

# 2017 Fall Continuing Education Class Schedule

## Aerial Lift Safety

S&C Technician Eligible Class

Day(s): Tuesday / Thursday 2 Sessions

Time: 5:00 PM – 8:00 PM

CE Hours: 6 Hours

Date(s): September 19 & September 21, 2017

Class Size: 20 Maximum

Instructor(s): Joseph Buhowsky

Room: 112

Description: Construction workers have the highest number of deaths among major industry groups. Aerial Lift incidents account for a significant portion of these deaths. You will learn the current best practices on how to operate and work safely from an aerial lift.

Required Material(s): No Material / No Costs

\$0.00

## Advanced Lighting Control (CALCTP)

Day(s): Saturday 7 Sessions

Time: 8:00 AM – 4:30 PM 8:00 AM – 12:00 PM (October 28, 2017)

CE Hours: 52 hours

Date(s): September 16 – October 28, 2017

Class Size: 20 Maximum

Instructor(s): Joe Buhowsky

Room: 113

Description: Hands-on instruction for the Journeyman Electrician. This class will focus on the installation and commissioning of the latest efficiency lighting device and control systems for energy management. Labs will utilize the latest devices from Lightolier, Lutron, Wattson and GE. After completion of hours and final exam the student will be CALCTP State Certified. Certificates will be issued 6 to 8 weeks after class has ended.

Pre-Requisites: **Must be California State Certified.**

**Complete the following Prior to beginning class:**

Log into the website: <http://lightingcontrolsassociation.org>

Click "Education Express: on the right hand side of the screen.

Register (Click here to register)

After you have created your log in information, log in and complete the following modules: EE101 / EE102 / EE103 / EE201

*If you are unable to register, the instructor will assist you on the first session of class and discuss how to printout your results.*

Required Material(s): Advanced Lighting CALCTP Training Material Thumb Drive

\$5.00

## Advanced Lighting Control-Acceptance Technician (CALCTP-AT)

Day(s): Saturday 2 Sessions

Time: 8:00 AM – 4:30 PM

CE Hours: 16 hours

Date(s): December 2 & December 9, 2017

Class Size: 20 Maximum

Instructor(s): Joe Buhowsky

Room: 113

Description: Lighting controls acceptance testing, introduction and installation requirements, acceptance test procedures, exercises and laboratory sessions, review and exam. State registration fee required. Certificates will be issued 6 to 8 weeks after class has ended.

Prerequisite(s): **Must be CALCTP Certified.**

**Must Pre-resister:**

<https://www.calctp.org/acceptance-technicians-become>

Letter of Acceptance from CALCTP.org must be provided at time of JATC registration.

Required Material(s): Thumb Drive

\$5.00

# 2017 Fall Continuing Education Class Schedule

## Building Automation Installation

<b>Day(s):</b>	Tuesday	11 Sessions
<b>Time:</b>	5:00 PM – 8:00 PM	
<b>CE Hours:</b>	33 Hours	
<b>Date(s):</b>	August 22 – October 31, 2017	
<b>Make-up:</b>	November 7, 2017	
<b>Class Size:</b>	20 Maximum	
<b>Instructor(s):</b>	David Gilfillan	
<b>Room:</b>	119	
<b>Description:</b>	Introduction to Building Automation Systems. The student will gain experience in wiring and integration of different building systems. Hands-on labs feature a variety of technologies including Lonworks, Bacnet and Legacy. Class time will focus on hands-on exercises that provide the skills necessary for success when working on Building Automation Systems.	
<b>Required Material(s):</b>	Building Automation Textbook	\$75.00
	Building Automation Student Workbook	\$30.00
	Alameda JATC Building Automation Materials (Portfolio)	\$ .00
		<hr/> <b>\$105.00</b>

## Code Changes and Review (2014 NEC)

S&C Technician Eligible Class		
<b>Day(s):</b>	Saturday	1 Session
<b>Time:</b>	8:00 AM to 2:30 PM	
<b>CE Hours:</b>	6 hours	
<b>Date(s):</b>	October 14, 2017	
<b>Class Size:</b>	20 Maximum	
<b>Instructor(s):</b>	Dan Holgate	
<b>Room:</b>	104	
<b>Description:</b>	The 2014 NEC (2016 CEC) has been adopted and is the code currently enforced. Typical to the 3-year code cycle, Sections are revised, new Sections and Articles are added to support emerging technologies and conform to current safety research. This class is an attempt to provide both a preview of coming attractions in the NEC, and to place this new material in the context of our existing code knowledge.  The class will draw upon the instructor's experience as a building inspector, JATC instructor and illustrated by the many pictures that have been taken of building projects at UC Berkeley. Discussion and questions are encouraged, so that everyone's experience may benefit the class.	
<b>Required Material(s):</b>	2014 National Electrical Code	<hr/> <b>\$85.00</b>

