



CE SOUTHEAST

2023
Training
Schedule

January 2023

Training for Success!

General Information

Instructors:

Courses are taught by experienced HVAC professionals from our Customer Assurance Department and Factory approved training partners:

Shawn Helton – Raleigh NC

Wes Almond – Charlotte NC

Harold Ross – Columbia SC

Casey Moody – Raleigh NC

Bryan Campau – Charlotte NC

*Registration/Confirmation:

Register via HVACPartners >from DASHBOARD click Learning > Training Portals & Guides > My Learning Center >Access My Learning Center
From MLC home page, click **Events** insert Event ID in search box and click magnifier, click down arrow to far right of class, select Register Myself or Register Others > Click add to que to the right of desired person's name, add que to roster, confirm registration. Clicking Details from dropdown to far right of Event/Class will provide class details.

Note: The best practice is to have anyone attending a class set up as a user in HVACPartners.

Class Cancellations or Changes:

CE Southeast reserves the right to cancel or reschedule a class due to weather, instructor availability/conflicts or due to minimum attendee requirement not met (**Technical classes require 10, Sales/Business classes require 15**).

Notice of cancellation and changes in dates, times or locations will be sent via email. Any addition of classes will be communicated via email.

Method of Payment:

Open accounts in good standing will be billed once the class is over.

COD accounts are required to pay five (5) days IN ADVANCE of class date.

Note: All No Shows are billed.

Market Fund Reimbursement/Training Discounts:

Please refer to the CESE 2022 Partnerships Programs for any applicable training benefits/market fund reimbursement information.

Attendee Cancellation Policy:

Attendee cancellations must be made in writing to class coordinator via fax or email and received **3 business days prior to class date for technical classes and 10 days prior to class date for sales/business classes**, otherwise full class fee will be charged.

Class Certificates:

Once the class is closed attendees will receive an email from My Learning Center containing a link to print certificates. They can also be printed at a later date from My Learning Center.

Class Coordinator Contact: Laraine Owen, laraine.t.owen@carrierenterprise.com, Ph: 803-462-3041 /Fx: 803-832-1181

Note:

- **Masks are no longer required, but optional for attendees**
- **Tests, where required, will be available for 48 business hours once the class is over. Once closed, tests will not be re-opened – NO EXCEPTIONS**

Schedule of Classes

Taking a Deeper Dive in Search of Root Cause Troubleshooting

This class will build on the Fall 2022 class, "Taking the Guesswork out of Troubleshooting", covering more tips and tricks of the trade focusing on making a correct diagnosis the first time and determining what caused the issue. This class is geared toward residential HVAC. Attendance at the Fall 2022 class is not a requirement to attend this class.

The class will cover:

- Using modern methods to speed up troubleshooting and make a more accurate diagnosis.
- Using test instruments to get useful information to help make an accurate diagnosis.
- Is the compressor failure cause electrical or mechanical?
- Using different methods to measure airflow, which is many times the root cause of failures
- Taking a deeper dive into control boards and understanding what must happen to make the unit work correctly.
- Discussion of common mistakes technicians are prone to make.

Technicians of all experience levels will benefit from this class.

Investment: \$75 pp FAD Distributor Hours: 4 Nate CEU Hours: 4

(a post class online test required with a passing grade of 70 or above to receive Nate credit hours)

Event ID	Start Date/Time	City	Location	Street Address	Trainer
38052	2023-03-28 12:30:00	Greenville, SC	Greenville Technical College Bldg 106D - Rm 617	506 S. Pleasantburg Dr	Harold Ross
38055	2023-03-29 12:30:00	Columbia	CE Southeast	199A Shop Grove Dr	Harold Ross
38056	3/30/2023 12:30	Summerville	CE Southeast	140 Portside Park Drive Ste A	Harold Ross
38057	2023-03-31 12:30:00	Conway	Horry Georgetown Technical College Bldg 200 - Rm 253	2050 US Hwy 501	Harold Ross
38062	2023-04-25 08:00:00	Raleigh	CE Southeast	1711 Corporation Parkway	Wes Almond
38065	2023-04-26 08:00:00	Wilmington	CE Southeast	307 Marlboro St.	Wes Almond
38066	2023-04-27 08:00:00	Charlotte	CE Southeast	4300 Golf Acres Dr.	Wes Almond
38068	2023-04-28 08:00:00	Hickory	CE Southeast	1213 26th Street SE	Wes Almond

Ductless Install, Service and Troubleshooting, In-Person Classroom

This 8-hour class will cover installation, service and troubleshooting of Carrier/Bryant's residential and light commercial ductless products. Concepts and theories of system operation are covered, including the unique qualities of the different product lines. Also, the concepts and theories of properly applying, installing and troubleshooting Carrier / Bryant Ductless Systems will be discussed.

