



# 2025 Training Class Schedule

## August - December

### SOCALGAS, DOWNEY

#### AUGUST

##### System Performance Module

(4 Night In-Person Class Cont.)

Instructors: Mike Griffin / John Dalton  
Wed., Aug. 6 – Part 3  
Thurs., Aug. 7– Part 4



#### SEPTEMBER

##### NATE Core & Gas Heating

(4 Night Class Webinar)

Instructors: Mike Griffin / John Dalton  
Mon., Sept. 15 – Part 1  
Tues., Sept. 16 – Part 2  
Mon., Sept. 22 – Part 3  
Tues., Sept. 23 – Part 4



#### OCTOBER

##### NATE AC/HP Refrigeration & Air Distribution

(4 Night Class Webinar)

Instructors: Mike Griffin / John Dalton  
Mon., Oct. 20 – Part 1  
Tues., Oct. 21 – Part 2  
Mon., Oct. 27 – Part 3  
Tues., Oct. 28 – Part 4  
NATE Exam: Saturday  
Nov. 1 @7:30AM

### SOUTHERN CALIFORNIA EDISON, IRWINDALE

#### SEPTEMBER

##### System Diagnostics Module

(4 Night In-Person Class)

Instructor: John Dalton  
Wed., Sept. 3 – Part 1  
Thurs., Sept. 4– Part 2  
Wed., Sept. 10 – Part 3  
Thurs., Sept. 11 – Part 4

#### OCTOBER

##### Commercial Chiller Module

(2 Night In-Person Class)

Instructor: John Dalton  
Wed., Oct. 1 – Part 1  
Thurs., Oct. 2 – Part 2

##### Commercial Boiler Module

(2 Night in-Person Class)

Instructor: John Dalton  
Wed., Oct. 8 – Part 1  
Thurs., Oct. 9 – Part 2

#### NOVEMBER

##### System Performance Module

(4 Night In-Person Class)

Instructors: Mike Griffin / John Dalton  
Wed., Nov. 5 – Part 1  
Thurs., Nov. 6 – Part 2  
Mon., Nov. 10 – Part 3  
Wed., Nov. 12 – Part 4

### RHA THE LEARN PROGRAM, SAN DIEGO

#### SEPTEMBER

##### System Performance Module

(4-Night Webinar Class)

Instructors: John Dalton/Mike Griffin  
Wed., Sept. 17 - Parts 1-2  
Thurs., Sept. 18 - Parts 3-4  
Wed., Sept. 24 - Parts 5-6  
Thurs., Sept. 25 - Parts 7-8

### SOUTHERN CALIFORNIA EDISON, TULARE

#### SEPTEMBER

##### AC/HP Refrigeration Module

(4 Night In-Person Class)

Instructor: Mitch Bailey  
Wed., Sept. 17 – Part 1  
Thurs., Sept. 18 – Part 2  
Wed., Sept. 24 – Part 3  
Thurs., Sept. 25 – Part 4



#### OCTOBER

##### NATE Core Training

(2 Night In-Person Class)

Instructor: Mitch Bailey  
Wed., Oct. 8 – Part 1  
Thurs., Oct. 9 – Part 2



##### NATE Gas

##### Heating Training

(2 Night In-Person Class)

Instructor: Mitch Bailey  
Wed., Oct. 15 – Part 1  
Thurs., Oct. 16 – Part 2



##### NATE AC/HP Refrigeration

(2 Night In-Person Class)

Instructor: Mitch Bailey  
Wed., Oct. 29 – Part 1  
Thurs., Oct. 30 – Part 2



#### NOVEMBER

##### NATE Air Distribution Training

(2 Night In-Person Class)

Instructor: Mitch Bailey  
Wed., Nov. 5 – Part 1  
Thurs., Nov. 6 – Part 2

NATE Exam: Saturday Nov. 8 @7:30AM

##### Non-Res ATT – Acceptance Testing Technician Training

(2-Night Webinar Class)

Instructors John Dalton/Mike Griffin  
Wed., Nov. 19 - Part 1  
Thurs., Nov. 20 - Part 2

### PACIFIC GAS AND ELECTRIC COMPANY, STOCKTON

#### SEPTEMBER

##### Tools for Assessing HVAC and Building Performance

(3 Nights: Webinar & In-Person)