## Computer Basics-Excel, Outlook & Word

S&C Technician Eligible Class		
<b>Day(s):</b>	Saturday	1 Session
<b>Time:</b>	8:00 AM – 3:00 PM	
<b>CE Hours:</b>	6.5 hours	
<b>Date(s):</b>	TBD	
<b>Class Size:</b>	10 Maximum	
<b>Instructor(s):</b>	Jason Kaneko / Deanna Murchison	
<b>Room:</b>	109	
<b>Description:</b>	This class will provide you with the ability to create and edit a basic worksheet, form simple calculations and formatting basics, send and respond to email, as well as maintain your contacts, calendar, schedule meetings, and work with tasks and notes. You will be introduced to simple word processing, and techniques for performing basic editing functions in a document, creating, naming, saving and opening/closing files.	
<b>Required Material(s):</b>	Alameda JATC Computer Training Materials (includes meal)	<hr/> <b>\$15.00</b>

# 2017 Fall Continuing Education Class Schedule

## Conduit Bending Fabrication

**Day(s):** Tuesday 11 Sessions

**Time:** 5:00 PM to 8:00 PM

**CE Hours:** 33 hours

**Date(s):** August 15 – October 24, 2017

**Holiday(s):**

**Class Size:** 10 Maximum

**Instructor(s):** Jimmy Peterson

**Room:** 125

**Description:** This hands-on course will provide the training necessary for bending ½" to 4" EMT and rigid conduit with the use of hand benders, mechanical (Chicago) benders and hydraulic benders. **Bring your: tape measure, torpedo level, protractor, pencil, calculator and anti-dog level.** The Tool Lab has been equipped with several multi-level trapezes with three large gutters, to simulate real life situations that may be encountered on the job.

**Required Material(s):** Alameda JATC Conduit Bending Training Materials / Composition Book

**\$25.00**

Electricians Guide to Conduit Bending-3<sup>rd</sup> Edition

**\$15.00**

**\$40.00**

## Confined Space Training

S&C Technician Eligible Class

**Day(s):** Saturday 1 Session

**Time:** 8:00 AM to 4:30 PM

**CE Hours:** 8 hours

**Date(s):** December 16, 2017

**Class Size:** 15 Maximum

**Instructor(s):** Joseph Buhowsky

**Room:** 112

**Description:** On May 1, 2015 the Confined Spaces in Construction Standard was issued (OSHA Subpart AA, 1926, 1200). This course will cover permit and non-permit confined space safe entry requirements, OSHA regulations and protective equipment. Class includes use of air sampling device ventilation equipment and confined space entry with retrieval equipment.

*This training does not qualify employees to enter Permit-Required Confined Spaces.*

**Required Material(s):** Alameda JATC Confined Space Training Material

**\$25.00**

## CPR / First Aid

S&C Technician Eligible Class

**Day(s):** Saturday 1 Session

**Time:** 8:00 AM – 2:00 PM

**CE Hours:** 6 hours

**Date(s):** Class 1: September 23, 2017

**Date(s):** Class 2: October 7, 2017

**Date(s):** Class 3: November 4, 2017

**Class Size:** 12 Maximum

**Instructor(s):** Paul Rodgers

**Room:** 104

**Description:** Certification in emergency response CPR and Basic First Aid.

**Required Material(s):** CPR/First Aid/ Card(s)

**\$20.00**

Alameda JATC CPR/First Aid Training Materials

**\$15.00**

**\$35.00**

# 2017 Fall Continuing Education Class Schedule

## Fire Alarm Hands-On & Code

S&C Technician Eligible Class

**Day(s):** Saturday 2 Sessions

**Time:** 8:00 AM to 2:00 PM

**CE Hours:** 12 hours (6 hours lecture, 6 hours lab)

**Date(s):** **October 14 & October 28, 2017**

**Class Size:** 20 Maximum

**Instructor(s):** Donald Dones

**Room:** 114

**Description:** Students will pull wire, terminate, activate and troubleshoot a fire alarm system. This class will help prepare the student for the CA state Fire Alarm Certification. Topics include the placement and utilization of equipment.

