



LOCAL 39

TRAINING DEPARTMENT

**NEW
FOR
FALL
2022**

**General
Information**
pages 2-4

**How To Enroll
ONLINE**
page 5

**Online
Training
Courses**
pages 6-12

**Courses,
Certifications
and Seminars**
pages 13-24

**FREE
Webinars**
page 26

Locations
page 27

**OPEN
ENROLLMENT**
Monday,
June 13, 2022
through
Friday,
July 22, 2022



Local 39 Business Manager Bart Florence
with Apprentice of the Year Recipient Jessica Hong

Fall 2022

COURSE CATALOG

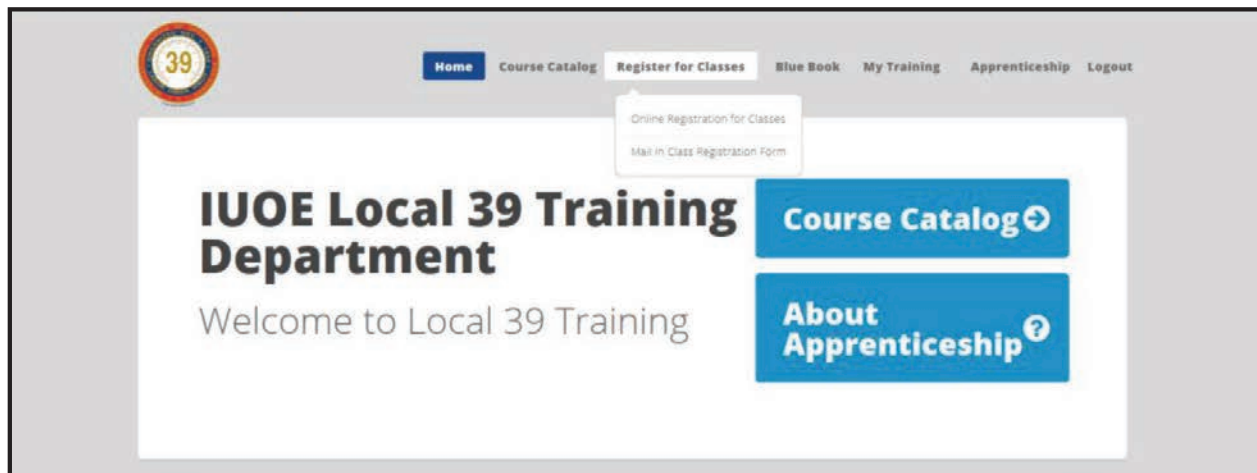
Online Enrollment Required for all Classes



FEE CATEGORIES

Member of a Contributing Employer: A Local 39 member whose employer contributes money to the Local 39 Training Fund annually by Union contract. This member receives the lowest registration rate for Local 39 sponsored classes and seminars. If the student registers for a full semester, job-related course at a community college or regional occupation center, (with prior approval).

Member of a Non-Contributing Employer: A Local 39 member whose employer does not contribute money to the Training Fund. This member receives a higher registration rate than a member of a contributing employer. Registration for a full semester, job-related course at a community college or regional occupational center is not subject to reimbursement by the Local 39 Training Department.



EQUAL OPPORTUNITY PLEDGE

(Updated July 10, 2017)

Position on Discrimination, Harassment, Intimidation, and Retaliation

Northern California & Northern Nevada Stationary Engineers Joint Apprenticeship and Advisory Committee and Stationary Engineers Local 39 Joint Apprenticeship Committee of Northern Nevada (collectively referred to as "Stationary Engineers Joint Apprenticeship Committee") are committed to maintaining apprenticeship programs free from discrimination, harassment, intimidation, and retaliation.

Equal Opportunity Pledge

Stationary Engineers Joint Apprenticeship Committee, as a sponsor, will not discriminate against apprenticeship applicants or apprentices based on race, color, religion, national origin, sex (including pregnancy and gender identity), sexual orientation, genetic information, or because they are an individual with a disability or a person 40 years or older.

Stationary Engineers Joint Apprenticeship Committee, as a sponsor, will take affirmative action to provide equal opportunity in apprenticeship and will operate the apprenticeship program as required under Title 29 of the Code of Federal Regulations, part 30, and equal employment opportunity regulation of the State of California and State of Nevada.



ADDITIONAL FEES:

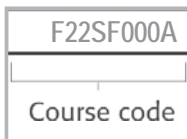
Transcripts and verification of records from previous semesters are available for an administrative fee of \$50.00 per request. All requests must be submitted in writing to the administrative office and include the timeframe in which the classes were taken, along with your Local 39 Union Register ID Number.

A \$35 fee will be charged for checks returned due to non-sufficient funds ("NSF"). Any other fees incurred due to returned checks or declined credit card payments will be charged to the student.

ATTENDANCE POLICY

For seminars, the registered students must attend the entire seminar to get a certificate of completion. For 18 week courses, the maximum number of absences allowed are two. After that the instructor has to talk to the coordinator to make sure that the student does not fall too far behind. For multi day seminars, the student will only get a certificate if they complete the full seminar.

EXPLANATION OF CLASS SCHEDULE



When looking at the course listings, please note that they are color coded by location. The location colors below should help you to find courses in your preferred location. The second item is the course code. This includes the semester and year, the location and the course ID.

Location colors:

CONCORD	SACRAMENTO
FRESNO	SAN FRANCISCO
HAYWARD	SAN JOSE
RED BLUFF	RENO

REFUND/CANCELLATION POLICY

Full refunds will be issued when a class is sold out or has been cancelled. Registrants who wish to withdraw from a class must notify the Local 39 Training Department no later than seven business days prior to the start of the class, course or seminar in order to be eligible for a full refund or to transfer to another class. Requests for a refund or transfer into another class made after the deadline will result in the forfeiture of the registration fee.

Class registration is Member specific and is non-transferrable.

WEBSITE INFORMATION

The Local 39 Training Department website can be accessed at www.local39training.org. The site offers information on training courses, Apprenticeship, upcoming seminars and current news.



HOW TO ENROLL

Stationary Engineers Local 39 Training Department reserves the right to change our fee categories, registration terms and conditions, to make changes to any of our courses, certification classes and seminars described in this catalog, or to change a course location, or cancel a course/class at any time without liability.

Our Training Programs are only available to Local 39 Members in Good Standing. Local 39 Members who are on "Withdraw" Status are allowed to register for classes as long as they have properly withdrawn from the Union. They may take classes for a period covering two full semesters or one year at the "Member of Non-Contributing Employer" rate from the date of withdraw. Thereafter the Member would not be eligible to register and take any more classes until re-employed by another Union employer under contract. Active members must provide their IUOE Local 39 Membership Card Union Register Number when registering for a course/class and must show their ID card upon Check-In at the Training Facility or at the Jobsite.

Online enrollment for training classes is available for all Local 39 members. To register for courses, visit www.local39training.org. You'll need to register on the website in order to view the course catalog online. Once you've registered and logged in, you may browse the catalog on the website and select the courses for which you wish to enroll. Once you've finished making your selections, you can pay for your courses via PayPal, using your PayPal account or a credit card.

The screenshot shows the website interface for the 'EPA Technician Review and Exam' course. It includes a navigation bar with links like 'HOME', 'COURSE CATALOG', 'REGISTER FOR CLASSES', 'BLUE BOOK', 'MY TRAINING', 'APPRENTICESHIP', and 'LOG OUT'. Below the navigation is the Local 39 logo and the text 'I.U.O.E. LOCAL 39 TRAINING DEPARTMENT'. The main content area is titled 'Register for Classes' and displays course details for 'EPA Technician Review and Exam'. It includes a prerequisite, a description of the course, and a table of course sessions with columns for days of the week, start dates, and times. Each session has a 'Select Training' button and a price of \$40.00. A shopping cart icon shows a total of \$20.00.

