2/25. Labs start the week of 2/13.

CODE CALCULATIONS: BOX FILL

Day(s)	Dates	# of Sessions	Time	Room	Location	Instructor
F	3/9	1	4:30-8pm	201	San Diego	Collier

CODE CALCULATIONS: CONDUCTOR AMPACITY

Day(s)	Dates	# of Sessions	Time	Room	Location	Instructor
F	2/10	1	4:30-8pm	201	San Diego	Collier

CODE CALCULATIONS: RACEWAY FILL

Day(s)	Dates	# of Sessions	Time	Room	Location	Instructor
F	2/24	1	4:30-8pm	201	San Diego	Collier

CODE CALCULATIONS: VOLTAGE DROP

Day(s)	Dates	# of Sessions	Time	Room	Location	Instructor
F	3/23	1	4:30-8pm	201	San Diego	Collier

CONDUIT BENDING

Conduit-bending is an art. Through the use of basic formulas, it is possible to accurately layout and bend conduit to exact specifications. Let us take the mystery out of consistent, accurate pipe installations.

Day(s)	Dates	# of Sessions	Time	Room	Location	Instructor
T	3/01-3/08	2	5-8pm	108	San Diego	Collier

CONFINED SPACE ENTRY

Day(s)	Dates	# of Sessions	Time	Room	Location	Instructor
F	5/11	1	4:30-8pm	201	San Diego	Collier

COPPER DATA CABLING

Learn the latest trends in copper data cabling.

Day(s)	Dates	# of Sessions	Time	Room	Location	Instructor
W	02/01	1	5-8pm	101	San Diego	Hitachi Cabling

DC THEORY

Day(s)	Dates	# of Sessions	Time	Room	Location	Instructor
F	01/13	1	4:30-8pm	201	San Diego	Collier

ELECTRICAL REQUIREMENTS FOR HEALTH CARE FACILITIES, NEC ARTICLE 517

This course covers 2008 National Electrical Code (NEC) requirements for electrical installations in health care facilities. Health care facility installations differ from other installations in many important ways. Article 517 addresses areas that involve examination and treatment of patients and includes both permanent and movable facilities. Many specialized definitions that only apply to health care facilities will be explained.

Day(s)	Dates	# of Sessions	Time	Room	Location	Instructor
F	4/27	1	4:30-8pm	201	San Diego	Collier

ELECTRICAL REVIEW

This 10-session class uses Mike Holt's Electrical Exam Preparation book for a comprehensive review of electrical fundamentals and the National Electric Code. Each of the sessions is stand-alone – allowing students to join the class at any point throughout the course. This course covers basic electrical theory with an emphasis on its application under guidelines of the NEC.

Day(s)	Dates	# of Sessions	Time	Room	Location	Instructor
MW	01/23-2/27	10	5-8pm	204	San Diego	Volper

ELECTRICAL VEHICLE INFRASTRUCTURE TRAINING PROGRAM (EVITP)

PREREQUISITE: *Because the lecture and lab work moves along at a challenging pace, all participants must be a state certified general electrician. Must bring current state certification card to the Training Center prior to the first night of class.* The Electrical Vehicle Infrastructure Training Program (EVITP) has been established to provide the Electrical Vehicle Transportation sector of the electrical industry, and all stakeholders, a structured platform to facilitate training and certification for the installation of Electrical Vehicle Supply Equipment (EVSE) across Residential and Commercial/Public markets. The program addresses the technical requirements, safety imperatives and performance integrity of industry partners. Students must pass the hands-on and written to successfully complete the course.

Day(s)	Dates	# of Sessions	Time	Room	Location	Instructor
M	02/27	8	5-8pm	101	San Diego	Stark

FIRE/LIFE SAFETY PREP FOR STATE CERTIFICATION

This course is designed to help you pass the California Fire/Life Safety state certification.

Day(s)	Dates	# of Sessions	Time	Room	Location	Instructor
T	01/10-4/10	14	5-8:30p	111	San Diego	Bressette

FOA COPPER & FIBER OPTICS, ADVANCED

This class covers advanced copper and fiber optics topics. It includes lecture and labs. Fiber optic testing will be covered along with fiber budgets. A FOA Fiber Optic Design certification will be offered for an additional \$30, upon passing the required exam.

Day(s)	Dates	# of Sessions	Time	Room	Location	Instructor
M	01/09-4/16	13	5-8pm	112	San Diego	Wallace

FUSION SPLICING

Learn the latest innovation in fusion splicing and pigtail splicing.

Day(s)	Dates	# of Sessions	Time	Room	Location	Instructor
W	02/22	1	5-8pm	101	San Diego	Sumitomo Electric

GROUNDING AND BONDING - TELECOM

Learn the latest in grounding and bonding within the Telecom Industry.

Day(s)	Dates	# of Sessions	Time	Room	Location	Instructor
W	02/15	1	5-7pm	201	San Diego	Chatsworth Products

LOW VOLTAGE TESTERS *ADDED CLASS*

Learn the latest in grounding and bonding within the Telecom Industry.

Day(s)	Dates	# of Sessions	Time	Room	Location	Instructor
W	3/07	1	5-7pm	101	San Diego	Ideal Industries

NPFA-70E, ARC FLASH HAZARD AWARENESS

This class covers advanced copper and fiber optics topics. It includes lecture and labs. Fiber optic testing will be covered along with fiber budgets. A FOA Fiber Optic Design certification will be offered for an additional \$30, upon passing the required exam.

