



APPRENTICESHIP TRAINING PROGRAM

Hampton Roads

2026-2027

ABC Virginia (ABC-VA) is an industry leader in construction apprenticeship programs. Companies that invest in employee development through apprenticeship programs attract a quality workforce of loyal and highly skilled employees, while closing the skilled workforce gap.

ABC-VA APPRENTICESHIP

ABC Virginia has a long history of providing high quality, student-centered learning with an emphasis on hands-on training. Our goal is to give individuals the opportunity to learn a trade, become skilled crafts professionals, earn a good living, and build Virginia.

Through our educational affiliate, National Center for Construction Education and Research (NCCER), we use Contren, a competency-based, task-driven, and nationally recognized curriculum. ABC-VA instructors are required to complete a formal certification in order to ensure consistent delivery of the curriculum.

ELIGIBILITY

- 18 years of age or older
- Employed in the HVAC field
- Physically able to perform work in the HVAC trade
- Must be able to read and write in English
- High school diploma or GED equivalent

RELATED TRAINING

By providing employers with the Advisory Apprenticeship Program Standards, ABC-VA delivers the related classroom training component of apprenticeship.

VIRGINIA WORKS REGISTRATION

Employers must register as apprenticeship program sponsors and must register their apprentices on an individual basis with Virginia Works (formerly Virginia Department of Labor and Industry).

1. **Visit bit.ly/vaworks-apprenticeship (or click here)**
2. Fill out the Registered Apprenticeship Inquiry/Referral Form. Select Potential Employer/Sponsor as your status.

Virginia Works Phone: 804.786.6030
apprenticeship@virginiaworks.gov

Without this registration, a student is not considered an apprentice in the state of Virginia.

Participation in the HVAC apprenticeship program will be strictly limited to apprentices that are employed by companies that are licensed as HVAC contractors in Virginia.

PREREQUISITES

All incoming Level I students will be required to take a math assessment. Students without a passing grade will be required to attend a **mandatory** math tutoring course at ABC-VA prior to the course (\$55 per person, offered 8/10-8/13 from 4-7PM).

COURSE CONTENT

LEVEL ONE

- Core Curriculum
- Intro to HVAC
- Trade Mathematics
- Basic Electricity
- Intro to Heating
- Intro to Cooling
- Intro to Air Distribution Systems
- Basic Copper and Plastic Piping Practices
- Soldering and Blazing
- Basic Carbon Steel Piping Practices
- CPR, First Aid & AED Certification
- OSHA 10 Hour
- CFC/EPA Certification

LEVEL TWO

- Commercial Airside Systems
- Chimneys
- Vents and Flues
- Intro to Hydronic Systems
- Air Quality Equipment
- Leak Detection
- Evacuation, Recovery and Changing
- Alternating Current
- Basic Electronics
- Intro to Control Circuit Troubleshooting
- Troubleshooting Gas Heating
- Troubleshooting Cooling
- Heat Pumps
- Basic Installation and Maintenance Practices
- Sheet Metal Duct Systems
- Fiberglass and Flexible Duct Systems

LEVEL THREE

- Refrigerants and Oils
- Compressors
- Metering Devices
- Retail Refrigeration Systems
- Commercial Hydronic Systems
- Steam Systems
- Planned Maintenance
- Water Treatment
- Troubleshooting Electronic Controls
- Troubleshooting Oil Heating
- Troubleshooting Heat Pumps
- Troubleshooting Accessories
- CPR, First Aid & AED Certification

LEVEL FOUR

- Construction Drawings and Specifications
- System Balancing
- Indoor Air Quality
- Energy Conservation Equipment
- Building Management Systems
- System Startup and Shutdown
- Heating and Cooling System Design
- Commercial and Industrial Refrigeration Systems
- Alternative Heating and Cooling Systems
- Intro to Supervisory Skills

2026-2027 APPRENTICESHIP SCHEDULE

The term of apprenticeship consists of four years or 8,000 hours (approximately 2,000 hours per year) of on-the-job training (OJT) and four years or 600 hours (approximately 150 hours per year) of related classroom instruction. OJT is administered by the student's employer. Related classroom instruction is administered by ABC-VA.

EVENING CLASSES

ABC-VA Hampton Roads Training Facility
530 Independence Parkway, Suite 500, Chesapeake, VA 23320

Classes will begin between the week of August 17, 2026, through the week of September 14, 2026. Schedules will vary.

CALENDAR

A comprehensive calendar schedule for the 2026-2027 session will be sent to the employer after registrations have been processed. Students will receive a hard copy of the schedule the first night of class.

2026-2027 TUITION

Tuition is due at time of enrollment. Apprentices employed by ABC-VA members receive a discount. Tuition includes lab, materials and administrative fees. Tuition must be paid in full for apprentices to be considered enrolled.

ABC-VA MEMBER \$1950

NON-MEMBER \$2450

DEADLINES

Enrollments received after August 7, 2026, will incur a late fee of \$75. Classes are closed to new enrollment after September 4, 2026. There are absolutely no refunds after September 4, 2026.

**CLICK HERE
TO REGISTER
ONLINE**

Please note: ABC-VA has moved to a fully digital application system.

