

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 devices and control systems for energy management. Labs will utilize the latest devices from Lightolier, Lutron, Watt Stopper 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 print out 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

Day(s):	Tuesday	11 Sessions
Time:	5:00 PM – 8:00 PM	
CE Hours:	33 Hours	
Date(s):	August 22 – October 31, 2017	
Make-up:	November 7, 2017	
Class Size:	20 Maximum	
Instructor(s):	David Gilfillan	
Room:	119	
Description:	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.	
Required Material(s):	Building Automation Textbook	\$75.00
	Building Automation Student Workbook	\$30.00
	Alameda JATC Building Automation Materials (Portfolio)	\$.00
		<hr/> \$105.00

Code Changes and Review (2014 NEC)

S&C Technician Eligible Class		
Day(s):	Saturday	1 Session
Time:	8:00 AM to 2:30 PM	
CE Hours:	6 hours	
Date(s):	October 14, 2017	
Class Size:	20 Maximum	
Instructor(s):	Dan Holgate	
Room:	104	
Description:	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.	
Required Material(s):	2014 National Electrical Code	\$85.00

Computer Basics-Excel, Outlook & Word

S&C Technician Eligible Class		
Day(s):	Saturday	1 Session
Time:	8:00 AM – 3:00 PM	
CE Hours:	6.5 hours	
Date(s):	TBD	
Class Size:	10 Maximum	
Instructor(s):	Jason Kaneko / Deanna Murchison	
Room:	109	
Description:	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.	
Required Material(s):	Alameda JATC Computer Training Materials (includes meal)	\$15.00

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 rd Edition		\$15.00
			<u>\$40.00</u>

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. <i>This training does not qualify employees to enter Permit-Required Confined Spaces.</i>		
Required Material(s):	Alameda JATC Confined Space Training Material		<u>\$25.00</u>

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	
	Class 2:	October 7, 2017	
	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
			<u>\$35.00</u>

2017 Fall Continuing Education Class Schedule

Fire Alarm Hands-On & Code

S&C Technician Eligible Class

Day(s): Saturday 3 Sessions

Time: 8:00 AM to 2:00 PM

CE Hours: 18 hours (6 hours lecture, 12 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

\$60.00

Solar Photovoltaics Instruction Materials (including shortcut Thumb Drive)

\$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:

CE Hours: 3 hours

Date(s): **TBD**

Class Size: 20 Maximum

Instructor(s): John May

Room: **TBD**

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

This Page Intentionally Left Blank

Alameda County Electrical JATC - Continuing Education Class Registration

Registration by Mail:

1. In order to process your registration, please enter the following contact information.

*Social Security #: xxx-xx- _____ (Last four digits only)

*Name: _____
Last First M.I.

*Mailing Address: _____
City State Zip

*Telephone Number: () _____ () _____
Home / Evening Cell

E-mail Address: _____

*IBEW Card #: _____

**These items mandatory for registration*

Check One: Inside Wireman Sound & Communication Other

2. List the classes you wish to attend.

Date	Description	Material Fee (if any)	Book Fee

Total Amount Enclosed \$ _____

(You will be notified if any class is full, cancelled or starting date is rescheduled.)

3. Make checks or money orders payable to: **Alameda County Electrical JATC**
 and mail to the following address:

Alameda County Electrical JATC
 14600 Catalina St.
 San Leandro, CA 94577

(Sorry, we request Cash/Credit Card payment in person only)
No fax or telephone orders accepted.

Questions? Call (510) 351-5282

OFFICE USE ONLY

Amount Rec'd: \$ _____

Check #: _____ Visa M/C CASH

Date Received: _____ Rec'd By: _____ Confirmed By: _____

Enrolled Dues Pay Thru: _____ Class (5615): \$ _____

Books (5617): \$ _____

CALCTP (5645): \$ _____

Refund Req'd: _____ Date: _____ Ck #: _____ Initials: _____

There will be no refunds to those who are enrolled in a class and do not attend.

Registration, material or book fees will not be deposited until the day after classes begin. If a refund is requested and granted due to class cancellation or rescheduling, your funds will be returned by the original method of payment (return of your uncashed check). If you registered using your credit or ATM card, your funds will be returned by check. Any cash transactions must be picked-up and signed for at the JATC Office.

If you wish to change the method of receipt of this document, please e-mail us: info@595jatc.org

**2017 Fall
Continuing Education
Class Schedule**

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