	S	M	T	W	T	F	S	Start Date	Times	
SAC							S	01/30/2021	12:30 pm to 4:30 pm	Select Training -- \$40.00
SF							S	02/20/2021	12:30 pm to 4:30 pm	Select Training -- \$40.00

Add the course to your Shopping Cart by selecting the **Select Training** button next to the course. You can view your shopping cart by selecting the **View Cart** button. Once you have finished adding your courses, click on the **Proceed to Check Out** button in the shopping cart. Click on "Submit" to complete the transaction.

Early Registration is encouraged to ensure we have enough participants to hold a course/class. A pull-out registration form is provided for you in the center of this catalog and on our website at www.local39training.org. Registration forms that are incomplete or do not include your Union ID number or a form of payment will not be processed, and space WILL NOT be held.



We accept VISA, MASTER CARD, AMERICAN EXPRESS AND DISCOVER credit cards. If your ATM card features any of the above symbols, it will be accepted as well. Save yourself time by simply completing the registration form and faxing it to our office at (415) 285-6916.



Online Enrollment for all Courses/Seminars/Webinars

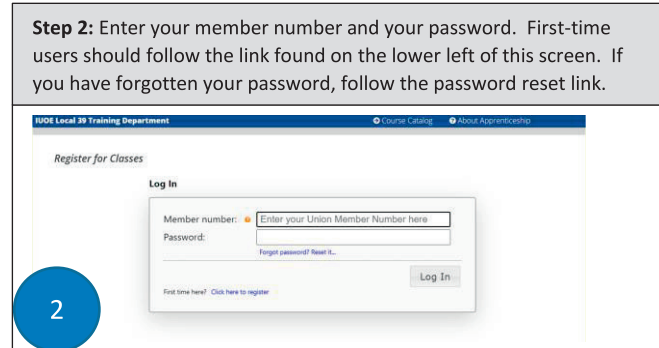
HOW TO ENROLL ONLINE

To view this catalog and enroll in classes, visit www.local39training.org. Follow these steps to register online:

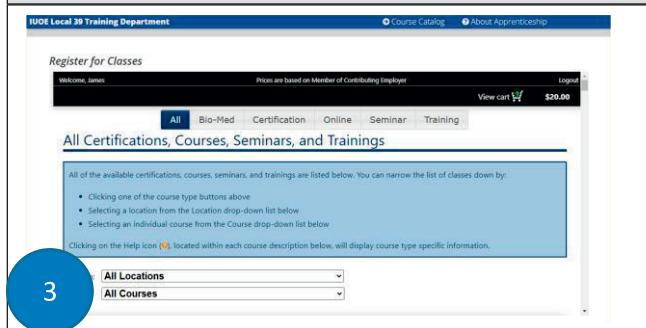
Step 1: Select "Register for Classes" > "Online Registration for Classes".



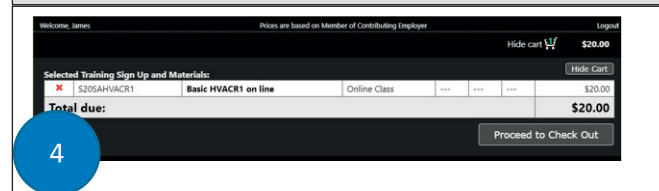
Step 2: Enter your member number and your password. First-time users should follow the link found on the lower left of this screen. If you have forgotten your password, follow the password reset link.



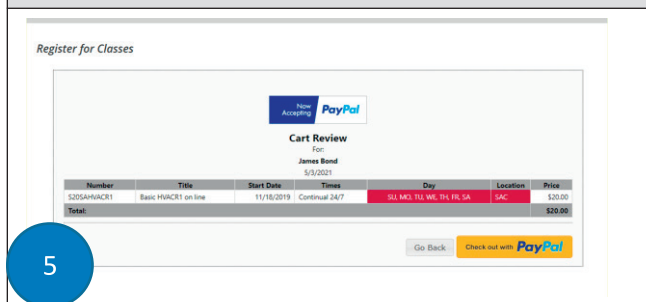
Step 3: Choose the classes that you would like to take and select "View cart" after you have finished adding classes.



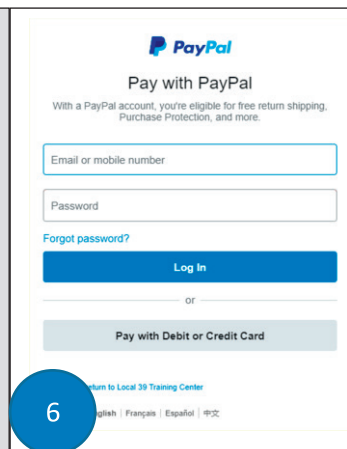
Step 4: Review your cart. Remove unwanted items by selecting the red "X". If you would like to add more classes, select "Hide cart". Select "Proceed to Check Out" to continue to Step 5.



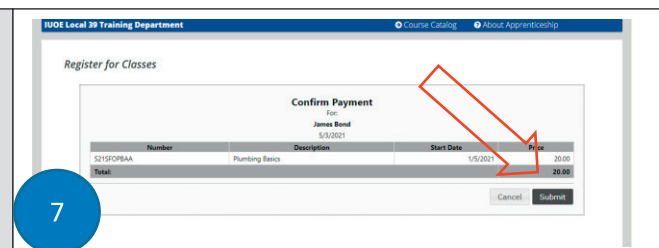
Step 5: When you are ready to pay for the registration fees, select "Check out with PayPal". Please note: you do not have to have a PayPal account to proceed.



Step 6: Select "Pay with Debit or Credit Card". You will be asked to enter your payment information. If you have a PayPal account, you may log in and use PayPal as you regularly do. Select "Continue" when you have completed entering your information. You will be redirected to the Local 39 Training website for Step 7.



Step 7: Select "Submit" to finish the transaction. Your registration will not be processed unless this step is completed. PayPal will send a receipt to the email address that was provided during the check-out process. After successful registration, you will receive a confirmation email from the Local 39 Training Department. If you do not receive confirmation within 48 hours, call us at (415) 285-3939.





Online Learning Center

Our online course delivery has been updated to make taking online training even easier than before. After purchase and approval of enrollment, you will receive an email with information to launch your class and start working.

Completion progress is tracked in each class on the right side of your screen. Navigate by using the Course Contents box or from the overview screen. Throughout the courses, new vocabulary terms or concepts are linked to a glossary. Transcripts of your online courses or assistance with online training may be obtained by contacting the Online administrator, at support@local39training.org.

Basic Schematic Reading

Course Code: OBSRA

No Prerequisite

Member of Contributing Employer	\$20
Member of Non-Contributing Employer	\$90
Affiliate Rate	\$150

This beginners online class is all about the basics to ladder diagram reading. It starts out with the basic components you will see represented in a ladder diagram and how they function and work. Then we cover some basic schematics showing the student what it all means when looking at a ladder diagram and the sequence of operation. Estimated completion time is 8 hours.

Building Systems

Category: *Introductory Courses*

Member of Contributing Employer	\$20
Member of Non-Contributing Employer	\$90
Affiliate Rate	\$150

In this course, you will be introduced to the basic operations and functions of the mechanical, plumbing, electrical systems and other systems which are commonly found in a commercial building. Students are prepared for further studies into the more particular trade skills required to operate a building as a professional Stationary Engineer. Those interested in entering the trade or utilities personnel interested in preparing themselves to become Stationary Engineers will find this instruction very helpful.

