

2022 Spring Continuing Education Class Schedule

ALL CLASSES REQUIRE A VALID EMAIL ADDRESS

Aerial Lift Safety

*S&C Technician Eligible Class

Date(s):	January 25 & 27, 2022	2 Sessions
Day/ Time:	Tuesday & Thursday: 5:00 PM – 8:00 PM	
CE Hours:	6 Hours	
Class Size:	20 Maximum	
Instructor(s):	Joseph Buhowsky	
Location:	Online Zoom Class (Zoom Invitation will be sent out via email at later date)	
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):	OSHA 1926.453 Aerial Lifts Standard <i>(Material will be emailed to you upon confirmed registration)</i>	

Building Automation Systems

Date(s):	February 1, 8, 15, 22, March 1, 8, 15, 22, 29, April 12 & 19, 2022	11 Sessions
Make-up:	April 26, 2022	
No Class:	April 5, 2022	
Day/ Time:	Tuesdays: 5:00 PM – 8:00 PM	
CE Hours:	33 Hours	
Class Size:	7 Maximum	
Instructor(s):	David Gilfillan	
Room:	119 (In-Person Class)	
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.	
	THIS WILL BE THE <u>ONLY</u> BUILDING AUTOMATION CLASS FOR 2022!	
Required Material(s):	Building Automation Textbook Building Automation Student Workbook Alameda JATC Building Automation Materials (Portfolio)	

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Code Changes and Review (2017 NEC)

*S&C Technician Eligible Class

Date(s):	February 12, 2022	1 Session
Day/ Time:	Saturday: 8:00 AM – 2:30 PM (½ hour lunch break included)	
CE Hours:	6 hours	
Class Size:	20 Maximum	
Instructor(s):	Dan Holgate	
Location:	Online Zoom Class (Zoom Invitation will be sent out via email at later date)	
Description:	The 2017 NEC 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 new material in the context of our existing code knowledge. The class will draw upon the instructor's experience as a building inspector. The JATC instructor presents real life situations which are 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):	2017 National Electrical Code (Code Book Available if Needed)	

Conduit Bending Fabrication

Block #1:	January 18, 20, 25, 27, February 1, 3, 8, 15, 17, 22, 24 & March 1, 2022	12 Sessions
No Class:	Thursday- February 10, 2022	
Day/ Time:	Tuesdays & Thursdays: 5:00 PM – 8:00 PM	
CE Hours:	36 hours	
Class Size:	10 Maximum	
Instructor(s):	Jimmy Peterson	
Room:	122 & Tool Lab (In-Person Class)	
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 & Electricians Guide to Conduit Bending-3 rd Edition	

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Confined Space Training

*S&C Technician Eligible Class

Date(s):	March 29 & 31, 2022	2 Sessions
Day/ Time:	Tuesday & Thursday: 5:00 PM – 8:00 PM	
CE Hours:	6 hours	
Class Size:	20 Maximum	
Instructor(s):	Joseph Buhowsky	
Location:	Online Zoom Class (Zoom Invitation will be sent out via email at later date)	
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. <i>This training does not qualify employees to enter Permit-Required Confined Spaces.</i>	
Required Material(s):	OSHA 1926.1200 Confined Space in Construction (Material will be emailed to you upon confirmed registration)	

CPR / First Aid

*S&C Technician Eligible Class

Block #1:	January 22, 2022	1 Session
Day/Time:	Saturday: 8:00 AM – 2:00 PM	
CE Hours:	6 hours	
Block #2:	March 5, 2022	1 Session
Day/Time:	Saturday: 8:00 AM – 2:00 PM	
CE Hours:	6 hours	
Block #3:	May 21, 2022	1 Session
Day/Time:	Saturday: 8:00 AM – 2:00 PM	
CE Hours:	6 hours	
Class Size:	8 Maximum	
Instructor(s):	Cindy Kyle	
Room:	104 (In-Person Class)	
Description:	Certification in emergency response CPR and Basic First Aid, with AED Training.	
Required Material(s):	CPR/First Aid Card (<i>will receive in mail upon successful completion of class</i>) Alameda JATC CPR/First Aid Training Materials (<i>to be handed out in class</i>)	

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Construction Technology: PlanGrid

Block #1: January 24 & 26, 2022	2 Sessions
Day/Time: Monday & Wednesday: 5:00 PM – 8:00 PM	
CE Hours: 6 hours	
Block #2: April 11 & 13, 2022	2 Sessions
Day/Time: Monday & Wednesday: 5:00 PM – 8:00 PM	
CE Hours: 6 hours	
Class Size: 6 Maximum	
Instructor(s): Kevin Meyer	
Room: 120 (In-Person Class)	
Description: PlanGrid is construction productivity software. Improve document control by storing your blueprints and documents digitally. PlanGrid replaces paper blueprints, brings the benefits of version control to construction teams, and is a collaborative platform for sharing construction information like field markups, progress photos and issues tracking. PlanGrid is a great tool to use if your primary goal it to give your field crew instant access to the most updated information stored in the cloud.	
Please Note: Blocks 1 & 2 consist of the same curriculum.	
Prerequisite: This class is for all levels. Training provided on a computer station and tablet. If you have questions, contact Kevin Meyer through email: kmeyer@595jatc.org	
Required Material(s): No Materials Required	

