Alabama Power

# HVAC TRAINING CENTER

## Jasper & Mobile Locations

## Fall 2025

# **IMPORTANT CHANGES**

**All Classes Start at 8AM CST**

**Lunch will be each students responsibility**
**Lunches are no longer provided**
**All Mobile Class Dates are listed in *Green*.**

## September – December 2025
## INSTALLATION & SERVICE COURSES

**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.

November 17– 20

**1501E - Basic Refrigeration & HVAC Operations:** (12 CEUs) 2 Days. Entry level; familiarization of refrigerant components, cycle of operation and problem recognition. October 13 - 14 December 8—9

**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.

September 8 - 11 September 29 - October 2 October 27 - 30 MOBILE December 1 – 4

**1502E - Basic HVAC Electrical Operations:** (12 CEUs) 2 Days. Entry level; familiarization of HVAC electrical terminology, component identification and basic equipment functions October 15 - 16 December 10 - 11

**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.)

September 8 - 11 October 27 - 30 November 3 - 6 MOBILE December 1 - 4

**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.

November 3 - 6 December 1– 4 MOBILE December 8– 11

**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.

September 15 - 18 December 8– 11 MOBILE December 8 - 11

**1505 - Servicing HVAC Refrigerant Systems:** (27 State and NATE CEUs) 4 Days. Brazing, unit fabrication, evacuation and charging. September 22 - 25 October 13 – 16

**1905 - Refrigerant Recovery Certification:** August 19th, September 30th, October 28th, November 12th

# **IMPORTANT CHANGES**

**All Classes Start at 8AM CST**

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**Lunches are no longer provided**
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**A2L—Refrigerant Training: August 21st, October 1st, October 29th, November 13th**

**State Board Review (20 NATE CEUs): October 6 - 8 October 6 - 8 MOBILE December 8 - 10**

**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. September 3 - 4 November 3 - 4**

## 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.)**

**September 15– 18 MOBILE October 13– 16 November 17– 20**

**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.) September 8 – 11 MOBILE September 22– 25 November 3 - 6**

**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. November 17 - 20**

**Airstage - Commercial : 2.5 Days. The Airstage VRF Technician Course is designed to provide a Technician the Information to knowledgably 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. September 23 - 25 October 28 - 30 December 9 - 11**

**IGSHPA Service Technician Basic Training: 2 day. This specialized course aims to equip existing professional HVAC service technicians which are interested in expanding their knowledge and skills required for servicing ground source heat pump 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, system efficiency, long system life, customer satisfaction and safety. September 3 - 4 October 6 - 7 November 12—13**

## 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

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# HVAC TRAINING CENTER

**All prices below include registration, all class materials**

**(except State Board Review) and lunches.**

**Hotel not included**

| | | | |
|---|---|---|---|
| **1201** | **$1,400** | **1803** | **$1,400** |
| **1501E** | **$700** | **1807** | **$1,400** |
| **1501** | **$1,400** | **State Board Review** | **$1,050** |
| **1502E** | **$700** | **1905 Ref. Recovery** | **$385** |
| **1502** | **$1,400** | **A2L** | **$385** |
| **1503** | **$1,400** | **AIRSTAGE - Commercial** | **$499** |
| **1504** | **$1,400** | *****DET** | **$700** |
| **1505** | **$1,400** | **IGSHPA** | **$700** |
| **1802** | **$1,400** | | |

***** 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.**

# ALABAMA POWER HVAC TRAINING CENTER

## 3711 Industrial Court  Jasper, AL 35501

## 1-800-634-0154

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:

**October 6 - 8**  **October 6 - 8 MOBILE**  **December 8 - 10**

Circle desired date

### Cost of Review Class - $1,050

**REFERENCES FOR HEATING AND AIR CONDITIONING**

| Book | Price |
|---|---|
| International Residential Code for 1 and 2 Family Dwellings, 2021 | 249.00 |
| Refrigeration & Air Conditioning Technology, 9th Edition | 255.00 |
| Manual J-Residential Load Calculations (8th Edition - Abridged) | 95.00 |
| Manual D—Residential Duct Systems (2009) | 99.00 |
| ACCA Ductulator | 60.00 |
| NASCLA Contractors Guide to Bus., Law and Proj. Management (Basic 13Edition) | 88.00 |
| HVAC Laws & Regulations | Contact HACR Board of Alabama |