This course covers:

- Electrical equipment and electrical distribution
- Components of the plumbing system in a commercial facility
- Heating, ventilation and air conditioning equipment, (HVAC)
- Steam-generating equipment in commercial buildings
- Central control systems for management of facility operation
- An overview of life safety systems including fire control and fire signaling equipment

Chiller Plant Operation

Course Code: OCPA

Category: *Chillers*

Member of Contributing Employer	\$20
Member of Non-Contributing Employer	\$90
Affiliate Rate	\$150

This course gives an introduction to what an engineer needs to know in order to understand the operation of a chiller and its components in a plant. Estimated completion time is 8 hours.

Confined Space Awareness

Course Code: OCFA

Member of Contributing Employer	\$20
Member of Non-Contributing Employer	\$90
Affiliate Rate	\$150

This is a course for awareness purposes only. The course will cover topics emphasizing safety in confined space situations, such as things that should be looked-out for and things that can be done ahead of time, that will help in complying with the laws.

Estimated completion time is 21 hours.



Cooling Towers O&M Course

Course Code: OCTMA

Member of Contributing Employer	\$20
Member of Non-Contributing Employer	\$90
Affiliate Rate	\$150

This course will cover the basics to cooling towers starting with an Introduction, then a cooling tower start up, routine maintenance part 1 and then part 2, then it will introduce the student to thermal performance, aftermarket solutions and then a brief lesson on troubleshooting. Estimated completion time is 21 hours. Books required to purchase.

Electrical Basics

Category: Electricity

Member of Contributing Employer	\$20
Member of Non-Contributing Employer	\$90
Affiliate Rate	\$150

This course introduces you to basic electrical principles, electrical safety, and electrical applications and equipment in your facility. This course covers:

- Electrical theory: Principles, quantities, and relationships
- Fundamental electrical devices and circuit types
- Electrical safety: Staying alive while working with high voltages
- Tools and test instruments for troubleshooting electrical systems
- Alternating current: Principles, applications, and system type
- Transformers: Different means of converting voltages
- Conductors: Choosing safe wire sizes, installing conduit, and tapping busbars
- Circuitry: Power-distribution devices, overload protection, and schematic diagrams
- Basic electrical devices: resistors, inductors, and capacitors

Electrical Safety and NFPA 70E

Course Code: OESA

No Prerequisite

Member of Contributing Employer	\$20
Member of Non-Contributing Employer	\$90
Affiliate Rate	\$150

In this course on Electrical Safety and NFPA 70E guidelines, you will learn how both employees and employers can comply with the electrical safety training requirements mandated by OSHA in 29 CFR 1910 and 29 CFR 1926. You will learn about methods to prevent electrical accidents developed from NIOSH research. Finally, you learn how employees can avoid electrical injuries and employers can avoid unnecessary OSHA citations and personal injury litigation by adhering and enforcing Workplace Electrical Safety Guidelines defined in NFPA 70E. This course covers: • General Overview and Description of Electrical Safety Concerns • The Safety Model Approach Developed by NIOSH • Establishing an Electrical Safe Work Environment • Application of NFPA 70E Guidelines to Establish Workplace Safety • Decision to "Work Live" and How to Perform that Work Safely. Estimated completion time is 8 hours.

Electricity and Automation for HVAC/R

Category: Cooling Equipment

Member of Contributing Employer	\$20
Member of Non-Contributing Employer	\$90
Affiliate Rate	\$150

This course introduces electrical and automatic equipment as they relate to refrigeration and cooling systems.

This course covers:

- Basic Electricity and Magnetism
- Introduction to Automatic Controls
- Components and Applications
- Troubleshooting Basic Controls
- Advanced Automatic Controls
- Electric Motors in Refrigeration



Fire Alarm Signaling Systems

Category: Safety

Member of Contributing Employer	\$20
Member of Non-Contributing Employer	\$90
Affiliate Rate	\$150

This course demystifies fire alarm systems and prepares you to manage those systems' testing, scheduled maintenance, and mandatory repairs. Students will learn about how Fire Alarm Signaling Systems interact with most of a building's major operations, and will understand how to oversee their operations.

This course covers:

- Building and Fire Code
- Types of Systems
- Basic System Architecture
- Operation Sequence
- Addressable Configuration
- Smoke and Fire Containment

HVACR1

Course code: OHVAC1A

Member of Contributing Employer	\$20
Member of Non-Contributing Employer	\$90
Affiliate Rate	\$150

This course is an estimated 21 hours in length, it takes you through the basics in HVACR for air conditioning and refrigeration, heating and ventilation. The book used for this course is from American Technical Publishers, HVACR Refrigeration Systems. A workbook must be downloaded and scanned when completed and E-mailed back in for correction. The chapters covered are Overview and Basics, Heating and Ventilation, AC and Refrigeration, Special Purpose Systems, and Electric Motors and Piping. Books required to purchase.

HVACR2

Course code: OHVAC2A

Member of Contributing Employer	\$20
Member of Non-Contributing Employer	\$90
Affiliate Rate	\$150

This is a continuation of HVACR1. It discusses components you will see in the field as well as other aspects of HVACR. Estimated completion time is 21 hours. Books required to purchase.

Indoor Air Quality

Course code: OIAQA

Member of Contributing Employer	\$20
Member of Non-Contributing Employer	\$90
Affiliate Rate	\$150

This course covers the basics to indoor air quality, what it is, terms to know and understand, and basic maintenance checks. Estimated completion time is 21 hours. Books required to purchase.



Fall 2022 ONLINE TRAINING

Introduction to Boilers - Online

Course Code: OIBA

Category: Boilers

Member of Contributing Employer	\$20
Member of Non-Contributing Employer	\$90
Affiliate Rate	\$150

This online class gives a stationary engineer an introduction to boilers. A list of basic terminology and their definitions is covered. Estimated completion time is 8 hours.

Introduction to Chillers and Cooling Towers

Category: Cooling Equipment

Member of Contributing Employer	\$20
Member of Non-Contributing Employer	\$90
Affiliate Rate	\$150

This course introduces you to chilled-water cooling equipment and cooling towers, as used in large-scale refrigeration and cooling systems.

This course covers:

- Refrigeration Principles (a quick review)
- Cooling-System Components
- Compression-Cycle Chillers
- Absorption Chillers
- Cooling Towers and Related Controls

LEED and Green Building Overview

Category: LEED/Green Buildings

Member of Contributing Employer	\$20
Member of Non-Contributing Employer	\$90
Affiliate Rate	\$150

LEED (Leadership in Energy and Environmental Design) certification is an internationally recognized standard for designing, operating, and maintaining buildings in environmentally sound ways.

This course covers:

- Steps to LEED certification: categories and credits
- Benefits of LEED certification, with case studies
- "Green building" principles, and why they matter
- Stationary engineers' LEED role
- Strategy and planning for LEED certification

LEED: Water Efficiency Credits

Category: LEED/Green Buildings

Member of Contributing Employer	\$20
Member of Non-Contributing Employer	\$90
Affiliate Rate	\$150

This course shows you how to certify your existing building under the LEED Water Efficiency category. It demonstrates how to meet the eligibility prerequisite, and how to earn certification credits by improving your facility's water performance.

