



Alabama Power

HVAC TRAINING CENTER

Jasper & Mobile Locations



2025 Spring

January – June 2025

INSTALLATION & SERVICE COURSES

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

ALL CLASSES START AT 8AM CST

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.

February 3- 6 April 14- 17

1501E - Basic Refrigeration & HVAC Operations: (12 CEUs) 2 Days. Entry level; familiarization of refrigerant components, cycle of operation and problem recognition. **March 3 - 4 March 10 -11 MOBILE**

March 24—25 May 19 - 20

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 6 - 9 January 27 - 30 MOBILE**

February 10 - 13 March 10 - 13 March 17 - 20 MOBILE April 7- 10

1502E - Basic HVAC Electrical Operations: (12 CEUs) 2 Days. Entry level; familiarization of HVAC electrical terminology, component identification and basic equipment functions. **March 5-6 March 12-13 MOBILE**
March 26 - 27 May 21-22

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 6-9 February 3-6 MOBILE**

February 10-13 March 10-13 March 24-27 March 31-April 3 MOBILE April 7-10 April 28-May 1

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 24 - 27 March 31 - April 3 May 12- 15 May 19 - 22 MOBILE

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.

March 31 - April 3 March 24—27 MOBILE May 12 - 15

1505 - Servicing HVAC Refrigerant Systems: (27 State and NATE CEUs) 4 Days. Brazing, unit fabrication, evacuation and charging. **February 24 - 27 MOBILE March 3 - 6 April 14 - 17**

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 27 - 30 May 5 - 8**

1905 - Refrigerant Recovery Certification: May 12th

A2L—Refrigerant Training: May 13th

[State Board Review \(20 NATE CEUs\):](#) January 20 - 22 February 10 - 13 MOBILE March 3 - 5

April 14 - 16 April 28 - 30 MOBILE May 19 - 21

[NATE Review and NATE Test \(14 State CEUs\):](#) May 19 - 21

[Duct & Envelope Tightness:](#) (12 State CEUs) This two day course is designed to introduce the skills necessary to become a Duct and Envelope Tightness (DET) Verifier, certified to perform the diagnostic testing required for new homes by the 2015 IRC/IECC with Alabama amendments. Online math course must be completed prior to attending. Details given at registration. February 17 - 18 February 19 - 20

[Rightsuite:](#) (14 State CEUs and 21 NATE CEUs) (**Prerequisite 1802**) This three day course is 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 6 - 8

APPLICATION COURSES

[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 27- 30 February 17- 20 MOBILE April 28- May 1 June 2- 5 MOBILE

[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 24 - 27 May 5 - 8 MOBILE

[Airstage - Residential :](#) (8 State and NATE CEUs) 2 Days. Fujitsu Mini-Split course covers equipment selection, application, safety, single and multi-zone refrigeration systems, proper flaring techniques, component identification and testing, compressor, motor, & EEV's and troubleshooting system errors.

February 24 - 25 May 12 - 13

[Airstage - Commercial :](#) 2.5 Days. The Airstage VRF Technician Course is designed to provide a Technician the information to knowledgeably progress through a complete Fujitsu Airstage VRF installation, setup, startup, and extended warranty. This includes Airstage J-Series, V-Series, and heat recovery equipment. The class includes information with hands-on labs each day on system components, system operation, Service Software, troubleshooting, and the design Simulator software. January 21 - 23 March 25 - 27 April 29 - May 1 May 20 - 22

[International Ground Source Heat Pump Association \(IGSHPA\):](#) 4Days. Provides the HVAC contractor with skills necessary to properly install and evaluate residential geothermal systems. Students will learn about specialty tool requirements to diagnose, troubleshoot, repair and verify proper ground source heat pump (GSHP) unit, accessories and heat transfer fluid and system performance, which is crucial for system operation, efficiency, long system life, customer satisfaction and safety. May 12 - 15

[Heat Pump Overview:](#) 2 Days. Familiarization of heat pump operations, efficiency ratings, dual-fuel, air-to-air and geothermal systems. March 17 - 18

To register visit: www.alabamapower.com/hvac

Alabama Power Company HVAC Training Center Approved Curriculum To Sit For State of Alabama HVAC Contractor's License Exam

1501 - Foundations for Troubleshooting HVAC Refrigerant Systems:

27 hours

4 Days. Systematic implementation of the HVAC system analysis procedure and validation of actual sealed system performance of fully operational HVAC equipment.

1502 - Foundations for Troubleshooting HVAC Electrical Systems:

27 hours

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.)

1503 - Troubleshooting HVAC Refrigerant Systems:

27 hours

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.

1504 - Troubleshooting HVAC Electrical Systems:

27 hours

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.