**Books should be most recent versions on State list**

**BOOK PRICES ARE SUBJECT TO CHANGE**

**Total cost of books plus tax = $922.14**

**Total cost of all books with tax & shipping = $957.14**

**Total cost of books & review course = $1,972.14**

**Total cost of books, review course, & shipping = $2,007.14**

**Subtotal _____**

**Tax (9%)_____**

**Shipping & Handling 35.00**

**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**

**www.bscc.edu/hvac-fast-track**

**Bishop State/Mobile, AL**

**www.bishop.edu/programs/workforce-development/hvac-fast-track**

## APC HVAC Training Center courses are available in Mobile and course dates are listed in Green.

## Bishop State Community College, Southwest Campus, Building H, 925 Dauphin Island Parkway, Mobile, AL 36605

## Alabama Board of Heating, Air Conditioning & Refrigeration Contractors

**Glenn Nuby & Tim Jordan will be conducting a CEU course at our**

**Jasper Location on October 28, 2025, 9:00am—1:00pm**

**Topic: 2021 International Residential Code and Code Violations**

## Weatherization Training Available

**For More Information, go to www.accs.edu/weatherization**

****Alabama Power is a BPI Test Center****

# New course offerings coming Spring 2026

**Home Backup Generator Troubleshooting Training**

Depending on class size, this training course can be offered regionally and remotely on site.

**Water Heater Troubleshooting (Gas & Electric Tankless, Gas & Electric Conventional, and Heat Pump Water Heaters)**

This training course will be a two-day training at the Jasper Training Center location

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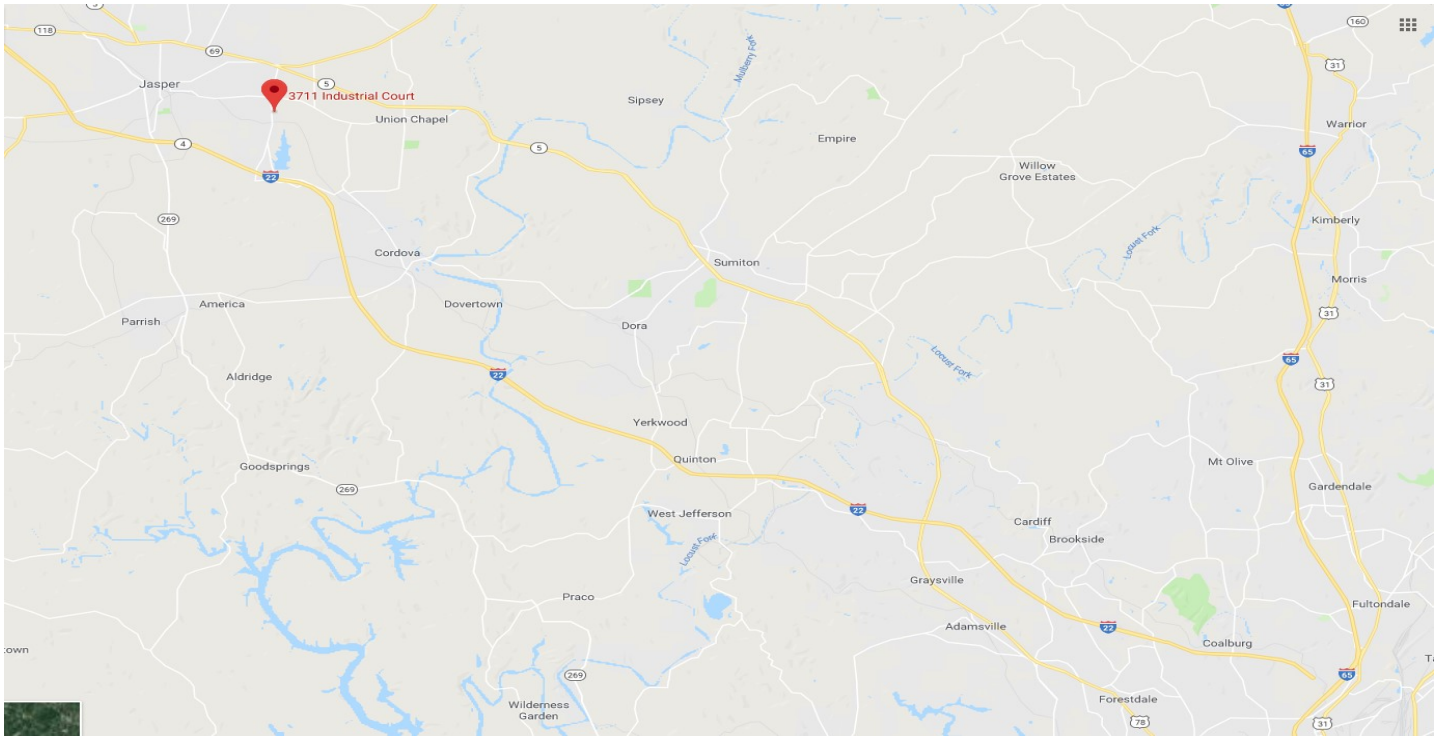
**HVAC Training Center**

**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 Bevill State Community College . Physical address: 3711 Industrial Court, Jasper, AL 35501.