This course covers:

- Water usage: Baseline measurement and performance metering
- Fulfilling the prerequisite: Minimum fixture and fitting efficiency
- Water-efficient plumbing fixtures and maintenance practices
- Water-efficient landscaping practices and devices
- Improving cooling-tower water management
- Certification overviews: Investments and paybacks

Fall 2022 ONLINE TRAINING



Math

Course Code: OMBA

Category: Math for electrical refresher

Member of Contributing Employer	\$20
Member of Non-Contributing Employer	\$90
Affiliate Rate	\$150

This online course will take you through all the basics of math and how to apply them using Trade-related examples.

Mold

Category: Safety

Member of Contributing Employer	\$20
Member of Non-Contributing Employer	\$90
Affiliate Rate	\$150

In this course, you will learn the fundamentals of mold growth, how mold can contaminate your facility, and how to reduce or remove mold's effects.

This course covers:

- Specific Mold Types and Their Effects
- How to Prevent Mold Growth
- How to Assess Suspected Mold Growth
- How to Remediate (clean up and correct) Mold and Its Sources

Plumbing Basics

Course Code: OPBA

Category: Plumbing

No Prerequisite

Member of Contributing Employer	\$20
Member of Non-Contributing Employer	\$90
Affiliate Rate	\$150

This online class covers basic plumbing, an Introduction to OSHA, welding, cutting and brazing, plumbing materials, plumbing tools, joining pipe, traps and more. Estimated completion time is 16 hours.

Principles of Thermodynamics

Category: Cooling Equipment

Member of Contributing Employer	\$20
Member of Non-Contributing Employer	\$90
Affiliate Rate	\$150

This course explores the principles of thermodynamics as they relate to refrigeration and cooling systems. Students will learn the best safety practices in dealing with equipment, as well as both the scientific and practical components of maintaining cooling systems. Cooling systems are a critical part of a facility's operation and essential part of the Stationary Engineer's knowledge.

This course covers:

- General Safety Practices
- Theory
- Matter and Energy
- Refrigeration and Refrigerants
- Indoor Air Quality
- Comfort and Psychrometrics



Pump Operation and Maintenance

Course Code: OPOM

Member of Contributing Employer	\$20
Member of Non-Contributing Employer	\$90
Affiliate Rate	\$150

This class discusses the basics to pumping systems and what the differences are between various pumps in the field. Estimated completion time is 8 hours. Books required to purchase.

Steam Boiler Basics

Course Code: OSBA

Member of Contributing Employer	\$20
Member of Non-Contributing Employer	\$90
Affiliate Rate	\$150

Prerequisite: Basic Electricity

This course begins with the basics, definitions to help you understand boilers, and common components that are on all boilers. Then it covers the types of boilers and then in section 4 it begins to cover the components in steam boilers. Tests are included in each section.

All tests must be passed to complete the course.

Estimated completion time is 21 hours.

Steam Boiler Water Treatment Basics - Scale Control

Category: Water Treatment

Member of Contributing Employer	\$20
Member of Non-Contributing Employer	\$90
Affiliate Rate	\$150

In this course, you learn the fundamentals of water chemistry and how to apply these principles to the maintenance of steam boilers. The course focuses on how to control the buildup of scale (mineral solids). Controlling scale helps steam boiler equipment last longer and operate more efficiently, which translates into substantial cost savings.

This course covers:

- Principles of Water Chemistry
- Concentration, Solubility, and Solubility Limits
- Mineral Scale
- Conductivity
- Water Softeners and Maintaining Optimum Efficiency
- Chemical Control Programs
- Chemical Testing Procedures



Understanding Airflow

Category: Airflow

Member of Contributing Employer	\$20
Member of Non-Contributing Employer	\$90
Affiliate Rate	\$150

This course is designed to introduce the student to the theoretical and practical applications of basic airflow utilized within a building. Students learn about the duct systems and the mechanical components used to deliver airflow, as well as the importance of proper airflow delivery. These will include instruments, formulas and charts used to assess the amount of airflow. Additional studies include AK factor, air changes per hour, fan laws, stratification, as well as rules and regulations. Students will need to have access to the internet, a computer and have some familiarity with a computer.

Understanding the Pump Curve

Course Code: OUPCA

Member of Contributing Employer	\$20
Member of Non-Contributing Employer	\$90
Affiliate Rate	\$150

This course helps you understand the definitions used in pumping systems at your facility and how to check a pump curve to see if your pumps are eroding and costing you more money to run. Estimated completion time is 16 hours.

Variable Air Volume Basics

Prerequisite: None

Member of Contributing Employer	\$20
Member of Non-Contributing Employer	\$90
Affiliate Rate	\$150

This class is designed to acquaint the student with variable air volume, some basic checks they can do in the field and what the 3 – degree rule is as well as how to check for stratification. Estimated completion time is 8 hours.

Variable Frequency Drive Basics

Course Code: OVFDA

Member of Contributing Employer	\$20
Member of Non-Contributing Employer	\$90
Affiliate Rate	\$150

Prerequisite: Basic Electricity

This class covers VFD's from what is needed at the motor, its basic operation, definitions and some basic troubleshooting. Tests are taken at the end of each section and a final is given after all the section tests are completed. All tests must be passed to complete the course.

Estimated completion time is 25 hours.



AIR CONDITIONING & REFRIGERATION I

		S	M	T	W	T	F	S	Start Date	Times
SF	F22SF012A		◆						08/08/2022	5:00 pm to 8:00 pm

18-Weeks, 3 Hours Per Session, 54 Hours Total. Textbook Included.

Prerequisite: An understanding of basic electricity is a requirement of this course.

This course will provide the student with a thorough understanding of the refrigeration process. Included in the course are the functions and applications of the components of the refrigeration systems such as compressors, drive mechanisms, evaporators, condensers, liquid receivers, heat exchangers, expansion valves, metering devices, dryers and sight glasses.

Member of Contributing Employer	\$75
Member of Non-Contributing Employer	\$500
Affiliate Rate	\$600

AIR CONDITIONING & REFRIGERATION II

		S	M	T	W	T	F	S	Start Date	Times
SA	F22SA112A				◆				08/10/2022	5:00 pm to 8:00 pm

18-Weeks, 3 Hours Per Session, 54 Hours Total. Textbook not included.

Prerequisite: Air Conditioning and Refrigeration I

This course is a continuation of Air Conditioning & Refrigeration I and will instruct the student in the different types of heating systems, combustion controls, psychrometrics and airflow for air conditioning systems. It will also include schematic reading, basic heat pump operation, as well as an introduction to cooling towers and water cooled systems.

Member of Contributing Employer	\$75
Member of Non-Contributing Employer	\$500
Affiliate Rate	\$600

BOILERS

		S	M	T	W	T	F	S	Start Date	Times
SF	F22SF030A				◆				08/10/2022	5:00 pm to 8:00 pm

18-Weeks, 3 Hours Per Session, 54 Hours Total. Textbook Included.

Prerequisite: None.

This course covers the basic operation of low and high-pressure boilers. Students will learn how to determine boiler types and styles, water treatment chemistry and troubleshooting.