Note: there will be product on hand for each class to provide full product demonstration

Investment: \$100 pp FAD Distributor Hours: 8 Nate CEU Hours: 8

(a post-class online test required with a passing grade of 70 or above to receive Nate credit hours)

Event ID	Start Date/Time	City	Location	Street Address	Trainer
38083	2023-03-14 08:00:00	Raleigh	CE Southeast	1711 Corporation Parkway	Shawn Helton
38084	2023-03-16 08:00:00	Wilmington	CE Southeast	307 Marlboro St.	Shawn Helton
38085	2023-03-22 08:00:00	Charlotte	CE Southeast	4300 Golf Acres Dr.	Shawn Helton
38086	2023-04-04 08:00:00	Hickory	CE Southeast	1213 26th Street SE	Shawn Helton
38087	2023-04-11 08:00:00	Greenville, SC	CE Southeast	57 Pelham Davis Cr.	Shawn Helton
38088	2023-04-25 08:00:00	Summerville	CE Southeast	140 Portside Park Drive Ste A	Shawn Helton
38089	2023-04-27 08:00:00	Columbia	CE Southeast	199A Shop Grove Dr.	Shawn Helton

Infinity /Evolution Series B Controls, 2nd Generation 26/24 Greenspeed/Extreme & 5-Stage Inverter Equipment w/Zoning Install, Service and Troubleshooting, In-Person Classroom

Attendees will learn to properly install and efficiently service the latest residential Inverter Heat Pumps and Air Conditioners with Greenspeed Technology and communicating controls primarily focused on the 26/24 Generation II products plus 5-Stage. Related Zoning install and service will also be covered. Using the Carrier/Bryant Service Technician Mobile App (GEN II product) to guide troubleshooting, Bluetooth-pairing and over-the-air software updates will be an important part of this class.

Customers needing certification on Carrier/Bryant communicating products and customers who have not been to training on the new GEN II products are encouraged to attend.

Investment: \$100pp FAD Distributor Hours: 8 *Nate CEU Hours: 8 *Product Certification: Yes

***post-class online knowledge test required with a passing grade of 70 or above to receive Nate hours and/or Product Certification**

Event ID	Start Date/Time	City	Location	Address	Trainer
37045	2023-01-24 08:00:00	Charlotte	CE Southeast	4300 Golf Acres Dr.	Wes Almond
37049	2023-01-25 08:00:00	Summerville	CE Southeast	140 Portside Park Drive Ste A	Harold Ross
37047	2023-01-26 08:00:00	Raleigh	CE Southeast	1711 Corporation Parkway	Wes Almond
37794	2023-02-07 08:00:00	Columbia	CE Southeast	199A Shop Grove Dr	Harold Ross
37795	2023-03-07 08:00:00	Hickory	CE Southeast	1213 26th Street SE	Wes Almond
37796	2023-04-04 08:00:00	Greenville SC	Greenville Tech	506 S. Pleasantburg Dr	Harold Ross
37797	2023-05-02 08:00:00	Charlotte	CE Southeast	4300 Golf Acres Rd	Wes Almond
37798	2023-05-04 08:00:00	Greensboro	CE Southeast	1000 Norwalk Street Ste C	Wes Almond
37799	2023-06-02 08:00:00	Conway	Horry Georgetown Tech	2050 US Hwy 501	Harold Ross
37800	2023-07-14 08:00:00	Wilmington	CE Southeast	307 Marlboro St.	Wes Almond
37801	2023-08-08 08:00:00	Raleigh	CE Southeast	1711 Corporation Parkway	Wes Almond
37803	2023-09-12 08:00:00	Summerville	CE Southeast	140 Portside Park Drive Ste A	Harold Ross
37804	2023-10-24 08:00:00	Hickory	CE Southeast	1213 26th Street SE	Wes Almond
37805	2023-11-28 08:00:00	Charlotte	CE Southeast	4300 Golf Acres Rd	Wes Almond
37806	2023-11-29 08:00:00	Summerville	CE Southeast	140 Portside Park Drive Ste A	Harold Ross
37807	2023-12-05 08:00:00	Raleigh	CE Southeast	1711 Corporation Parkway	Wes Almond
37808	2023-12-06 08:00:00	Wilmington	CE Southeast	307 Marlboro St.	Wes Almond

Light Commercial Troubleshooting

This class will cover the latest information on light commercial rooftop and split units, including:

- Familiarization of SystemVu control systems.
- Diagnose and troubleshoot Variable Frequency Drives required in many units since 2018.
- Diagnose EcoBlue blower motors found high tier rooftop units and light commercial fan coils being built today.
- Understanding and troubleshooting commercial control boards, including 2 circuit commercial defrost controls.
- Troubleshooting the Copeland scroll protection module.
- Control wiring requirements
- New economizer control
- Humidimizer operation and troubleshooting.