1505 - Servicing HVAC Refrigerant Systems:

27 hours

4 Days. Brazing, unit fabrication, evacuation and charging.

1506 - Servicing HVAC Electrical Systems:

27 hours

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.

1201 - Foundations for Troubleshooting Gas Furnaces:

27 Hours

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.

1802 - Residential Load Calculations:

27 Hours

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.)

1803 - Residential Duct Design:

27 Hours

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.)

1807 - Duct Board Fabrication & Installation:

27 Hours

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.

Total Hours Required - 270



Alabama Power

HVAC TRAINING CENTER

All prices below include registration, all class materials
(except State Board Review) and lunches.

Hotel not included

1201	\$1,400	1807	\$1,400
1501E	\$700	Rightsuite	\$1,050
1501	\$1,400	State Board Review	\$1,050
1502E	\$700	***Nate Review	\$700
1502	\$1,400	A2L	\$385
1503	\$1,400	1905 Ref. Recovery	\$385
1504	\$1,400	AIRSTAGE - Residential	\$700
1505	\$1,400	AIRSTAGE - Commercial	\$499
1506	\$1,400	***DET	\$700
1802	\$1,400	HPO	\$700
1803	\$1,400		

**** Nate Core Exam is \$150. Nate Specialty Exam is \$150.**

***** Participant is responsible for payment of DET Certification to Alabama Home Builders Association.**

Please note that we do not accept personal checks.

Acceptable forms of payment are company checks, cashier checks, money order and credit cards.



Hotel Accommodations available at the **Holiday Inn Express– 1-205-387-8383,**

Hampton Inn, Jasper– 1-205-221-3334, and Sleep Inn & Suites 1-205-387-2001

Discounts available if you mention you are attending training at Alabama Power.

ALABAMA POWER HVAC TRAINING CENTER

3711 Industrial Court Jasper, AL 35501

1-800-634-0154 or www.alabamapower.com/hvac

REVIEW FOR STATE OF ALABAMA HEATING & AIR CONDITIONING CONTRACTOR'S CERTIFICATION TEST

This training is a review of the books and materials required for the State of Alabama Contractor's Certification Test.

Books are not included in the price of the class and must be purchased prior to attending.

Books are available for purchase at the Training Center. See list below.

Dates for Review Class: JASPER LOCATION: January 20-22, March 3-5, April 14-16, May 19 - 21

MOBILE LOCATION: February 10-12, April 28-30

Cost of Review Class - \$1,050

REFERENCES FOR HEATING AND AIR CONDITIONING

<u>Book</u>	<u>Price</u>
<u>International Residential Code for 1 and 2 Family Dwellings, 2021</u>	<u>160.00</u>
<u>Refrigeration & Air Conditioning Technology, 9th Edition</u>	<u>210.00</u>
<u>Manual J-Residential Load Calculations (8th Edition - Abridged)</u>	<u>99.00</u>
<u>Manual D—Residential Duct Systems (2009)</u>	<u>93.00</u>
<u>ACCA Ductulator</u>	<u>60.00</u>
<u>NASCLA Contractors Guide to Bus., Law and Proj. Management (Basic 14th Edition)</u>	<u>87.00</u>
<u>Guide to National Electrical Code for HVAC Professionals</u>	<u>44.00</u>

HVAC Laws & Regulations Contact HACR Board of Alabama

Books should be most recent versions on State list

BOOK PRICES ARE SUBJECT TO CHANGE

Subtotal _____

Total cost of books plus tax = \$820.77

Tax (9%) _____

Total cost of all books with tax & shipping = \$850.77

Total cost of books & review course = \$1,870.77

Shipping & Handling 30.00

Total cost of books, review course, & shipping = \$1,900.77

Cost of Review Class 1,050.00

Total _____

Registration Form

Name _____ Company _____

Address _____

City/State _____ Zip _____ Phone _____

Email address _____

Method of Payment: Check or Money Order – Payable to Alabama Power Company

MC VISA AMEX DISCOVER

To make a credit card payment, please call 1-800-634-0154.

HVAC FAST TRACK PROGRAM

For more information visit the links below.

[Bevill State/Jasper, AL](http://www.bscc.edu/programs/workforce-solutions)

[Bishop State/Mobile, AL](http://www.bishop.edu/programs/workforce-development)

www.bscc.edu/programs/workforce-solutions

www.bishop.edu/programs/workforce-development

Scroll down to HVAC Fast Track

Scroll down to HVAC Fast Track

**Bishop State Community College/ Southwest Campus
APC HVAC Training Center courses are now available in
Mobile. Available course dates are listed in Green.**

FUJITSU TRAINING ACADEMY

The Fujitsu AIRSTAGE VRF Technician Training Course is designed to provide a technician what they need to knowledgably progress through a complete Fujitsu AIRSTAGE VRF installation, setup, startup, and to establish extended warranty. This includes AIRSTAGE J-Series, V-Series and Heat Recovery equipment. It also provides detailed information with hands-on labs on each day on system components, system operation, Service Tool software, troubleshooting, and the Design Simulator software.

