

AAON Academy Information

All classes will conclude with a graded Skills Assessment. Certificates will be given to those who receive a 60% or better on the assessment.

Package Unit Startup, 5 Days (Tulsa, OK):

This class is designed to teach the technician basic knowledge to start up and test an AAON Package unit.

Target Units:

- RQ/RN Units
- Non-VFD driven compressors (On/Off, Digital, 2-Step)
- Focus on most common features we utilize in the RQ/RN lines of equipment

Prerequisites:

- Must have basic HVAC knowledge
- Must have basic skills working with Meters, Gauges, Tools
- Basic computer skills recommended

Skills Learned:

- Using Prism II software to interface and test an AAON unit
- Verifying configuration in the Controls (VCCX, Modules)
- Setting application/location specific configurations
- Setting up Modulating Gas Valves
- Verifying and adjusting VFD settings for Supply/Exhaust Fan applications
- Verifying unit operation using control force modes
- Basic Electro-Mechanical troubleshooting
- Adjusting appropriate setpoints for specific applications

Split System Startup, 5 Days (Longview, TX):

This class is designed to teach the technician basic knowledge to start up and test an AAON Split System Unit.

Target Units:

- CB/CF Condensing Units
- M2/H3/V3 AHU's
- Non-VFD Driven compressors (On/Off, Digital, 2-Step)

Prerequisites:

- Must have basic HVAC knowledge
- Must have basic skills working with Meters, Gauges, Tools
- Basic computer skills recommended

Skills Learned:

- Verifying Line-Set installation and sizing

- Adding additional charge for Line-Set
- Using Prism II software to interface and test an AAON unit
- Verifying configuration in the Controls (VCCX, Modules)
- Setting application/location specific configurations
- Setting up Modulating Gas Valves
- Verifying and adjusting VFD settings for Supply/Exhaust Fan applications
- Verifying unit operation using control force modes
- Basic Electro-Mechanical troubleshooting
- Adjusting appropriate setpoints for specific applications

WSHP Startup, 4 Days (Longview, TX):

This class is designed to teach the technician basic knowledge to start up and test an AAON WSHP Units.

Target Units:

- WV/WH WSHP Units

Prerequisites:

- Must have basic HVAC knowledge
- Must have basic skills working with Meters, Gauges, Tools

Skills Learned:

- Setting up WSHP Controllers (Pioneer Silver/Gold)
- Verifying Unit Operation
- Troubleshooting WSHP Units with and without Gages
- Basic Electro-Mechanical troubleshooting
- Adjusting setpoints for specific applications

Basic VCCX Controls, 4 Days (Longview, TX):

This class is designed to teach the technicians basic knowledge on the AAON VCCX Control System.
(Note: Does not include all of the same topics covered in the VCCX Controls 1 class)

Target Controllers:

- VCCX Controller
- ModGas-XWR and MHGRV-X(Hot Gas Reheat) Modules
- RSMD (Refrigerant System Module for Digital, On/Off, 2-Step Compressors)
- Yaskawa VFD Drives

Prerequisites:

- Must have basic HVAC knowledge
- Basic Computer skills recommended

Skills Learned:

- Basic Prism II Operation
- Configuring VCCX Controller for various applications (Package and Split Systems)

- Working with ModGas-XWR Module
- Working with MHGRV-X Module
- Working with RSMD Module
- Yaskawa VFD Drive Parameters

Controls 1, 5 Day (Tulsa, OK):

This class is designed to teach the technicians knowledge on the AAON VCCX Control System. (Note: Includes more in-depth topics than the Basic VCCX Controls class offered in Longview.)

Target Controllers:

- VCCX Controller
- ModGas-X & ModGas-XWR Modules
- MHGRV-X (Hot Gas Reheat) Module
- PreHeat-X Module
- RSMD (Refrigerant System Module for Digital, On/Off, 2-Step Compressors)
- Yaskawa VFD Drives

Prerequisites:

- Must have basic HVAC knowledge
- Must have experience with AAON Equipment
- Basic Computer skills recommended

Skills Learned:

- Basic and Intermediate Prism II Operation
- Configuring VCCX Controller for various applications (Focus on RQ/RN Units)
- Working with ModGas, MHGRV, and Preheat Modules
- Working with RSMD Module
- Basic VCCX Sequence of Operation
- In-Depth Yaskawa VFD operation and troubleshooting
- Interfacing VCCX with other AAON Controllers
- Interfacing VCCX with BacNet Systems

Class Cost:

The cost of each class is based on how many days the class is.

- 4 Day Classes = \$1,220
- 5 Day Classes = \$1,525

Billing:

All billing is sent to the AAON Rep who sponsored the student. We do not currently have a way to direct bill the contractor/individual.

Enrollment:

- All Pre-Registration forms must be sent to AAON.Academy@AAON.com
- All forms MUST be sent in by the Sponsoring Rep Office. No Exceptions.