**Required Material(s):** NFPA 72 National Fire Alarm Code Book (2013 edition)

**\$100.00**

## Fire Alarm Hands-On & Programming-Advanced 1

S&C Technician Eligible Class

**Day(s):** Saturday 3 Sessions

**Time:** 8:00 AM to 2:00 PM

**CE Hours:** 18 hours

**Date(s):** **November 4 – November 18, 2017**

**Class Size:** 10 Maximum

**Instructor(s):** Donald Dones

**Room:** 114

**Description:** Advanced maneuvering through the 2013 NFPA Code Book, and advanced wiring and programming of Fire Alarm Systems.

**Prerequisite(s):** *Fire Alarm Hands-On & Code*

**Required Material(s):** No Materials / No Cost

**\$0.00**

## Motor Control-Beginning

**Day(s):** Tuesday 12 Sessions

**Time:** 5:00 PM to 8:00 PM

**CE Hours:** 36 hours

**Date(s):** **September 5 – November 28, 2017**

**Holiday:** **October 31, 2017**

**Class Size:** 16 Maximum

**Instructor(s):** Arthur (Chico) Hernandez

**Room:** 120

**Description:** Lecture and hands-on training/basic wiring on magnetic motor starters, motors, timers, replay, control devices along with NEC Article 430.

**Required Material(s):** Understanding Basic Motor Controls Textbook  
Training Materials, Composition Book

**\$42.00**

**\$3.00**

**\$45.00**

# 2017 Fall Continuing Education Class Schedule

## NFPA 70E / Arc-Flash Training-(Week Day)

S&C Technician Eligible Class

**Day(s):** Tuesday / Thursday 5 Sessions

**Time:** 5:00 PM – 8:00 PM

**CE Hours:** 15 hours

**Date(s):** August 29 – September 12, 2017

**Class Size:** 20 Maximum

**Instructor(s):** Joe Buhowsky

**Room:** 112

**Description:** If you do not fully understand 70E you are putting your crew, company and client at risk. This course will focus on the NFPA 70E: Standard for Electrical Safety in the Workplace (2015). Topics include hazard assessment, who's responsible, justification for energized work, energized electrical work permits, PPE selection and limitations. "Safety Training" is required every 3 years to be considered a "Qualified Person".

NECA Members Encouraged to Attend

**Required Material(s):** NFPA 70E Standard for Electrical Safety in the Workplace Code Book (2015) **\$65.00**

## NFPA 70E / Arc-Flash Training

S&C Technician Eligible Class

**Day(s):** Saturday 2 Sessions

**Time:** 8:00 AM – 4:30 PM

**CE Hours:** 16 hours

**Date(s):** November 4 & November 18, 2017 Holiday: November 11, 2017

**Class Size:** 20 Maximum

**Instructor(s):** Joe Buhowsky

**Room:** 112

**Description:** If you do not fully understand 70E you are putting your crew, company and client at risk. This course will focus on the NFPA 70E: Standard for Electrical Safety in the Workplace (2015). Topics include hazard assessment, who's responsible, justification for energized work, energized electrical work permits, PPE selection and limitations. "Safety Training" is required every 3 years to be considered a "Qualified Person".

NECA Members Encouraged to Attend

**Required Material(s):** NFPA 70E Standard for Electrical Safety in the Workplace Code Book (2015) **\$65.00**

## OSHA-10

S&C Technician Eligible Class

**Day(s):** Saturday 2 Sessions

**Time:** 8:00 AM to 2:30 PM

**CE Hours:** 12 hours

**Date(s):** August 19 & August 26, 2017

**Class Size:** 20 Maximum

**Instructor(s):** Jimmy Peterson

**Room:** 125

**Description:** This course will familiarize student with occupational and health hazards related to the construction industry.

OSHA-10 card issued upon successful completion of all classes.

**Required Material(s):** Alameda JATC OSHA-10 Training Materials **\$15.00**

# 2017 Fall Continuing Education Class Schedule

## OSHA-30

S&C Technician Eligible Class

**Day(s):** Saturday 5 Sessions (including OSHA-10)

**Time:** 8:00 AM – 3:30 PM

**CE Hours:** 32 hours

**Date(s):** August 19, August 26, September 2, September 9, & September 16, 2017

**Class Size:** 20 Maximum

**Instructor(s):** Jimmy Peterson

**Room:** 125

**Description:** This course will familiarize student with occupational and health hazards related to the construction industry.