Construction Technology: NAVIS Manage

Block #1: February 7 & 9, 2022	2 Sessions
Day/Time: Monday & Wednesday: 5:00 PM – 8:00 PM	
CE Hours: 6 hours	
Block #2: April 25 & 27, 2022	2 Sessions
Day/Time: Monday & Wednesday: 5:00 PM – 8:00 PM	
CE Hours: 6 hours	
Class Size: 6 Maximum	
Instructor(s): Kevin Meyer	
Room: 120 (In-Person Class)	
Description: Learn tools to navigate the model, hide & unhide objects, add additional models, identify objects and viewpoints with comments.	
Please Note: Blocks 1 & 2 consist of the same curriculum.	
Pre-requisite: This class is for all levels. Training provided on a computer station. If you have questions, contact Kevin Meyer through email: kmeyer@595jatc.org	
Required Material(s): No Materials Required.	

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Construction Technology: Beginner Bluebeam REVU

Block #1:	March 21, 22, 23 & 24, 2022	4 Sessions
Day/Time:	Monday, Tuesday, Wednesday & Thursday: 4:30 PM – 7:30 PM	
CE Hours:	12 hours	
Block #2:	May 2, 3, 4, & 5, 2022	4 Sessions
Day/Time:	Monday, Tuesday, Wednesday & Thursday: 4:30 PM – 7:30 PM	
CE Hours:	12 hours	
Class Size:	6 Maximum	
Instructor(s):	Susan Bowron	
Room:	120 (In-Person Class)	
Description:	Bluebeam REVU is a great technology tool to learn whether you are detailing in the trailer or redlining in the field. Receive hands-on instruction in redlining, editing markups, creating toolsets, updating backgrounds and dimensioning.	
	Please Note: Blocks 1 & 2 consist of the same curriculum.	
Pre-requisite:	No prior computer experience needed. Training provided on a computer station. If you have questions, contact Sue Bowron through email: sbowron@595jatc.org	
Required Material(s):	Flash drives will be provided.	

Construction Technology: Advanced Bluebeam Extreme

Block #1:	March 28, 29, 30 & 31, 2022	4 Sessions
Day/Time:	Monday, Tuesday, Wednesday & Thursday: 4:30 PM – 7:30 PM	
CE Hours:	12 hours	
Block #2:	May 16, 17, 18 & 19, 2022	4 Sessions
Day/Time:	Monday, Tuesday, Wednesday & Thursday: 4:30 PM – 7:30 PM	
CE Hours:	12 hours	
Class Size:	6 Maximum	
Instructor(s):	Susan Bowron	
Room:	120 (In-Person Class)	
Description:	Bluebeam Extreme has some additional features that increase the value of your drawings beyond the visual markups. We will explore tracking materials and a schedule, through the content on the drawing.	
	Please Note: Blocks 1 & 2 consist of the same curriculum.	
Pre-requisite:	This class is for students who already have a basic understanding of Bluebeam and want to take their Bluebeam skills to the next level. Training provided on a computer station. If you have questions, contact Sue Bowron through email: sbowron@595jatc.org	
Required Material(s):	Flash drives will be provided.	

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Construction Technology: Basic Computer Skills

*S&C Technician Eligible Class

Date(s):	Class Days: Tuesdays- January 18, 25, February 1, 8, 15 & 22	6 Sessions
	Lab Days: Thursdays- January 27, February 3, 10, 17 & 24	<i>(All labs will be on a TBD basis)</i>
Time:	5:00PM – 8:00PM	
CE Hours:	18 hours w/ a possibility of an additional 3 hrs. per lab attended	

Class Size: 10 Maximum

Instructor(s): Adalbert Baumgardner

Room: Computer Lab (**In-Person Class**)

Description: Learn the basic computer skills necessary in the Microsoft Office Suite, and current digital communication environments.

Tuesdays are Class days and Thursdays are Lab days.

If there is no attendance or activity on Lab days after the first hour, it will be canceled for the rest of that session. All lab days will be on a TBD basis.