Member of Contributing Employer	\$75
Member of Non-Contributing Employer	\$500
Affiliate Rate	\$600

Fall 2022 TRAINING



ELECTRICITY & ELECTRIC MOTOR CONTROLS I

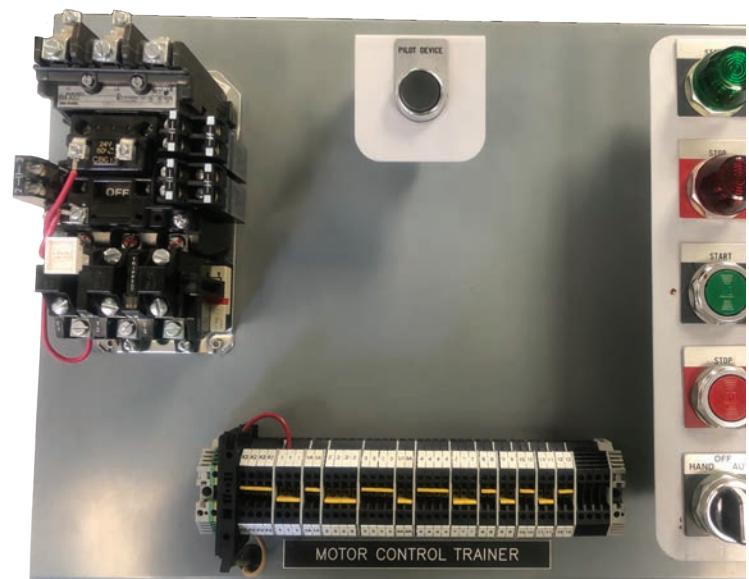
	S	M	T	W	T	F	S	Start Date	Times
SA			◆					08/09/2022	9:00 am to 12:00 pm

18-Weeks, 3 Hours Per Session, 54 Hours Total. Textbook Included.

Prerequisite: None.

The student will gain an understanding of the electrical concepts needed by Stationary Engineers, such as alternating current, direct current, single- and three-phase generation, transformers, and distribution. Also discussed are inductive, capacitive, and resistive circuits, as well as power factor and power factor correction. The student will also learn various types of electrical controls used in motor control systems, and will gain the ability to construct and analyze wiring and ladder diagrams used in motor control circuits. Through hands-on projects, students will learn how to use a meter and how to troubleshoot motor control circuits.

Member of Contributing Employer	\$75
Member of Non-Contributing Employer	\$500
Affiliate Rate	\$600



ELECTRICITY & ELECTRIC MOTOR CONTROLS II

	S	M	T	W	T	F	S	Start Date	Times
SA					◆			08/11/2022	9:00 am to 12:00 pm

18-Weeks, 3 Hours Per Session, 54 Hours Total. Textbook Not Included.

Prerequisite: Electricity & Electric Motor Controls I.

The student will continue to gain an understanding of the electrical concepts needed by a Stationary Engineer to understand Electricity and Electrical Troubleshooting techniques. The student will also learn various types of electric controls used in building control and motor control systems and will gain the ability to construct and analyze wiring and ladder diagrams used in these types of control circuits.

Member of Contributing Employer	\$75
Member of Non-Contributing Employer	\$500
Affiliate Rate	\$600



LOCKSMITHING II

		S	M	T	W	T	F	S	Start Date	Times
SA	F22SA121A		◆						08/08/2022	5:00 pm to 8:00 pm

18-Weeks, 3 Hours Per Session, 54 Hours Total. Textbook Not Included.

Prerequisite: Locksmithing I. This course is a continuation of Locksmithing I. Students will study and discuss topics such as master keying, electronic locks, computer control systems, developing master codes systems, lock repairs, record keeping, advance pinning with high security cylinders.

Member of Contributing Employer	\$75
Member of Non-Contributing Employer	\$500
Affiliate Rate	\$600

SUPERVISION (Chief / Assistant Chief)

		S	M	T	W	T	F	S	Start Date	Times
SF	F22SF029A		◆						08/08/2022	5:00 pm to 8:00 pm

18-Weeks, 3 Hours Per Session, 54 Hours Total. Textbook Included.

Prerequisite: None.

This course will enhance an engineer's present skills and also enable him / her to continue to develop into a successful Assistant or Chief Engineer. Subjects include budget preparation, record keeping, reports, presentations, human relations, planning, time management, computer applications, health and safety issues, and energy conservation.

Member of Contributing Employer	\$75
Member of Non-Contributing Employer	\$500
Affiliate Rate	\$600

VARIABLE AIR VOLUME BASICS

		S	M	T	W	T	F	S	Start Date	Times
SA	F22SA854A				◆				08/10/2022	9:00 am to 12:00 pm

18-Weeks, 3 Hours Per Session, 54 Hours Total.

This course will cover a VAV system from the roof to the boxes in the building. Students will learn about the components on the rooftop that affect the air flow, ductwork and the VAV boxes themselves. An introduction to DDC systems setups is also included. The ability to complete jobsite labs is a requirement of this course.

Member of Contributing Employer	\$75
Member of Non-Contributing Employer	\$500
Affiliate Rate	\$600

Fall 2022 Certification Classes and Courses



EPA TECHNICIAN CERTIFICATION PREPARATION, REVIEW AND EXAM

		S	M	T	W	T	F	S	Start Date	Times
SA	F22SA039A							◆	08/27/2022	8:00 am to 4:30 pm
SA	F22SA039B							◆	10/29/2022	8:00 am to 4:30 pm
SA	F22SA039C							◆	12/10/2022	8:00 am to 4:30 pm
SF	F22SF039A							◆	09/24/2022	8:00 am to 4:30 pm
SF	F22SF039B							◆	11/19/2022	8:00 am to 4:30 pm

1 Session, 8 Hours Total.

Prerequisite: A basic understanding of the refrigerant cycle.

This class is recommended for those who have not previously taken the EPA exam. This eight-hour class will provide six hours of review for the CFC/EPA Certification Exam and a two-hour CFC/EPA Universal testing period. Topics include refrigeration, charging, transportation, recycling, and recovery of chlorofluorocarbons. The EPA requirements covered in this review prepare the student for all levels of certification, (Type I, Type II, Type III and Universal).

Member of Contributing Employer	\$75
Member of Non-Contributing Employer	\$350
Affiliate Rate	\$450

EPA TECHNICIAN CERTIFICATION REVIEW & EXAM

		S	M	T	W	T	F	S	Start Date	Times
SA	F22SA139A							◆	08/27/2022	12:30 pm to 4:30 pm
SA	F22SA139B							◆	10/29/2022	12:30 pm to 4:30 pm
SA	F22SA139C							◆	12/10/2022	12:30 pm to 4:30 pm
SF	F22SF139A							◆	09/24/2022	12:30 pm to 4:30 pm
SF	F22SF139B							◆	11/19/2022	12:30 pm to 4:30 pm

1 Session, 4 Hours Total.

Prerequisite: A basic understanding of the refrigerant cycle and/or previous completion of the Technician Certification for Refrigerants online course.

This four-hour class is designed specifically for students who have already taken the Preparation, Review and Exam class. The class includes a review for the CFC/EPA Certification Exam and a two-hour CFC/EPA Universal testing period. The EPA requirements covered in the review prepare the student for all levels of certification, (Type I, Type II, Type III and Universal).

Member of Contributing Employer	\$50
Member of Non-Contributing Employer	\$350
Affiliate Rate	\$450



Fall 2022 Certification Classes and Courses

HIGH RISE FIRE SAFETY DIRECTOR

		S	M	T	W	T	F	S	Start Date	Times
SF	F22SF023A		◆						08/08/2022	11:00 am to 2:00 pm
SF	F22SF023B		◆						08/08/2022	5:00 pm to 8:00 pm
SF	F22SF023C				◆				08/10/2022	5:00 pm to 8:00 pm
SF	F22SF023D				◆				10/12/2022	5:00 pm to 8:00 pm
SF	F22SF023E		◆						10/17/2022	11:00 am to 2:00 pm
SF	F22SF023F		◆						10/17/2022	5:00 pm to 8:00 pm

← Morning Class

← Morning Class

9 Weeks, 3 Hours Per Session, 27 Hours Total. Textbook Included.

Prerequisite: None.