*OSHA-30 card issued upon successful completion of all classes.*

**Prerequisite(s):** Must Attend the OSHA-10 Sessions above unless you have taken OSHA-10 within the same semester (6-months) with the same instructor.

**Required Material(s):** Alameda JATC OSHA-30 Training Materials (Same as OSHA-10)

**\$15.00**

## Rigging

**Day(s):** Saturday 3 Sessions

**Time:** 8:00 AM to 2:30 PM

**CE Hours:** 18 hours

**Date(s):** August 26, 2017 – September 9, 2017

**Class Size:** 20 Maximum

**Instructor(s):** Kurt Dembrowicz

**Room:** 119

**Description:** Students will become an OSHA qualified rigger according to OSHA 1926. It's a lifetime certification. You must pass the final test with a 75% or higher to receive credit for the class and certification. Learn how to rig forklifts, boom trucks, digger derricks, and cranes. Certification and Certificates will be issued. **Certificates will be issued approximately 2 – 3 weeks after class has ended.**

NJATC Rigging Textbook, Workbook, Certification and Pocketsize Rigging

**Required Material(s):** Information Card

**\$90.00**

## Solar Photovoltaics-1 (2014 NEC)

**Day(s):** Tuesday / Thursday / Saturday 9 Sessions

**Time:** 5:00 PM – 8:00 PM (Tuesday & Thursday)

8:00 AM to 4:30 PM ((1) Saturday))

**CE Hours:** 32 hours

**Date(s):** September 5 – September 28, 2017 & October 7, 2017

**Class Size:** 14 Maximum

**Instructor(s):** Bill Kenney

**Room:** 121

**Description:** This course will teach electricians how to design, install and maintain a Solar Photovoltaic Systems on a residential or commercial building.

**Required Material(s):** Understanding NEC requirements for Solar Photovoltaic Systems Textbook  
Solar Photovoltaics Instruction Materials (including shortcut Thumb Drive)

**\$60.00**

**\$10.00**

**\$70.00**

# 2017 Fall Continuing Education Class Schedule

## Solar Photovoltaics-2 (2014 NEC)

Day(s): **Saturday** 4 Sessions

Time: 8:00 AM to 4:30 PM (Saturday)

CE Hours: 32 hours

Date(s): **August 26, September 9, September 23 and October 7, 2017**

Make-up Date: **September 30, 2017**

Class Size: 14 Maximum

Instructor(s): Bill Kenney

Room: 121

Description: This course will teach electricians how to design, install and maintain a Solar Photovoltaic Systems on a residential or commercial building.

**Required Material(s):** Understanding NEC requirements for Solar Photovoltaic Systems Textbook **\$60.00**  
Solar Photovoltaics Instruction Materials (Thumb Drive) **\$10.00**  
**Contains the identical curriculum as class listed above.** **\$70.00**

## State Exam Prep Class-Week Day (2014 NEC)

Day(s): Tuesday/Thursday 4 Sessions

Time: 5:00 PM to 8:00 PM

CE Hours: 0 hours (These hours do not contribute to the 32 hours required for re-certification).

Date(s): **November 7 - November 16, 2016**

Class Size: 20 Maximum

Instructor(s): Joseph Buhowsky

Room: 112

Description: Beginning January 1, 2017, the California Electricians Certification Exam will be based on the 2014 NEC. If you require extra help passing the certification exam, this class is for you. Get familiar with the NEC and material covered, test taking tips and tricks, with plenty of practice question. Bring your copy of the 2014 NEC. The Exam website shows a 45% Pass Rate!

**Required Material(s):** National Electrical Code (2014 edition) **\$85.00**  
Alameda JATC State Exam Prep Materials **\$5.00**  
**\$90.00**

## State Exam Prep Class-Saturday (2014 NEC)

Day(s): Saturday 3 Sessions

Time: 8:00 AM to 1:30 PM

CE Hours: 0 hours (These hours do not contribute to the 32 hours required for re-certification).

Date(s): **August 19, August 26, and September 9, 2017** Holiday: **September 2, 2017**  
(Labor Day Week end)

Class Size: 30 Maximum

Instructor(s): Joseph Buhowsky

Room: 112

Description: Beginning January 1, 2017, the California Electricians Certification Exam will be based on the 2014 NEC. If you require extra help passing the certification exam, this class is for you. Get familiar with the NEC and material covered, test taking tips and tricks, with plenty of practice question. Bring your copy of the 2014 NEC. The Exam website shows a 45% Pass Rate!

