



**Online courses**  
 Get state-approved continuing education at [www.340jatic.org](http://www.340jatic.org) and click Online Courses to get started.

- These courses are open to members of IBEW Local 340, travelers, and NECA.
- Classes held at the Sacramento Center/JATC, 2836 El Centro Road, unless otherwise noted.
- Courses are filled based upon the order we receive the completed registration.
- Priority is given to those who provide \$25 deposits (per course); refundable upon course completion.
- Complete the registration form and submit to the address shown. Retain a copy for your information.
- You can also enroll online at: [www.340jatic.org](http://www.340jatic.org)
- You will be contacted only if the class is already full. For additional information, call 916-646-6688.

## Enrollment Form

**Submit to: WINTER/SPRING 2019 Registrations**  
 Sacramento Electrical Training Center/JATC  
 2836 El Centro Rd, Sacramento, CA 95833

### 1: Fill in your information

Name: \_\_\_\_\_ Phone: \_\_\_\_\_

Street Address or P.O. Box: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Last 4 digits of Social Security Number (for recording course completions): \_\_\_\_\_

### 2. Check the course(s) requested EMAIL:

<b>Lighting Essentials</b> <ul style="list-style-type: none"> <li>• EE101 Introduction to Lighting Control</li> <li>• EE102 Switching Control</li> <li>• EE103 Fluorescent Dimming</li> <li>• EE201 Daylight Harvesting</li> </ul>	<input type="checkbox"/> This is a free online course. No course deposit is required. We will send you the internet address upon enrollment. Provide the completion summary to the Training Center office for entry onto your transcript.	10 hours
<b>Instrumentation Introduction - Module 1</b> Intro to basic instrumentation topics such as math, science, electrical theory, meters, measurements, vocabulary, and process and instrumentation diagram interpretation. This is prerequisite info in order to be successful in the full, instructor-led course, consisting of Modules 2 and 3. It is not intended to be used a sole preparation for any type of accreditation exam.	<input type="checkbox"/> This is an online course. Contact the Training Center for enrollment. Deposits for this class are deposited upon enrollment. Notify the Training Center after satisfactorily completing the course (75% or higher) for entry onto your transcript and a refund of your \$25 enrollment fee.	8 hours
<b>3-Way &amp; 4-Way Switching Refresher</b> Review of drawing and labeling 3- and 4-way switch circuits and GFCI's with hands-on practice of circuit installation. <i>Note: This is one of the courses in Pending Exam series.</i>	<input type="checkbox"/> Feb 19, Tuesday, 5 – 8 pm	3 hours
<b>Motor Control Refresher</b> Review of drawing & labeling the components of a basic motor control circuit with hands-on wiring of a stop-start-jog circuit. <i>Note: This is one of the courses in Pending Exam series.</i>	<input type="checkbox"/> Feb 21, Thursday, 5 – 8 pm	3 hours
<b>Conduit Bending Refresher</b> Bending 90's, offsets at 30°, 45°, and 60°. 3 and 4 point saddles using the arrow method <i>Note: This is one of the courses in Pending Exam series.</i>	<input type="checkbox"/> Feb 26 & 28, Tues/Thurs, 5 – 8 pm	6 hours
<b>Advanced Industrial Controls</b> Topics covered are relevant NFPA 70E Safety, PPE, PI&D Control, Torque Control, Constant Control, Local vs External Use, Min & Max Hz, Harmonics & Noise, Parameter Tuning, Flux Braking via VFD, Accel/Decel Control, & Commissioning. <i>Note: enrollment cutoff is 3 weeks prior to class date. Insufficient enrollment can lead to class cancellation. Pre-requisite course: Intro to Industrial Controls</i>	<input type="checkbox"/> March 2 & 9, Saturdays, 7:30 am – 4 pm	16 hours
<b>OSHA-10</b> Certification on 10 different safety topics to convey the knowledge, skills and abilities to identify and mitigate hazards.	<input type="checkbox"/> March 2 & 9, Saturdays, 7:30 am – 2 pm	10 hours
<b>Ohm's Law Refresher</b> Review of Ohm's Law and calculating voltage, amperage, and resistance in series, parallel or combination circuits. <i>Note: This is one of the courses in Pending Exam series.</i>	<input type="checkbox"/> March 5, Tuesday, 5 – 8 pm	3 hours