Day(s)	Dates	# of Sessions	Time	Room	Location	Instructor
T	02/28	1	5-8pm	109	San Diego	Oberon Company
W	03/14	1	5-8pm	101	San Diego	Oberon Company

OSHA 10

This course covers the following topics: Introduction to OSHA, OSH Act, inspections, citations, and penalties; walking and working surfaces, means of egress and fire protection, electrical flammable and combustible liquids, personal protective equipment, machine guarding, hazard communication, introduction to industrial hygiene/blood borne pathogens and health & safety programs. Upon successful completion of this course, the official OSHA course completion wallet card will be sent to you.

Day(s)	Dates	# of Sessions	Time	Room	Location	Instructor
M	1/23-2/13	4	5-8p	201	San Diego	Collier
T	1/24-2/14	4	5-8p	201	San Diego	Collier

OSHA 30

This 30 hour Cal/OSHA course reviews standards, procedures and policies for construction workers in California. Upon successful completion, student will receive a 30 Hour Outreach card

Day(s)	Dates	# of Sessions	Time	Room	Location	Instructor
WTh	1/25-2/23	10	5-8:30p	201	San Diego	Collier
TW	2/28-3/28	10	5-8:30p	201	San Diego	Collier

PHOTOVOLTAICS I: INTRODUCTION

This course will cover the following topics: solar radiation, site surveys, system components, cells & modules, batteries & charge controllers, inverter technology, system sizing, utility interconnection/SDG&E requirements, troubleshooting and wiring diagrams.

Day(s)	Dates	# of Sessions	Time	Room	Location	Instructor
T	1/10	14	5-8PM	214	San Diego	Laudenslager

PREPARATION FOR JOURNEYMAN SOUND TECHNICIAN EXAM

This course prepares a qualified soundman to take the IBEW Soundman exam.

Day(s)	Dates	# of Sessions	Time	Room	Location	Instructor
T	3/6-4/3	5	5-8p	204	San Diego	Wallace

REFRESHER FOR BASIC CPR AND FIRST AID FOR ADULTS

This course is a RENEWAL course for those who need to refresh their CPR/First Aid skills and renew their CPR/First Aid card. Recertification in First Aid and CPR – card is good for two years. A \$40 deposit is required to be officially enrolled in the class (see deposit due dates below). Deposit will be refunded upon successful completion of the class.

Day(s)	Dates	Deposit Due Date	# of Sessions	Time	Room	Location	Instructor
T	2/21	2/13	1	5-7:30pm	201	San Diego	PTC
W	2/22	2/13	1	5-7:30pm	201	San Diego	PTC
T	4/03	3/26	1	5-7:30pm	201	San Diego	PTC

RIGGING/CRANE SAFETY

This course will cover risk management and the basic rigging plan; basic rigging principles and load control; loads on rigging and the rigging triangle; application of hardware and application of slings; crane safety.

Day(s)	Dates	# of Sessions	Time	Room	Location	Instructor
Fri	5/18	1	4:30-8pm	201	San Diego	Collier

TRANSFORMER TESTING & MEGGERING – DATE CHANGES

LOTO, how insulation resistance is measured, factors affecting insulation resistance reading, test voltage vs. equipment rating, basic meter use and meter safety (megohm meter & digital multimeter), how to connect test instruments for safe testing of electrical equipment, test using multi-voltage megger insulation testers.

Day(s)	Dates	# of Sessions	Time	Room	Location	Instructor
F	4/7 4/27	1	4:30-8p	201	San Diego	Collier
T	3/29 2/21	1	5-8p	201	San Diego	Collier

Electrician Trainee (ET) Classes

Date: March 6, 2012—June 7, 2012, T/Th (ET 101)
March 5, 2012 – June 6, 2012, M/W (ET 102)

Time 5:00 PM—8:00 PM

Place: San Diego Electrical Training Center
4675 Viewridge Avenue
San Diego, CA 92123

Cost: Contact Training Trust

How to register for the class*:

- **COMPLETE** the ET Program Class Sign-up Form.
- **PAY TUITION FEE.** Payment is due at the time of sign-up and can be paid via cash, money order, VISA or MasterCard. Make money order payable to San Diego Electrical Training Trust.
- **SUBMIT FORM AND PAYMENT TO SAN DIEGO ELECTRICAL TRAINING TRUST in person or by mail:** 4675 Viewridge Avenue, San Diego CA 92123. (858) 569-6633.
- Enrollment letter and confirmation will be sent upon payment & registration into class. Keep a copy of this letter as proof that you are enrolled in a state-approved ET program.
- **REGISTER WITH THE STATE OF CALIFORNIA AS AN ELECTRICIAN TRAINEE.** Complete the State ET Application form, if you are not registered as an Electrician Trainee. Staple a copy of your enrollment confirmation letter to the completed State ET Application form with a check or money order of \$25. The San Diego Electrical JATC's "school number" is 116.

**ET Class is only open to IBEW Local 569 members or trainees who are registered with IBEW Local 569 and maintain active status on at least one of the books (i.e., utility tech).*

For assistance, call the Training Center (858) 569-6633 ext. 111 or email info@positivelyelectric.org

San Diego Electrical Training Trust
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