*This course contains the same curriculum as the State Exam Prep Class-Week Day.*

**Required Material(s):** National Electrical Code (2014 edition) **\$85.00**  
Alameda JATC State Exam Prep Materials **\$5.00**  
**\$90.00**

# 2017 Fall Continuing Education Class Schedule

## Surveying-Basic

**Day(s):** Saturday 1 Session  
**Time:** 8:00 AM – 11:00 AM  
**CE Hours:** 3 hours  
**Date(s):** **August 26, 2017**  
**Class Size:** 20 Maximum  
**Instructor(s):** Tom Finnegan  
**Room:** 115  
**Description:** Basic Surveying and Field Engineering for Journeymen. We will discuss coordinate geometry, field surveying practices, field procedures, cut sheets and plan interpretation, layout control, staking plan sheets, and reading survey stakes. **Bring your calculators.**  
**Required Material(s):** No Materials / No Cost **\$0.00**

## Test Instruments

**Day(s):** Tuesday / Thursday 5 Sessions  
**Time:** 5:00 PM – 8:00 PM  
**CE Hours:** 15 hours  
**Date(s):** **September 12 – September 26, 2017**  
**Class Size:** 10 Maximum  
**Instructor(s):** Floyd Colton  
**Room:** 122  
**Description:** Do you own meters? Are you using them correctly? Can you use them more efficiently? Sign up for this class and find out. This class will cover introduction to test instruments, general use, power quality, ground testing, meggering and troubleshooting using test instruments.  
**Required Material(s):** Test Instruments Textbook **\$60.00**

## Traffic Signals & Street Lighting Installations

**Day(s):** Saturday 3 Sessions  
**Time:** 8:00 AM – 2:30 PM  
**CE Hours:** 18 hours  
**Date(s):** **September 23 – October 7, 2017**  
**Class Size:** 16 Maximum  
**Instructor(s):** Kurt Dembrowicz  
**Room:** 119  
**Description:** This course will teach students how to properly install traffic signal wiring projects and street lighting installation. In addition, the student will learn about local and Caltrans codes, erection of light poles, construction of pole bases and drilling will also be covered. **Bring your Hand Tools.**  
**Required Material(s):** Alameda JATC Traffic Signal Training Materials **\$75.00**



# 2017 Fall Continuing Education Class Schedule

## Local 595 Administered Class:

### Labor Studies

(A light dinner will be served)

**To register contact IBEW Local 595 at: (925)556-0595**

**Day(s):** Tuesday / Thursday

**Time:** 5:00 PM – 8:00 PM

**Hours:** 12 hours

**Dates(s):** TBD

**Date(s):** TBD

**Instructor(s):** Jason Gumataotao and Tracy Prezeau

**Location:** **IBEW 595 Office**

6250 Village Parkway

Dublin, CA 94568

**Description:** A good Foreman should be aware of the various policies and procedures of IBEW 595. This course will provide the foreman with important information to ensure that the projects that they manage run smoothly and efficiently. Topics covered: The Collective Bargaining Agreement, IBEW 595 Job referral Procedures, Portability and Clearances, and California jobsite requirements.

A good working relationship between the foreman and job steward will facilitate a successful project. This course will also include a certified steward training class to increase the understanding of the role played by each on the jobsite.

The Labor Studies Class is a requirement of the Foreman Call by Name Provision of IBEW Local 595 job referral.

## NECA Administered Class:

### Electrical Project Supervision, Level -1

**To register contact Juanita Mitchell at NorCal NECA: (925)828-6322**

**Day(s):** Mon / Tues / Wed

**Time:** 4:00 PM – 8:00 PM

**Hours:** 24 hours

**Date(s):** August 21 – August 23 & August 28 – 30, 2017

**Class Size:** 20 Maximum

**Instructor(s):** Bob Tieman

**Cost:** **\$45.00** (includes material & meals)

**Location:** **Nor Cal NECA Office**

5934 Gibraltar Drive, Suite 205

Pleasanton, CA

## New Address

**Description:** A good foreman is often a company's most valuable asset. This course will provide important knowledge and skills for foremen with a wide range of responsibilities. It will enrich an understanding of the business and process of construction and enable IBEW foremen to ensure that work is done correctly, safely, within budget and on time. Anyone interested in improving their skills as a foreman should attend this training class. This class is a requirement to qualify for foreman callout by name.

*Must attend All Classes to Receive a Certificate of Completion. No make-up classes allowed.*

# 2017 Fall Continuing Education Class Schedule

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Alameda County Electrical JATC  
14600 Catalina Street  
San Leandro, CA 94577