

January—June 2010 Training Schedule

INSTALLATION & SERVICE COURSES

(Classes noting CEU hours are approved for State of Alabama Contractor Continuing Education and/or NATE CEUs)

1201 - Foundations for Troubleshooting Gas Furnaces: (27 State and NATE CEUs) 4 Days. Systematic implementation of dual fuel system analysis procedure. Gain working knowledge of dual fuel heat pump systems; proper venting, sizing of gas line, sequence of operation, and proper system performance.

January 11-14

April 12-15

1501E - Basic Refrigeration & HVAC Operations: (12 CEUs) 2 Days. Entry level; familiarization of refrigerant components, cycle of operation and problem recognition.

January 25-26

March 8-9

May 3-4

1501 - Foundations for Troubleshooting HVAC Refrigerant Systems: (27 State and NATE CEUs) 4 Days. Systematic implementation of the HVAC system analysis procedure and validation of actual sealed system performance of fully operational HVAC equipment.

January 11-14

March 1-4

May 10-13

June 7-10

1502E - Basic HVAC Electrical Operations: (12 CEUs) 2 Days. Entry level; familiarization of HVAC electrical terminology, component identification and basic equipment functions.

January 27-28

March 10-11

May 5-6

1502 - Foundations for Troubleshooting HVAC Electrical Systems: (27 State and NATE CEUs) 4 Days. Systematic implementation of HVAC system analysis procedure; and construction of an HVAC electrical system. Gain working knowledge of the basic concepts of electricity (i.e. volts, amps, capacitance, inductance, reactance, power factor, ohm's law, series/parallel circuits, etc.)

January 4-7

January 25-28

March 1-4

April 5-8

April 26-29

June 7-10

1503 - Troubleshooting HVAC Refrigerant Systems: (27 State and NATE CEUs) 4 Days. (Prerequisite 1501) Development of refrigerant system troubleshooting skills through proper and systematic routines in a laboratory setting closely simulating the technician's normal work environment.

February 15-18

March 29-April 2

May 17-20

1504 - Troubleshooting HVAC Electrical Systems: (27 State and NATE CEUs) 4 Days. (Prerequisite 1502) Development of electrical system troubleshooting skills through proper and systematic routines in a laboratory setting closely simulating the technician's normal work environment. Observe operation of live equipment; verify various failure operating modes; and identify exact cause of various system failures.

February 22-25

April 19-22

1505 - Servicing HVAC Refrigerant Systems: (27 State and NATE CEUs) 4 Days. Brazing, unit fabrication, evacuation and charging.

January 4-7

March 8-11

May 3-6

1506 - Servicing HVAC Electrical Systems: (27 State and NATE CEUs) 4 Days. (Prerequisites 1502 & 1504) Covers such areas as functions of solid state components used in HVAC equipment; use of meters and equipment to test and validate proper operation of components; programming of solid state thermostats to operate equipment at specific modes on specific time schedules and override capabilities for major brands of equipment.

January 19-22

March 15-18

May 24-27

International Ground Source Heat Pump Assn. (IGSHPA) Closed Loop Certification:

3 Days. Provides the HVAC contractor with skills necessary to properly install and evaluate residential geothermal systems. Certification exam given at the conclusion of course. A must for quality geothermal installations.

March 16-18

RMV - Residential Mechanical Ventilation Installation: (14 State and NATE CEUs) 2 Days. Provides invaluable information for those involved with designing and installing residential mechanical ventilation systems including HRV's and ERV's. Taught by a HRAI certified instructor, this certification class covers the fundamentals of air quality assessment, system requirements and the design and installation of mechanical ventilation systems.

February 15-16

1905 - Refrigerant Recovery Certification:

January 21

April 27

State Board Review (20 NATE CEUs):

January 11-13

March 1-3

April 19-21

NATE Review & Test (14 State CEUs):

February 22-24

May 3-5

R410A Safety Certification (8 State CEUs):

January 19

March 15

APPLICATION COURSES

Heat Pump Overview: (12 CEUs) 2 Days. Familiarization of heat pump operations, efficiency ratings, dual-fuel, air-to-air, and geothermal systems.

January 6-7

March 29-30

May 17-18

1800 - HVAC System Analysis: (27 State and NATE CEUs) 4 Days. Increase ability to communicate with HVAC contractors and support groups ensuring application and installation quality, customer satisfaction and increased sales. A total system performance analysis of an installed HVAC system is performed by each participant.

April 12-15

1802 - Residential Load Calculations: (27 State and NATE CEUs) 4 Days. Develop industry accepted knowledge and skills of sizing residential heating and cooling equipment through hands-on training in a classroom and laboratory setting. (Based on the Manual J approach to load calculations.)

January 11-14

March 29-April 2

May 10-13

1803 - Residential Duct Design: (27 State and NATE CEUs) 4 Days. (Prerequisite 1802) Complete tasks such as determining the design CFM for sizing a duct system and proper air volume for each conditioned zone, based on design heat gain/loss. Determine the type, size, number and placement of supply diffusers and return air grilles; select proper equipment configuration for selected applications; draw layout of locations and size trunk, branch and return duct. (ACCA Manual D method.)

February 15-18

April 5-8

May 3-6

Manual N—Commercial Load Calculations: (27 CEUs) 4 Days. Develop industry accepted knowledge and skills of sizing commercial heating and cooling equipment through hands-on training in a classroom setting.

February 15-18

1804 - Marketing Applications of Ohm's Law: (12 CEUs) 2 Days. Assists Marketing Personnel in developing a working knowledge of Ohm's Law and power formula manipulation.

March 15-16

May 10-11

1807 - Duct Board Fabrication & Installation: (27 State and NATE CEUs) 4 Days. Inexperienced personnel learn to understand and apply recommended methods and techniques for fabricating duct from fibrous board material. Experienced personnel are provided the opportunity to enhance their knowledge of fibrous duct fabrication and installation methods and practices.

January 4-7

April 5-8

RightSuite: (14 State and NATE CEUs) 2 Days. Designed to enhance the participant's skills to use computer software applications to calculate residential loads, design ducts, and to introduce the other program modules.

January 19-20

March 22-23

May 17-18

Basic Business Boot Camp: (20 State CEUs) 3 Days. Three Days of Intensive Business Training Guaranteed to Increase Your profitability.

April 13-15

World Class Customer Service: 1 Day.

April 26

or

April 27