This course meets and exceeds the requirements of the California Code of Regulations, Title 19 and the City of San Francisco Fire Code as it pertains to the certification of High Rise Fire Safety Directors. The course provides instruction in preparing and updating facility emergency plans, fires prevention guidelines, and a comprehensive review of a buildings fire life safety systems as well as a review of proper evacuation and/or relocation procedures. The course will also provide a general review applicable to all buildings of proper building preparation and response to medical, earthquake, hazardous materials release, bomb threat and civil unrest.

A course term paper and successful performance on two multiple choice tests are required for completion of this course. **The High Rise Fire Safety Director Certification is valid for five (5) years from the date of the class. Certificate of completion is accepted by all cities and fire departments in the San Francisco Bay Area.**

Member of Contributing Employer	\$75
Member of Non-Contributing Employer	\$500
Affiliate Rate •	\$600

HIGH RISE FIRE SAFETY DIRECTOR RENEWAL

		S	M	T	W	T	F	S	Start Date	Times
SF	F22SF123A					◆			09/01/2022	9:00 am to 12:00 pm
SF	F22SF123B		◆						10/10/2022	9:00 am to 12:00 pm
SF	F22SF123C				◆				11/02/2022	9:00 am to 12:00 pm
SF	F22SF123D						◆		12/02/2022	9:00 am to 12:00 pm
SF	F22SF123E			◆					01/03/2023	9:00 am to 12:00 pm

**ALL DATES
TAKING PLACE ONLINE
VIA ZOOM**

1 Session, 3 Hours Total. Textbook Included.

Prerequisite: Registrant must possess a valid Fire Safety Director Certificate: A copy of your valid certificate must be submitted with your registration form.*

This class provides an overview of current federal, state and local laws, codes and policies as well as an overview of the responsibilities of a High Rise Fire Safety Director. This class includes a question and answer session and suggestions on how to handle specific issues at your facility.

***You are eligible to renew if your current certificate's date does not exceed 5 years. THERE ARE NO EXCEPTIONS FOR EXPIRED CERTIFICATES.** The certificate renewal is valid for 5 years from the date of the class.

Member of Contributing Employer	\$75
Member of Non-Contributing Employer	\$350
Affiliate Rate •	\$450

Fall 2022 Certification Classes and Courses



NFPA 70E - LOW VOLTAGE ELECTRICAL SAFETY CERTIFICATION

		S	M	T	W	T	F	S	Start Date	Times
FR	F22FR179A		◆						08/22/2022	8:00 am to 4:30 pm
SA	F22SA179A		◆						08/15/2022	8:00 am to 4:30 pm
SA	F22SA179B		◆						09/19/2022	8:00 am to 4:30 pm
SF	F22SF179A		◆						11/07/2022	8:00 am to 4:30 pm
SF	F22SF179B		◆						12/05/2022	8:00 am to 4:30 pm

1 Session, 8 Hours Total. Textbook Included.

This class is a prerequisite for the NFPA 70E - High Voltage Electrical Safety Certification.

This program meets the requirements of NFPA 70E and OSHA 1910.300 series for working around or on electrical equipment. This is a safety certification class for people working with electricity in the workplace. This program covers low voltage electrical safety, the hazards of working with electrical systems and safe working practices. These laws apply to all areas of Stationary Engineering and other mechanical related fields for Buildings, Hospitals, Production Facilities, Water and Wastewater Plants. The low voltage electrical safety class is good for up to 600 volts. Above that value the high voltage certification class is needed. **Certification is valid for 3 years from class date.**

Member of Contributing Employer	\$75
Member of Non-Contributing Employer	\$350
Affiliate Rate	\$450

NFPA 70E - HIGH VOLTAGE ELECTRICAL SAFETY CERTIFICATION

		S	M	T	W	T	F	S	Start Date	Times
SA	F22SA279A		◆						10/17/2022	8:00 am to 4:30 pm
SA	F22SA279B		◆						11/14/2022	8:00 am to 4:30 pm
SF	F22SF279A		◆						09/26/2022	8:00 am to 4:30 pm
SF	F22SF279B		◆						10/24/2022	8:00 am to 4:30 pm

1 Session, 8 Hours Total. Textbook Included.

Prerequisite: Registrant must possess a valid Local 39 NFPA 70E - Low Voltage Electrical Safety Certificate. A copy of your valid certificate must be submitted with your registration form.

This program meets the requirements of OSHA 1910.269. This is a safety certification class for people working with and around electricity in the workplace. This program covers high voltage electrical safety, the hazards of working with electrical systems and safe working practices. The high voltage electrical safety class is good for voltages from 601 and above. **Certification is valid for 3 years from class date.**

Member of Contributing Employer	\$75
Member of Non-Contributing Employer	\$350
Affiliate Rate	\$450



AUTOMATIC TRANSFER SWITCHES & GENERATORS

		S	M	T	W	T	F	S	Start Date	Times
SA	F22SA609A				◆				10/19/2022	8:00 am to 3:30 pm
SF	F22SF609A				◆				09/14/2022	8:00 am to 3:30 pm

1 Session, 7 Hours Total.

This class will instruct the students in the basics of automatic transfer switch operation and maintenance and troubleshooting, as well as proper generator operation maintenance and troubleshooting. This class covers a wide variety of generators and will not be equipment specific. In addition, topics will include the frequency of proper PM's (preventive maintenance) and checklists that apply to all generators when providing maintenance.

Member of Contributing Employer	\$50
Member of Non-Contributing Employer	\$300
Affiliate Rate	\$400

BASIC MASTER-KEYING AND PINNING

		S	M	T	W	T	F	S	Start Date	Times
SA	F22SA801A					◆			10/13/2022	8:30 am to 4:00 pm
SF	F22SF801A					◆			09/15/2022	8:30 am to 4:00 pm

1 Session, 7 Hours Total.

The class will cover the basics of pinning of cylinders how to read a master key system. What types of followers to use, what shims are used for, also how to use a key gauge. This class will emphasize Schlage keys biting and pinning only.

Member of Contributing Employer	\$50
Member of Non-Contributing Employer	\$300
Affiliate Rate	\$400

BLUEPRINT READING

		S	M	T	W	T	F	S	Start Date	Times
SA	F22SF556A		◆						10/03/2022	8:00 am to 3:30 pm

1 Session, 7 Hours Total.

This course will provide an overview of the theories used in putting drawings on paper and review the terminology found on blueprints commonly used in the maintenance of buildings. The class will include lecture, hands on drills, and skill enhancement exercises.

Member of Contributing Employer	\$50
Member of Non-Contributing Employer	\$300
Affiliate Rate	\$400



Fall 2022 SEMINARS



BOILERS

		S	M	T	W	T	F	S	Start Date	Times
SA	F22SA835A					◆			11/03/2022	8:00 am to 4:30 pm
SF	F22SF835A						◆		09/30/2022	8:00 am to 4:30 pm

1 Session, 8 Hours Total.

This class covers both water and steam boilers. The topics that will be covered include: boiler operation; boiler components; the various applications of water and steam boilers; and boiler maintenance (e.g. daily and weekly routines, and proper intervals for maintenance on the different components).

Member of Contributing Employer	\$50
Member of Non-Contributing Employer	\$300
Affiliate Rate	\$400

BOILER BASICS (EMPHASIS STEAM BOILERS)

		S	M	T	W	T	F	S	Start Date	Times
SA	F22SA530A							◆	08/20/2022	8:00 am to 3:30 pm

1 Session, 7 Hours Total.

This seminar will provide a fundamental understanding of Boilers Operation and Maintenance. The instructor will cover interlock and limit controls; discussion of low water, airflow-limits, interlocks, pivot valve train, main valve train, and approved safety controls specifications such as flame detection types. This training will also include safe operating procedures and safety control adjustments.

