

# HVAC TECHNICIAN SEMINARS



**Residential Gas Furnaces:** We will cover 80% & 90% gas furnaces, operation, controls, sequence of operation, circuit boards and troubleshooting. Combustion air and venting requirements will also be covered. Instructor Jim Fleming, class hours 6-9 pm. NATE approved 4 CEH's, course #8555-0012. CEH's apply to GSSV.

11/08/16 Camarillo      12/06/16 Riverside  
11/29/16 San Diego      12/08/16 Industry  
12/01/16 Burbank

**Residential Airflow & Distribution:** The class will start by covering the basics of airflow, duct sizing, layout and then wrap it up with servicing and diagnosing air side systems. Instructor Mike Welsh, class hours 6-9 pm. NATE approved 3 CEH's, course #8555-0013. CEH's apply to ACIN, ADIN, HPIN, GSIN, OLIN, HGIN, HOIN, ACSV, ADSV, HPSV, GSSV, OLSV, HGSV, HOSV.

01/03/17 Industry      01/17/17 Cathedral City  
01/05/17 Burbank      01/19/17 Chatsworth  
01/10/17 Anaheim      01/24/17 San Diego  
01/12/17 Camarillo

**Simplicity Smart Equipment Controls:** This class will focus on the SSE controller which is replacing all previous Simplicity control boards previously used in York Commercial package and split system units. This new Microprocessor based control technology has LED display, a programmable USB interface and digital diagnostic readouts. The control delivers information on unit status, start-up and commissioning features, unit setup, supply, return and outdoor air temperatures and plug and play accessories. Information on usage of the Mobile Access Portal (MAP) device and Field Fault Detection (FDD) will also discuss. This SSE control will be in all commercial 3 to 40 ton capacity package & 7.5 to 50 ton Split units applied in both constant and variable volume systems. Troubleshooting and functional manuals will be provided as part of the handout materials. Instructor is Craig Walker. PLEASE NOTE CLASS WILL BEGIN AT 5:00 AND END AT 9:00 PM. NATE approved 4 CEH's-course #8555-0016. CEH's apply to HPIN, HPSV, ACSV, ACIN, GSSV, GSIN, ADIN, ADSV

01/26/17 Industry      02/15/17 Anaheim  
02/01/17 San Diego      02/21/17 Camarillo  
02/08/17 Riverside      02/23/17 Burbank

**Heat Pumps:** Let's solve some of the mysteries surrounding heat pumps systems. We will start with familiarization and dive into wiring, charging, servicing and troubleshooting package and split system heat pumps. Instructor Bruce Neilson, class hours 6-9 pm. NATE approved 3 CEH's, course #8555-0011. CEH's apply to CRIN, ACIN, HPIN, CRSV, ACSV, HPSV, EASR.

01/31/17 Riverside      02/14/17 Burbank  
02/02/17 Industry      02/16/17 Cathedral City  
02/07/17 San Diego      02/22/17 Camarillo  
02/09/17 Anaheim

**Mitsubishi Mr. Slim:** This service seminar will provide the participant with a brief overview of information required for designing, installing, commissioning and servicing Mr. Slim M&P series systems. Some of the objectives are: a description of their components, refrigerant flow, appropriate tubing requirements, high and low voltage wiring, internal electrical circuits, typical operation, pressure and temperature reading and voltage measurements during a system check of the Mr. Slim system. The course is recommended for installers, startup and service personnel for Mr. Slim M&P systems. Instructor is Bruce Neilson. PLEASE NOTE CLASS WILL BEGIN AT 5:00 AND END AT 9:00 PM. NATE credits given, course #1650-0003.

