



Heating & Cooling Products



The AAON Technical Academy is a program for service technicians who are sponsored by AAON Sales Representatives.

Class Descriptions and Requirements:

Level 0.5 – AAON Unit Maintenance (New Class)

This class is designed to equip the technician with the skills to perform routine maintenance of an AAON unit. (Great for Building Owner Training)

It will cover the following topics:

- How to install and operate Prism II
- Deciphering VCCX Status and Alarms
- Making VCCX Setting changes
- Creating a PM schedule for AAON equipment
- Procedures for cleaning AAON equipment
- Procedures for verifying AAON equipment operation

Requirements: Basic maintenance skills working around and on De-energized and Energized HVAC equipment. AAON Sales Rep Sponsorship.

Level 1 – Basic Startup

This 3.5-day class is designed to equip the technician with the basic knowledge of an AAON unit.

It will cover the following topics:

- AAON Manufacturing Process (Plant Tour)
- Safety Procedures
- How to configure a controller from wiring diagram
- Basic information needed from Rep to start up unit successfully
- Hands-on mechanical startup training for the following:
 - Air Side
 - Heat Side
 - Refrigeration Side
- Applying different control applications using AAON Controls
- Using AAON controls to start up an AAON unit and check operation

Requirements: HVAC Certification, AAON Sales Rep sponsorship



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Level 1.5 – WSHP Startup (New Class)

This 3-day class is designed to equip the technician with the skills to startup and operate an AAON WSHP unit.

It will cover the following topics:

- AAON Manufacturing Process (Plant Tour)
- Wiring and Operation of Pioneer Silver controller
- Wiring and Operation of Pioneer Gold controller
- Mechanical Operation of AAON WSHP unit
- Safety Procedures
- Troubleshooting AAON WSHP unit
- Hands On startup procedure for AAON WSHP unit

Requirements: HVAC Certification, AAON Sales Rep sponsorship.

Level 2 – Controls

This 3.5-day class is designed to equip the technician with knowledge to commission, program and troubleshoot the various AAON control systems.

It will cover the following topics:

- AAON Manufacturing Process (Plant Tour)
- Hot Gas Reheat Controller
- Mod Gas Controllers
- Preheat Controller
- Refrigeration System Modules
- Prism 2
- VCCX-2
- Yaskawa VFD drives
- BACnet integration and troubleshooting

Requirements: HVAC Certification, AAON Sales Rep sponsorship, 5 Years or more Commercial HVAC experience OR Level 1 completion.



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Dates:

Level 0.5 - Maintenance	Level 1 – Basic Startup	Level 1.5 – WSHP Startup	Level 2 – VCCX Controls
May 14 – 17	June 4 – 7 Full	September 10 - 12	June 18 – 21 Full
	July 9 – 12 Full		July 23 – 26 Full
	August 6 - 9		August 20 - 23
	October 8 - 11		October 22 - 25
	November 5 - 8		November 19 - 22
Tues. – Thurs. 8:00 – 4:00	Tues. – Thurs. 8:00 – 4:00 Friday 8:00 – 12:00	Tues. – Thurs. 8:00 – 4:00	Tues. – Thurs. 8:00 – 4:00 Friday 8:00 – 12:00

Accommodations

All hotel reservations will be made at the Tulsa Marriott Southern Hills **by AAON**. A block of rooms will be reserved for AAON at a special corporate rate. When you check in, you will need to let them know you are with the AAON group. Your reservation confirmation # will be emailed to you before you arrive. The hotel information is as follows:

Marriott Tulsa Southern Hills
 1902 E. 71st St.
 Tulsa, OK 74136
 918/493-7000

What is the cost?

The cost to attend each class is \$1,220 to be billed to the AAON sales firm sponsoring the attendee. Regarding hotel rooms, AAON will pay 100% of your hotel room should you choose a double room to be shared with another attendee. You must specify your roommate. If you prefer a single, AAON will pay ½ of the rate. Our corporate rate is \$92 per night. All guests will be asked to present a credit card for incidentals at the time of check-in per hotel policy. Breakfast will be provided by AAON by way of a breakfast voucher given to you at check-in to be used in the hotel restaurant. Lunch each day will be provided at the plant. The evening meal is your own responsibility for each night.

Transportation

The Marriott offers a shuttle from the airport to the hotel. Your flight information will be given to the hotel if you choose to utilize the shuttle service. If the shuttle is not at the airport when you arrive you may either wait for it to return or contact Uber or take a taxi to the hotel. AAON will provide transportation to and from the hotel and our plant and back to the airport at the end of the week.

Enrollment

Each student must be sponsored by their local AAON Rep. Class space is limited to 16 for each session. Please complete the Pre-Registration Form and you will be contacted with further information. Email your completed form to: andrew.hodges@aaon.com. Please allow 5 business days to receive a conformation.



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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.

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.