Member of Contributing Employer	\$50
Member of Non-Contributing Employer	\$300
Affiliate Rate	\$400

CENTRIFUGAL CHILLERS

		S	M	T	W	T	F	S	Start Date	Times
SA	F22SA912A					◆	◆		09/08/2022	8:00 am to 4:30 pm
SF	F22SF912A					◆	◆		10/27/2022	8:00 am to 4:30 pm

2 Sessions, 8 Hours Per Session, 16 Hours Total.

This is a two day program designed to provide detailed information about Centrifugal chillers and their place in the air conditioning community. Workshops break the chillers down into sections, with a complete understanding of each component. The instructor will cover chiller operation to include lift, approach, temperature and pressure relationships and heat exchange mediums. Cooling demand, controls and adjustments. The program involves a detailed understanding of chiller logs and the identification of problems. The student will gain an understanding of proper PM and inspections required to monitor and maintain system efficiency and safety, such as water treatment, cooling towers, refrigerants and mechanical rooms.

Member of Contributing Employer	\$75
Member of Non-Contributing Employer	\$300
Affiliate Rate	\$400



CONFINED SPACE AWARENESS

		S	M	T	W	T	F	S	Start Date	Times
SA	F22SA074A		◆						09/19/2022	8:00 am to 3:30 pm
SF	F22SF074A		◆						08/08/2022	8:00 am to 3:30 pm

1 Session, 7 Hours Total. Manual Included.

Prerequisite: None.

This class provides training in accordance with OSHA regulations that provides a basis for the safe entry and work within confined spaces, hazard identification, and the use of specialized equipment to ensure worker safety and health. Students must pass a written exam at the conclusion of class to receive a certification of completion.

Member of Contributing Employer	\$50
Member of Non-Contributing Employer	\$300
Affiliate Rate	\$400

FIRE EXTINGUISHER TRAINING

		S	M	T	W	T	F	S	Start Date	Times
SF	F22SF738A				◆				09/14/2022	9:00 am to 12:00 pm
SF	F22SF738B				◆				10/19/2022	9:00 am to 12:00 pm

1 Session, 3 Hours Total.

Train-the-Trainer, Portable Fire Extinguisher Training. Complies with OSHA 29, CFR 1910.157 Standard Portable Fire Extinguishers.

(Weather conditions may alter the class schedule.)

Course will include: Fire behavior, Fire Stages, Fire classes, Extinguisher Types, Extinguishing, and Practical evolutions with live fire. Multiple-choice test included. Certificate as a Fire Extinguisher Trainer will be awarded upon successful completion.

Member of Contributing Employer	\$50
Member of Non-Contributing Employer	\$250
Affiliate Rate	\$300

FIRE PUMP TEST PREPARATORY TRAINING

		S	M	T	W	T	F	S	Start Date	Times
HY	F22HY538A		◆						09/26/2022	9:00 am to 12:00 pm
SF	F22SF538A		◆						08/29/2022	9:00 am to 12:00 pm
SF	F22SF538B		◆						10/24/2022	9:00 am to 12:00 pm
SJ	F22SJ538A		◆						11/28/2022	9:00 am to 12:00 pm

1 Session, 3 Hours Total.

Note: This course does not include the fees for registration to take the OSFM Certification Test.

The purpose and scope of the class is to serve as a coaching course to better prepare a Stationary Engineer to be successful when taking the closed book Office State Fire Marshal (OSFM) multiple-choice Certificate Test on the Weekly Inspection, Testing & Maintenance of Building Fire Pumps. The instructor will provide an overview of the law, guidance on completing the OSFM forms, weekly fire pump test study material, and in-class review of weekly fire pump test procedures and information.

By California State law, each building must maintain a copy of the NFPA 25 – (Current Edition information will be provided during training), Testing, and Maintenance of Water Based Fire Protection Systems, which is also required for the purpose of class study.

Member of Contributing Employer	\$50
Member of Non-Contributing Employer	\$300
Affiliate Rate	\$400



Fall 2022 SEMINARS



HANDS-ON REFRIGERATION LABS

		S	M	T	W	T	F	S	Start Date	Times
SA	F22SA613A							◆	10/08/2022	8:00 am to 3:30 pm

3 Weeks, 7 Hours Per Session, 21 Hours Total.

Prerequisite: A basic understanding of air conditioning systems.

Class size is limited to no more than 16 students for quality instruction, so register early!

This seminar was designed to help students enhance their knowledge of air conditioning and refrigeration systems. The students will learn the operations, systems evacuation, charging, cycling, and specific controls and parameters of HVAC units through hands-on lab projects. This seminar will also cover basic troubleshooting, basic air flow measurements and basic electrical troubleshooting techniques.

Attendees must furnish their own safety goggles.

Member of Contributing Employer	\$75
Member of Non-Contributing Employer	\$400
Affiliate Rate	\$500

INDOOR AIR QUALITY

		S	M	T	W	T	F	S	Start Date	Times
SA	F22SA027A						◆		11/04/2022	8:00 am to 4:30 pm
SF	F22SF027A					◆			09/29/2022	8:00 am to 4:30 pm

1 Session, 8 Hours Total.

Members who complete this course will get a certificate of completion. Course topics include preventative maintenance systems, record keeping, HVAC (Heating, Ventilation, Air Conditioning) systems, permissible limits, investigation procedures and the process for dealing with indoor air quality issues.

Member of Contributing Employer	\$75
Member of Non-Contributing Employer	\$400
Affiliate Rate	\$500



SPREADSHEETS 4HR SEMINAR

		S	M	T	W	T	F	S	Start Date	Times
SF	F22SF956A					◆			09/15/2022	8:00 am to 12:00 pm
SF	F22SF956B			◆					11/15/2022	8:00 am to 12:00 pm

1 Session, 4 Hours Total.

Starting with the basics and moving at an accelerated pace to more advanced features, you'll learn how to turn Excel into your most powerful productivity tool. If you're only tapping into a few of the features of this powerful and versatile software, get set for a productivity explosion. You'll learn many ways to work faster, smarter and more efficiently.

You'll learn essential spreadsheet skills designed for the Stationary Engineer. Example files will be provided and performed on laptops in the Computer Lab. Some of the topics covered are: general budgeting and accounting principles, utilities tracking and variance reporting, cost control of material purchases and services, attendance planning and tracking, life-cycle cost analysis, preventive maintenance, energy conservation, safety programs, and tracking fire alarm testing and preparing for the annual SFFD High-Rise Inspection.

Member of Contributing Employer	\$50
Member of Non-Contributing Employer	\$300
Affiliate Rate	\$400



MOTOR BASICS

		S	M	T	W	T	F	S	Start Date	Times
SA	F22SA906A		◆						09/12/2022	8:00 am to 3:30 pm

1 Session, 7 Hours Total.

This class will cover the basics to motors and the different motor types, what helps get them going, basic troubleshooting and basic wiring of three-phase motors.

Member of Contributing Employer	\$50
Member of Non-Contributing Employer	\$300
Affiliate Rate	\$400

Fall 2022 SEMINARS



MYSTERIES OF THE MASTERKEY CHART

		S	M	T	W	T	F	S	Start Date	Times
SF	F22SF803A					◆			12/01/2022	9:00 am to 12:00 pm

1 Session, 3 Hours Total.

Are you interested in the mysteries of Master Key Charts? How does a locksmith know which key to cut for a specific door in your facility that doesn't operate any of the others? How can you create master keys of different levels? What else do these keys operate? This seminar will dissect how a Master Key System is built and managed. We include tricks and tips to make the system do more.