Required Material(s): Blank Flash Drive & Composition Notebook
(Available if needed for pickup at JATC)

Electrical Vehicle Infrastructure Training Program (EVITP)

Based on the 2017 NEC (Learning Management System)

Date(s):	February 3, 10, 17, 24, March 3, 10, 17, 2022	7 Sessions
Day/ Time:	Thursdays: 5:00 PM – 8:00 PM	
Final Exam:	In-Person Final Exam will be on March 24, 2022	
CE Hours:	<u>21</u> hours	

Class Size: 20 Maximum

Instructor(s): Joe Buhowsky

Location: **Online Zoom Class (Zoom Invitation will be sent out via email at later date)**

Description: **Computer w/Internet Access Required** (A computer w/internet access will be necessary to complete portions of the coursework.)

The Electric Vehicle Infrastructure Training Program (EVITP) provides technical training for electricians for the residential, commercial, public, and fleet electric vehicle charging markets. The course provides a thorough understanding of charging products and associated equipment on the market today. EVITP- certified electricians go to work with the ability to implement best practices in charging station and infrastructure side assessment, load calculation, configuration, installation, troubleshooting, commissioning, maintenance, and repair.

Each student must supply an e-mail address to be assigned a username and password.

Please Note: A proctored Final Exam will be held in person at the ZNE Center on March 24th.

Required Material(s): Blended Learning On-Line Training Sessions & 2017 NEC Code Book

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Motor Control- Beginning

Date(s):	February 1, 8, 15, 22, March 1, 8, 15, 22, 29, April 5, 12, 19	12 Sessions
Day/ Time:	Tuesdays: 5:00 PM – 8:00 PM	
CE Hours:	36 hours	
Class Size:	10 Maximum	
Instructor(s):	Arthur "Chico" Hernandez	
Room:	122 (In-Person Class)	
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	

NFPA 70E / Arc-Flash Training (2021 NEC)

*S&C Technician Eligible Class

Block #1:	March 29, 31, April 5, 7 & 12, 2022	5 Sessions
Day/Time:	Tuesdays & Thursdays: 8:00 AM – 12:00 PM	
CE Hours:	15 hours	
Instructor(s):	Jimmy Peterson	
Room:	125 (In-Person Class)	
Block #2:	April 12, 14, 19, 21, & 26, 2022	5 Sessions
Day/Time:	Tuesdays & Thursdays: 5:00 PM – 8:00 PM	
CE Hours:	15 hours	
Instructor(s):	Joe Buhowsky	
Location:	Online Zoom Class- (Zoom Invitation will be sent out via email at later date)	
Class Size:	20 Maximum	
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 (2021). Topics include hazard assessment, who is 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 (2021 Edition) (NFPA 70E Book Available for pick-up at AJATC)	

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OSHA- 30

*S&C Technician Eligible Class

Date(s):	January 29, February 5, 12, 26, March 5, 2022	5 Sessions
No Class:	February 19, 2021	
Day/Time:	Saturdays: 8:00 AM – 2:45 PM (Day 1 & 2) & 8:00 AM – 3:45 PM (Day 3 – 5)	
CE Hours:	32.25 hours	

Class Size: 20 Maximum
Instructor(s): Jimmy Peterson
Room: 125 (**In-Person Class**)
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.

Required
Material(s): Alameda JATC OSHA-30 Training Materials

State Exam Prep Class (2017 NEC)

Block #1:	February 1, 3, 8, 10 & 15, 2022	5 Sessions
Day/Time:	Tuesdays & Thursdays: 5:00 PM – 8:00 PM	
CE Hours:	0 (These hours do not contribute to the 32 hours required for re-certification)	
Room:	127 (In-Person Class)	
Instructor(s):	Eduard Sandulyak	

Block #2:	May 3, 5, 10, 12 & 17, 2022	5 Sessions
Day/Time:	Tuesdays & Thursdays: 5:00 PM – 8:00 PM	
CE Hours:	0 (These hours do not contribute to the 32 hours required for re-certification)	
Location:	Online Zoom Class (Zoom Invitation will be sent out via email at later date)	
Instructor(s):	Joseph Buhowsky	

Class Size: 20 Maximum
Description: Beginning January 2, 2020, the California Electricians Certification Exam will be based on the 2017 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 2017 NEC. The Exam website shows a 45% Pass Rate!

Every block contains the same curriculum.

Required
Material(s): National Electrical Code (2017 edition)
(Code Book Available if Needed)

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Surveying- Basic

Block #1:	March 5, 2022	1 Session
Day/Time:	Saturday 9:00 AM – 3:30 PM <i>(includes a 30-minute lunch break)</i>	
CE Hours:	6 hours	
Block #2:	April 9, 2022	1 Session
Day/Time:	Saturday 9:00 AM – 3:30 PM <i>(includes a 30-minute lunch break)</i>	
CE Hours:	6 hours	
Class Size:	10 Maximum	
Instructor(s):	Jason Bates	
Room:	119 (In-Person Class)	
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, reading survey stakes, and basic Trimble operation. Bring your calculators.	
Required Material(s):	None	

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2022 Spring

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

Please visit our new website www.595jatc.org to enroll in CE classes and more!