Technicians of all experience levels will benefit from this class.

Investment: \$75 pp FAD Distributor Hours: 4 Nate CEU Hours: 4
(a post-class online test required with a passing grade of 70 or above to receive Nate credit hours)

Event ID	Start Date/Time	City	Location	Street Address	Trainer
38028	2023-03-09 08:00:00	Charlotte	CE Southeast	4300 Golf Acres Dr.	Wes Almond
38031	2023-03-28 08:00:00	Raleigh	CE Southeast	1711 Corporation Parkway	Wes Almond
38034	2023-03-29 08:00:00	Wilmington	CE Southeast	307 Marlboro St.	Wes Almond
38037	2023-03-30 08:00:00	Hickory	CE Southeast	1213 26th Street SE	Wes Almond
38041	2023-04-18 12:30:00	Greenville, SC	Greenville Technical College Bldg 106D - Rm 617	506 S. Pleasantburg Dr	Harold Ross
38043	2023-04-19 12:30:00	Columbia	CE Southeast	199A Shop Grove Dr	Harold Ross
38046	2023-04-20 12:30:00	Summerville	CE Southeast	140 Portside Park Drive Ste A	Harold Ross
38048	2023-04-25 12:30:00	Conway	Horry Georgetown Technical College Bldg 200 - Rm 253	2050 US Hwy 501	Harold Ross

Commercial System Vu In-Person Classroom

The System Vu class is geared towards mechanical contractors that install and service Carrier Commercial equipment with onboard System Vu controllers. This class will teach the proper commissioning process to correctly set these systems up for operation. Live equipment will be used to instruct the attendees on how to correctly set multiple stages of airflow cfm along with economizer minimum settings for each motor speed. Next up the Technicians will be provided training on how to correctly set the unit configuration menus in the System Vu controllers for proper commissioning then finishing up with how to upload latest software updates into the System Vu controllers.

This Training class should be attended by Service, Installation and Startup Technicians. **Classes are limited to 10 persons per class.**

Investment: \$600pp FAD Distributor Hours: 8 Nate CEU Hours: N/A

Event ID	Start Date/Time	City	Location	Street Address	Trainer
38050	2023-03-21 09:00:00	Charlotte	CE Southeast	4300 Golf Acres Dr.	Wes Almond
38051	2023-04-13 09:00:00	Raleigh	CE Southeast	1711 Corporation Parkway	Wes Almond

Commercial RTU Open, In-Person Classroom

The RTU Open class is geared towards mechanical contractors that service or install Carrier Commercial equipment with factory or field installed RTU Open controllers. This class will provide the software and cable necessary to connect to the RTU Open controller. Live controllers will be available to connect to during this class. The class will begin with installing the software on your PC together as a class and then connect to an RTU Open controller. Once connected a presentation to walk through all the features, wiring, and benefits of the device and its peripheral sensors will be provided. Next up will be configuring the device for an application followed by troubleshooting common issues. Content will lightly touch on setting this board up for BAS communications. During the last portion of the class attendees will utilize software to wipe the controller back to factory settings. The student should leave this class with the knowledge and capability to field install, connect to, configure, service, and maintain equipment that has RTU open controllers in it.

This Training Class should be attended by all senior level Service and Startup Technicians. **Classes are limited to 10 persons per class.**

Students must bring their own Windows 10 laptop for the software to be loaded onto.

Investment: \$1000 pp (includes item USB-L cable, Required) FAD Distributor Hours: 8 Nate CEU Hours: N/A

Event ID	Start Date/Time	City	Location	Street Address	Trainer
38020	2023-03-02 08:00:00	Charlotte	CE Southeast	4300 Golf Acres Dr.	Casey Moody
38021	2023-03-07 08:00:00	Raleigh	CE Southeast	1711 Corporation Parkway	Casey Moody
38094	2023-10-10 08:00:00	Charlotte	CE Southeast	4300 Golf Acres Dr.	Casey Moody
38095	2023-10-24 08:00:00	Raleigh	CE Southeast	1711 Corporation Parkway	Casey Moody

Note:

- **Masks are no longer required, but optional for attendees**
- **Tests, where required, will be available for 48 business hours once the class is over. Once closed, tests will not be re-opened – NO EXCEPTIONS.**