Name: \_\_\_\_\_

Phone: \_\_\_\_\_

<b>State Certification Test Preparation</b> This is an in-depth preparatory course for electrician's state certification covering basic electrical formulas and an in-depth review of the current National Electrical Code.	<input type="checkbox"/> March 5 – March 28, Tues/Thurs 5 – 8 pm	24 hours
<b>Panel Make-Up &amp; Bonding Refresher</b> Topics and definitions of "bonding" vs. "grounding" and the importance of proper conductor size, color, and termination. <i>Note: This is one of the courses in Pending Exam series.</i>	<input type="checkbox"/> March 7, Thursday, 5 – 8 pm	3 hours
<b>3-Phase Transformers Refresher</b> Review of 3-phase delta and wye transformers focusing on the primary and secondary hook-up of each transformer. <i>Note: This is one of the courses in Pending Exam series.</i>	<input type="checkbox"/> March 12, Tuesday, 5-8 pm	3 hours
<b>NFPA 70E/Arc Flash Protection</b> Electrical safety work practices for Hazard Risk Evaluation, Arc Flash, Approach boundaries, Job Briefing, Permits, and PPE.	<input type="checkbox"/> March 16, Saturday, 7:30 am – 4 pm	8 hours
<b>Effective Project Planning (EPP)</b> Project planning: plan analysis, specs, submittals, take-offs & detailing of blueprints, establishing site elevations, and hands-on training with an actual job for job sequencing and planning.	<input type="checkbox"/> April 30 – May 16, Tues/Thurs, 5-8 pm	18 hours
<b>CALCTP Advanced Lighting Controls Certification</b> How to install lighting controls, lamp/ballast systems, line/low voltage switching controls, dimming controls, occupant sensors, photo-sensors and controllers, demand response controls, etc. <i>Note: This class has a 10-12 hour online prerequisite. Please contact us and we will explain how to complete the online course. Open to JW only.</i>	<input type="checkbox"/> April 2-3, Tues/Wed, 7:30 am – 4 pm	16 hours
<b>2019 Electrical Trade Show &amp; Exposition</b> No pre-enrollment required <i>Will be held at the IBEW located at 10240 Systems Parkway, Sacramento</i>	<input type="checkbox"/> April 3, Wednesday, 4 – 6 pm,	2 hours
<b>Power Generation-Transmission-Distribution</b> Learn of the various systems that comprise Generation – Transmission – Distribution of three phase power: individual systems of the required sequence of operation in power generation and how power plants are designed and maintained. Attention will be given to generator theory, true power vs apparent power; VAR & Pf control	<input type="checkbox"/> April 6 & 13, Saturday, 7:30 am – 4 pm	16 hours
<b>CPR &amp; First Aid</b> Job-site skills in CPR and First Aid providing 2 year certification.	<input type="checkbox"/> April 6, Saturday, 7:30 am – 4 pm	8 hours
<b>OSHA-30 for Construction Industry</b> OSHA Standards, Focus Four Hazards, Personal Protective Equipment, Health Hazards, Stairways/Ladders, and 6 more topics. Participants receive a certified OSHA-30 completion card.	<input type="checkbox"/> April 23 – May 23, Tues/Thurs, 5 – 8:30 pm	30 hours
<b>CPR/First Aid Re-Certification</b> Re-certification course for those with 2-year certification.	<input type="checkbox"/> April 27, Saturday, 7:30 am - 11:30 am	4 hours
<b>Rigging</b> Safe operation of rigging equipment including proper rigging technique, theory, tool selection, and sling angle factor.	<input type="checkbox"/> April 27, Saturday, 7:30 am – 4 pm	8 hours
<b>Data Center Systems &amp; Operations</b> Knowledge of schematics, theory, UPS systems, generator systems, power systems redundancy, predicting the likelihood of equipment failure and a basic program for clearly identifying problems. Diagram analysis for troubleshooting will be practiced.	<input type="checkbox"/> May 4 & 11, Saturday, 7:30 am – 4 pm	16 hours
<b>CALCTP Acceptance Testing Certification</b> On Jan 1, 2014, Title 24 requires acceptance testing of most advanced lighting controls by certified Acceptance Testers. <i>Note: Open only to members who are already CALCTP certified.</i>	<input type="checkbox"/> June 18-20, Tues/Wed/Thurs, 7:30 am - 4 pm	24 hours

*Note: Evening Classes are not held on the 1<sup>st</sup> Wednesday of each month to support attendance at the union meeting.*

AutoCad and Welding classes are available through American River College. The JATC Trust will reimburse a member's cost for tuition and actual book fees (not to exceed \$100) for successfully completing (C or better) the class at a community college. The member must submit receipts for tuition and books and proof of completion of the course.