Instructors: Mitch Bailey / Bob Gunn  
Tues., Sept. 2 - Part 1 (Webinar)  
Wed., Sept. 3 - Part 2 (In-Person)  
Thurs., Sept. 4 - Part 3 (In-Person)

##### AC-HP Refrigeration Module

(4-Night Webinar Class)

Instructors: Mitch Bailey / Bob Gunn  
Mon., Sept. 15 – Part 1  
Tues., Sept. 16 – Part 2  
Mon., Sept. 22 – Part 3  
Tues., Sept. 23 – Part 4

#### OCTOBER



##### NATE Core (General Skills) and Gas Heating

(4 Night In-Person/Simulcast Class)

Instructors: Mitch Bailey / Bob Gunn  
Mon., Oct 6 - Part 1  
Tues., Oct 7 - Part 2  
Mon., Oct. 13 - Part 3  
Tues., Oct 14 - Part 4



##### NATE Air Conditioners/Heat Pumps and Air Distribution

(4 Night In-Person/Simulcast Class)

Instructors: Mitch Bailey / Bob Gunn  
Mon., Oct. 20 – Part 1  
Tues., Oct. 21– Part 2  
Mon., Oct. 27– Part 3  
Tues., Oct. 28– Part 4  
NATE Exam: Saturday  
Nov. 1 @7:30AM

##### Maintaining and Optimizing Commercial Chillers for Efficiency Series

(2 Night Webinar Class)

Instructors: Mike Griffin / John Dalton  
Wed., Oct. 22 – Part 1  
Thurs., Oct. 23 – Part 2

##### Maintenance and Operation of Commercial Cooling Towers for Efficiency Series

(2 Night Webinar Class)

Instructors: Mike Griffin / John Dalton  
Wed., Oct. 29 - Part 1  
Thurs., Oct. 30 - Part 2

# YOUR HVAC JOURNEY BEGINS HERE



IN-PERSON CLASSES: 6:00 PM TO 9:00 PM • WEBINARS: 6:00 PM TO 8:00 PM  
IN-PERSON CLASSES: DINNER 5PM - 6PM • CLASSES ARE SUBJECT TO CHANGE  
REGISTER FOR THESE NO FEE CLASSES AT [WWW.IHACI.ORG](http://WWW.IHACI.ORG) (TRAINING)  
NOTE: IF YOU'RE UNABLE TO ATTEND THE TRAINING CLASS, PLEASE LET US KNOW IN ADVANCE.  
CONTACT IHACI AT (818) 551-1555 OR [IHACI@IHACI.ORG](mailto:IHACI@IHACI.ORG). THANK YOU





**Knowledge is Power**

#### **AC/HP Refrigeration Module (4-Part Series)**

Maximize your evenings to advance your practical skills in air conditioning and heat pump systems. This intermediate level, four-part evening series trains HVAC/R technicians to properly design, install, maintain, diagnose and service residential and light commercial air conditioning and heat pump systems as they apply to the California market including conducting a thorough commissioning of an HVAC system following a 10-step process.

#### **Commercial Boiler Module (2-Part Series)**

This two-part intermediate level seminar focuses on the fundamental theory and basic operating principles of commercial boiler systems including types (hot water and steam) and fuel sources. It prepares participants with the required skills for proper commercial boiler installation, operation, maintenance and service. Part one details the operating principles of commercial boilers including types and fuel sources, critical components, preventive maintenance and safety including recognizing potential for explosions and differentiating between conventional and condensing boilers. Part two trains participants in the installation, operation and service practices of commercial boilers systems including key components, boiler pressure and relief systems, analyzing steam and condensate systems and energy efficiency, boiler system design, and maintenance best practices.

#### **Commercial Chiller Module (2-Part Series)**

This two-part seminar focuses on the fundamental theory and basic operation of commercial chiller systems. The first part details the basic principles of commercial chiller operation, differentiating between air-cooled, water-cooled and evaporative cooled chillers. The second part focuses on the installation, operation and service practices of commercial chillers including the function and applications of various compressor types, the operation of direct expansion and flooded evaporators, developing maintenance strategies, evaluating antifreeze solutions and their impact on system performance, preventive maintenance and troubleshooting.