03/02/17 Camarillo      03/14/17 San Diego  
03/07/17 Riverside      03/16/17 Burbank  
03/09/17 Anaheim      03/28/17 Industry

**Refrigerant Piping:** Class will cover the design criteria for the application and sizing of the liquid lines, suction lines, and discharge lines. Long line applications will be evaluated regarding the sizing and additional accessories that are required. Charging requirements for additional piping length will also be covered. Instructor, Mike Welsh, class hours 6-9 pm. NATE approved, course #8555-0020. CEH's apply to ACIN, ACSV, HPIN, HPSV, RCIN, RCSV, LCIN, LCSV

04/04/17 Industry      04/18/17 Camarillo  
04/06/17 Anaheim      04/20/17 Burbank  
04/11/17 Riverside      04/25/17 San Diego  
04/13/17 Chatsworth

**Air Conditioning Mechanical Troubleshooting:** This class will cover diagnostic troubleshooting of the mechanical refrigeration system. We will evaluate system problems by systematically determining causes and effect when different components in the system malfunction. Instructor Mike Welsh, class hours 6-9 pm. NATE approved 3 CEH's, course #8555-0015. CEH's apply to ACIN, HPIN, ACSV, HPSV.

05/02/17 Camarillo      05/16/17 Industry  
05/04/17 Anaheim      05/18/17 Cathedral City  
05/09/17 Riverside      05/23/17 Chatsworth  
05/11/17 San Diego

**Instructor-led evening classes to assist the service professional to stay updated and informed. USACD is a NATE recognized training provider.**

## General Information

**Tuition:** The tuition for each class is \$40.00. Tuition is due at time of registration via check, money order or credit card. Companies with an active line of credit may submit a purchase order.

**Discounts:** *Multiple Student Discount* - Receive a \$5.00 discount per student when registering two or more students to the same class. Students must attend to receive the discount. *Certified Comfort Expert Discount* - Receive a \$10.00 discount per student; multiple student discount cannot be applied (Please identify disc in the tuition portion of the registration form).

**Class Locations:** Held at USACD branch locations except for Camarillo. Camarillo classes are held at the Best Western, 295 E. Daily Drive.

**RSVP's and Cancellations:** Please pre-register for seminars. RSVP's can be done online <http://www.us-ac.com/TrainingSignup.asp> or completing a registration form and submitting by fax. RSVP's and cancellations must be made 24 hours in advance. Student substitutions are always welcome if the registrant is unable to attend. Late cancellations and no shows will be billed for the class.

**Miscellaneous:** A light meal is included prior to start of class. Most classes qualify for 3 hours of NATE continuing education credit. Classes are subject to a minimum enrollment and to change without notice. Instructors are US Air Conditioning Distributor employees in the Customer Assurance Department.

**Questions:** Please contact Marie Rohde [m.rohde@us-ac.com](mailto:m.rohde@us-ac.com) or 626-854-6833.

### Legend for NATE abbreviations:

ACIN	Air Conditioning- Air to Air: Installer
ACSV	Air Conditioning – Air to Air: Service
ADIN	Air Distribution – Low Pressure: Installer
ADSV	Air Distribution – Low Pressure: Service
CRIN	Core: Installer
CRSV	Core: Service
EASR	HVAC Efficiency: Senior
GSIN	Heating – Warm Air – Gas: Installer
GSSV	Heating – Warm Air – Gas: Service
HGIN	Heating – Hydronics – Gas: Installer
HGSV	Heating – Hyrdronics – Gas: Service
HOIN	Heating – Hydronics – Oil; Installer
HOSV	Heating – Hydronics – Oil; Service
HPIN	Heating – Reverse Cycle Air to Air: Installer
HPSV	Heating – Reverse Cycle Air to Air: Service
LCIN	Light Commercial Refrigeration: Installer
LCSV	Light Commercial Refrigeration: Service
OLIN	Heating – Warm Air – Oil: Installer
OLSV	Heating – Warm Air – Oil; Service
RCIN	Commercial Refrigeration: Installer
RCSV	Commercial Refrigeration: Service

## CLASS REGISTRATION FORM

Student Name(s)

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Company Name

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Email

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Telephone

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Address/Street/City

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Desired Class(es)/Date(s)

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Payment Method

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Check or money order payable to USACD

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Cardholder name printed \_\_\_\_\_

Cardholder signature \_\_\_\_\_

Exp date \_\_\_\_\_ Security code \_\_\_\_\_

By signing and sending this form you authorize USACD to process the above amount to the listed credit card number and to the terms outlined in the course advertisement.

*RSVP one of these easy methods*

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