Member of Contributing Employer	\$50
Member of Non-Contributing Employer	\$300
Affiliate Rate	\$400

REFRIGERATION HANDS-ON: RECOVERING & CHARGING AND COPPER PIPING FLARING, SWAGING & BRAZING

		S	M	T	W	T	F	S	Start Date	Times
HY	F22HY722A							◆	09/10/2022	8:00 am to 4:30 pm
SF	F22SF722A							◆	08/20/2022	8:00 am to 4:30 pm
SJ	F22SJ722A							◆	10/08/2022	8:00 am to 4:30 pm

2 Sessions, 16 Hours Total.

The Instructor will cover the correct ways to recover refrigerant from a system; the correct charging methods using EPA tracking logs; and refrigerant piping, flaring, swaging and brazing.

Member of Contributing Employer	\$75
Member of Non-Contributing Employer	\$400
Affiliate Rate	\$500



VARIABLE FREQUENCY DRIVE BASICS

		S	M	T	W	T	F	S	Start Date	Times
SA	F22SA312A							◆	09/03/2022	8:00 pm to 3:30 pm

2 Sessions, 14 Hours Total.

This seminar expands on the 3 hour class with hands-on exercises. This class will provide a fundamental understanding of variable frequency drives (VFD's) as applied to Heating, Ventilation and Air Conditioning. Students will learn how VFD's work and their application on fan motors and pump motors in HVACR Systems, how VFD's extend the motor life, and how they reduce maintenance costs.

Member of Contributing Employer	\$75
Member of Non-Contributing Employer	\$400
Affiliate Rate	\$500



JOB-SITE Training

The cornerstone of Local 39's training has always been our ability to save and reduce costs while operating the buildings we represent in the most efficient way possible. We can provide skilled training for your job site's specific needs and will facilitate a training platform that best suits your job site, our membership, and the bottom line of management.

Examples are:

3 HOUR SEMINARS INCLUDE

- Fire Pump Test Prep. Training
- High Rise Fire Safety Director Renewal

6-8 HOUR SEMINARS INCLUDE

- Air Flow for Buildings
- Variable Air Volume
- Confined Space
- Fire Extinguisher Training
- Planning a Fire Safety Program
- Variable Frequency Drives [VFD's]
- EPA Test Prep and Test
- Nate Core Test Prep
- Basic Master Key Planning
- Cooling Tower and Water Treatment
- And More...

Call the Local 39 Training Center Headquarters at (415) 285-3939 to determine the availability for classes.

To assist us in fulfilling your needs, please include the following information in your email, and to satisfy your training request, we encourage you to plan your training at least 60-90 days in advance.

- 1) Course/Class of interest
- 2) Training Objective
- 3) Time/day best for scheduling
- 4) Deadline to complete the training
- 5) Number of members and their union status (MCE, MNCE, Affiliate, and/or Unit#)
- 6) Location of training site
- 7) Contact person and telephone number

A one-time administrative fee, per course, will be charged for all jobsite training requests in addition to the advertised member registration rates listed in this catalog, and any other outside costs related to the training requests.

Image courtesy of American Technical Publishers, Inc.

Fall 2022 FREE WEBINARS



CHILLED WATER PLANTS: BASIC PRINCIPLES, ONGOING COMMISSIONING/OPERATION, AND OPTIMIZATION

		S	M	T	W	T	F	S	Start Date	Times
SF	F22SF915A			◆		◆			10/18/2022	8:30 am to 12:30 pm

2 Sessions, 8 Hours Total.

This class will focus on chilled water plants including the basic operating principles behind them and their equipment, on-going commissioning and operation of these plants, and optimization strategies that can be applied to them. The morning session will focus on the basic principles behind the various components in a typical plant including pumps, piping and distribution systems, heat rejection equipment, and chillers and refrigeration cycles. The training will include exercises where students will interactively explore a chiller plant model to identify opportunities for improvement based on the principles discussed earlier in the session. The afternoon session will illustrate how the principles discussed in the morning session can be applied to improve plant performance and efficiency via a series of case studies that explore pump optimization, cooling tower optimization, chiller optimization and plant staging strategy optimization. Where possible, the instructor will use interactive discussions, interactive exercises, spreadsheet tools, free software tools, and SketchUp models to facilitate the attendee understanding by having them apply some of the principles while in the classroom.

Member of Contributing Employer	FREE
Member of Non-Contributing Employer	FREE
Affiliate Rate	FREE

COMMERCIAL BUILDING WATER AUDITS

		S	M	T	W	T	F	S	Start Date	Times
SF	F22SF557A			◆					11/15/2022	8:30 am to 4:30 pm

1 Session, 8 Hours Total.

This one-day program serves as an overview on how to conduct basic water audits at Commercial Facilities. This training will instruct attendees in basic techniques to perform interior water audits and will provide basic information and resources in the concepts of exterior and landscape irrigation audits. The program focuses on skill building and will develop attendees' ability to identify common water-consuming appliances and water-saving opportunities. Other training topics will include standard data collection techniques using various methods, water use calculations and documentation strategies. Water audit activities will be simulated as part of this webinar using site photos, videos and other resources.

Member of Contributing Employer	FREE
Member of Non-Contributing Employer	FREE
Affiliate Rate	FREE

HOLISTIC APPROACH TO PUMPING SYSTEMS UPGRADES

		S	M	T	W	T	F	S	Start Date	Times
SF	F22SF578A				◆				09/07/2022	8:30 am to 12:30 pm

1 Session, 4 Hours Total.

Pump efficiency projects at commercial facilities involve replacement, component retrofits, or addition of equipment or controls to existing/baseline pumping equipment to increase the overall pumping efficiency of the system. This class will look at pumping systems holistically with a focus on a combination of improvements to a pumping system with the intent to increase the overall efficiency.

Member of Contributing Employer	FREE
Member of Non-Contributing Employer	FREE
Affiliate Rate	FREE



Training Locations



SAN FRANCISCO

Local 39 San Francisco Training Center (HQ)
560 Barneveld Avenue
San Francisco, CA 94124
Office: (415) 285-3939
Fax: (415) 285-6916

Office Hours:
Monday - Friday 8:00am - 4:30pm



SAN JOSE

South Bay Union Hall and Training Center
2102 Almaden Road, Suite 107
San Jose, CA 95125



HAYWARD

Hayward Center for Education and Careers
22100 Princeton Street, Room S-5
Hayward, CA 94541



SACRAMENTO

Local 39 Sacramento Training Center
3325 Myrtle Ave.
North Highlands, CA 95660
Office: (916) 928-0200
Fax: (916) 928-0210

Office Hours:
Monday - Friday 8:00am - 4:30pm



FRESNO

Local 39 Union Hall and Training Center
4644 West Jacquelyn Avenue
Fresno, CA 93722



RED BLUFF

Local 39 Union Hall
285 Sale Lane
Red Bluff, CA 96080



Local 39 Training Department
560 Barneveld Avenue
San Francisco, CA 94124

NON PROFIT
ORGANIZATION
U.S. POSTAGE
PAID
PERMIT NO. 2008
SACRAMENTO
CALIFORNIA

Visit www.local39training.org

For the latest training information, visit us online.
View the course schedule, get directions and
download a registration form or register
online at our site.

Local 39 Fall 2022

Bart Florence Business Manager-Recording Secretary, I.U.O.E. Trustee
Shane Mortensen Director of Training