#### **Commercial Cooling Towers Module (2-Part Series)**

This two-night seminar focuses on the fundamental theory and basic operating principles of commercial cooling towers including direct (open) and indirect (closed) cooling tower systems and their applications. It prepares participants with the required skills for proper commercial cooling tower installation, operation, maintenance and service practices. Part one examines cooling tower operations including the principles of heat rejection, cooling tower classifications including differentiating between direct and indirect systems and their applications, thermal performance and system integration including cooling towers' role in improving the thermodynamic efficiency of HVAC/R systems, cooling tower key components and their functions. Part two details the proper installation, operation and service practices of commercial cooling towers including airflow and waterflow configurations and construction types, counterflow versus crossflow cooling tower designs, developing preventive maintenance strategies and integrating cooling towers in HVAC systems including efficiency and performance implications of proper water and airflow management.

#### **NATE Certification Training Series (8-Part Series)**

This 8-night series is divided into two, 4-night modules: NATE Core Gas Heating and NATE AC/HP and Air Distribution. It is specifically designed to help experienced HVAC professionals prepare for the NATE Certification Exam. Throughout all sessions, instructors will offer tips and strategies to take the NATE Certification Exam. Practice questions and several mock exams will be provided to build confidence and proficiency. Following this

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COST HVAC COURSES that will give you  
a step up in your career.**

**Join our experienced instructors that  
are actively involved in the HVAC/R  
industry & will provide you with the  
latest advanced technologies.**

8-night series, students will have an opportunity to complete the NATE exam on a Saturday. Please note that while the preparation series is free of charge, there is a fee for the NATE exam. Attending the entire 8-night series is strongly suggested.

#### **Non-Res ATT – Acceptance Testing Technician Training (2-Part Series)**

This two-part webinar series is specifically designed to help experienced HVAC professionals prepare for successfully completing the Refrigeration Service Engineers Society's Mechanical Acceptance Testing Technician Qualification Exam. For the convenience of working professionals, these classes are held on weekday evenings and will be followed by an opportunity to complete the Exam online through the ESCO Group. There will be a fee for the RSES exam; however, there is no charge for this preparation series. This training opportunity is offered as part of the Institute of Heating and Air Conditioning Industry's (IHACI) commitment to provide exceptional service. This 2-night webinar series is designed for experienced HVAC professionals, and is NOT a beginning, or intermediate Module series. Attending the entire 2-part series is required to qualify to sit for the RSES Exam.

#### **System Diagnostics Module (4-Part Series)**

This four-part, advanced level seminar equips participants with the skill sets required to properly obtain, record, evaluate, identify and eliminate all operating problems reported and revealed through the diagnostic process. Participants will be trained in the essential field techniques required to investigate the HVAC/R system including defining and recording systems, observing and measuring and recording data and data comparisons. Next, it focuses on evaluating, analyzing and ultimately identifying the root cause(s) of the HVAC/R system including evaluating and analyzing data and investigating causal relationships. It concludes with the accurate elimination and verification of the root cause(s) of the HVAC/R system including selecting and implementing corrective actions, client communication and decision making and post-action evaluation and documentation.

#### **System Performance Module (4-Part Series)**

This four-part seminar focuses on the fundamentals and theory behind residential and light commercial HVAC system performance as applied to the California market. The module starts with introducing thermodynamics and heat transfer in HVAC, system performance factors, measurement, building science and HVAC load considerations. It then focuses on the HVAC system as a subsystem of the building, including advanced building thermal performance, air movement, pressure control, system commissioning and static pressure management. Training continues with a focus on heating systems, understanding the complete HVAC system, airflow tools and measurement, the Equal Friction method, quality maintenance and commissioning. The module concludes with cooling systems including psychrometrics and total heat content including using a psychrometric chart, three mass fluid flows and field measurements for cooling system capacity and efficiency.

#### **Tools for Assessing HVAC and Building Performance (3-Part Series)**

This course gives you practical training and tools to elevate your skills as well as enhance your business operations. By applying what you learn, you'll be able to provide more effective solutions to your customers, stand out in a competitive market, and drive your revenue growth through performance contracting.



**REGISTRATION: Pre-registration is required for each night, visit:  
<https://www.ihaci.org/hvac-training/training-offerings-registration>**