Course Includes Full Airstage VRF Curriculum:

- AIRSTAGE J-Series Training
- VU-V Heat Recovery Training
- VRF Service Training
- VU-V Heat Pump Training





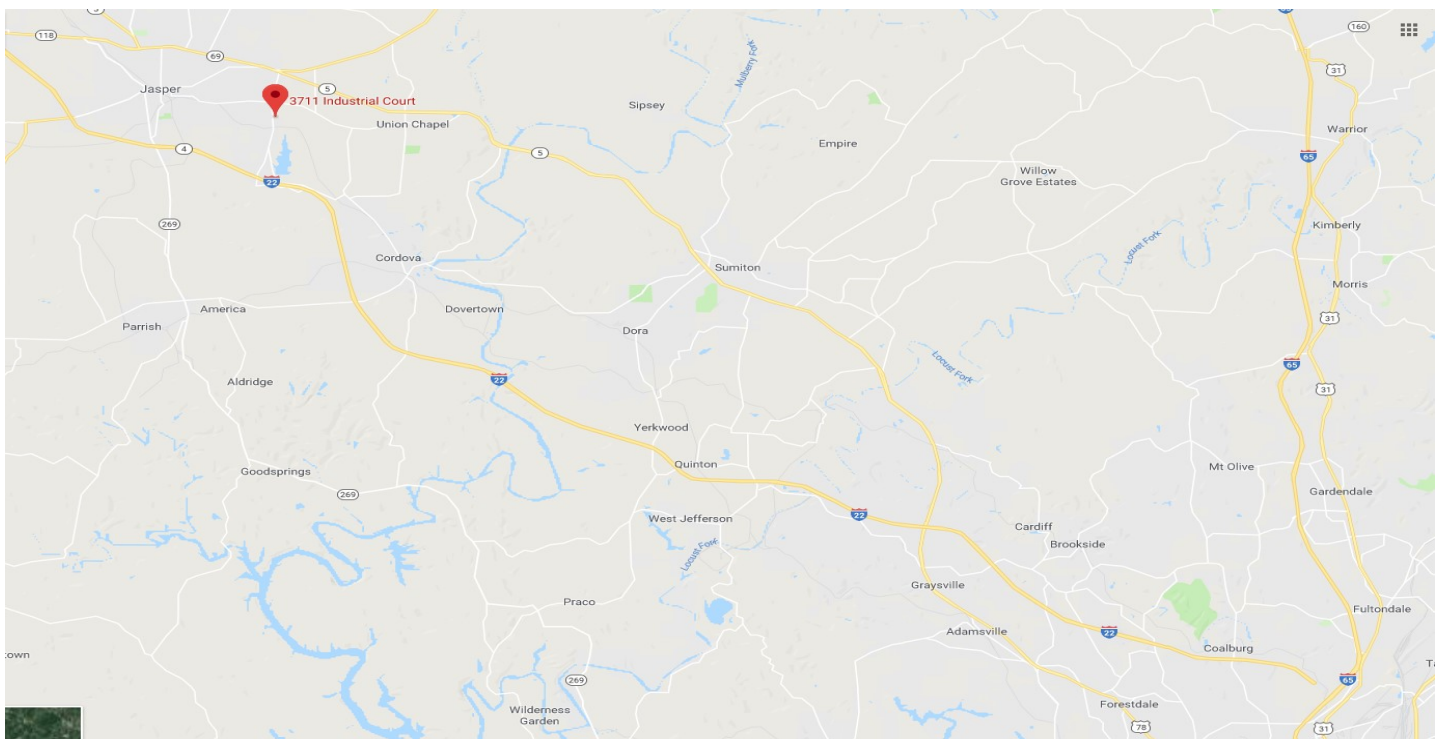
Alabama Power

HVAC Training Center

3711 Industrial Court

Jasper, AL 35501

1-800-634-0154



Visit our website

www.alabamapower.com/hvac

Follow I-65 to Corridor X/ I-22 Exit #265. Follow I-22 West approximately 32 miles to Exit 65 for Industrial Parkway. Turn right onto Industrial Parkway. Go approximately 2 miles and watch for HVAC Training Center sign on right side of road. Turn right at sign (Industrial Court). Training Center will be the facility located in the back housed along with Beville State Community College . Physical address: 3711 Industrial Court, Jasper, AL 35501.