Steps to Enroll:

- 1) Fill out Pre-Registration form
- 2) Make sure to include all appropriate email addresses
- 3) AAON Sales rep must send form to AAON.Academy@AAON.com
 - a. Form cannot be send in directly from contractor
- 4) We receive the form and verify information and class availability
- 5) We will send out a confirmation email to all email addresses listed.
 - a. **DO NOT MAKE TRAVEL ARRANGEMENTS UNTIL YOU RECEIVE A CONFIRMATION EMAIL**
- 6) Fill out questions at end of confirmation email and send it in to the email address listed no later than 3 weeks prior to class.
- 7) We will send a Welcome email the week before class. This is where your hotel confirmation number will be listed.

Sponsorship:

- Every student must be sponsored by an AAON Sales rep. No Exceptions.
- Sponsorship is required for the following reasons:
 - Allows local AAON Rep to be aware who in their area has attended class
 - All billing must go thru an AAON Rep Office.

Schedule:

- All Classes run from 8:00 AM to 4:30 PM each day except for the last day. The class runs from 8:00 AM to Noon.
- Students should arrive at the training facility no later than 15 minutes prior to class. We start promptly at 8:00 AM each morning.

Hotel Accommodations:

- We provide a significant discounted rate if you book your hotel room.
 - We cover 50% hotel cost if not sharing with co-worker
 - We cover 100% hotel cost if sharing with a co-worker
- If you book a room with us, we will provide transportation to and from class each day.

- Student's portion of the hotel cost is due directly to the Hotel at check in.
- There may be a hold placed on the credit card at check-in for incidentals.

Cancellation Policy:

- If canceled 1 month (30 days) or more before class - Rep will NOT be billed
- If canceled between 1 month and 2 weeks before class - Rep will be billed 50% of class cost
- If canceled between 2 weeks before, to the day of class - Rep will be billed 100% of class cost
- Student substitutions should be made no later than 2 weeks prior to class.

This cancellation policy is in place to prevent last minute changes. However, we try to be as flexible as possible. Our goal is to keep every class as full as possible to accommodate the high demand we have.

If there is any problems with a student not being able to attend, please send us an email. We will do our best to accommodate your individual situation. The sooner you contact us, the better options we have.

About the Instructors

Andrew Hodges

Technical Training Coordinator



Andrew started in the HVAC controls industry in 1997 after earning his Associates in Applied Science in Electronics Technology. He started his career evaluating and repairing controls coming back from the field. In 2000, he moved to the Engineering department designing circuit boards, much of which was purchased by AAON. During this time, he also provided support to the field techs over the phone as well as job site visits. In 2012, Andrew started to develop Sequence of Operations as well as write the software that goes into the controls. Now Andrew is fully dedicated to providing training for field techs as well as internal personnel. He also leads the AAON Academy team and continues to use his expertise in electronics and software to improve the learning experience at AAON.

Paul Margwarth

Technical Trainer



Paul has been in the industry since 1994, after earning his Associates in Applied Science in Air Conditioning and Refrigeration Technology at Oklahoma State University, Institute of Technology. He began his career as a Service Technician in the Dallas/Fort Worth area, primarily working on commercial package equipment both constant and variable air volume, as well as chilled water and hot water systems. In 1997, he returned to Oklahoma and worked for a residential and commercial contractor in Tulsa, OK. During his tenure there, he was promoted to the company's technical trainer and coordinator. He also began to teach night classes at the Tulsa Career Center in conjunction with his role as a Service Technician/Technical Trainer. In 2004, he returned to his alma mater accepting a role as an instructor in the Air Conditioning and Refrigeration Department. He completed a Bachelor of Science in Career and Technical Education from Oklahoma State University, and has been training technicians and future technicians for over 20 years.

Stan Horton

Technical Trainer



Stan has been with AAON since 1993. He began his career at AAON as a welder on the assembly lines. In 2000, he moved into a management role for the assembly lines, testing, and paint booth areas. Stan spent the next 18 years supervising many different aspects of the AAON production dept. and has vast experience in the assembly process for all AAON products. He also helped to develop the water piping assembly areas. In 2018, Stan used his experience to assist in developing AAON's on-boarding program training all of the newly hired employees so that they could more easily adapt to AAON's production environment. This is where he found his passion for teaching and eventually was able to join the AAON Academy to assist in training field techs as well as AAON's internal team members. He is currently studying for his Bachelor degree in Business Management and plans to go on into the Master's program for Project Management.

Mitch Gibson

Technical Trainer



Mitch started his career in 2012 with an Associate's Degree in Applied Science for HVAC, graduating Suma Cum Laude. After he received his degree, he started installing, starting up, and servicing a wide variety of HVAC equipment. Because of his great work ethic and drive to learn all that he can, he quickly worked his way up to a lead service technician. In 2016, he looked to relocate from Virginia and applied for a job at AAON. He was offered and accepted a role in the technical support group in Longview, Texas. Through the past four years, he has become an expert on the AAON split systems. Mitch looks forward to utilizing his extensive experience in helping others gain knowledge of our AAON products.