



# **PLUMBING**

## **APPRENTICESHIP TRAINING PROGRAM**

**Hampton Roads**

**2023-2024**

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 plumbing field
- Physically able to perform work in the plumbing 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.

### **DEPARTMENT OF LABOR REGISTRATION**

Employers must register as apprenticeship program sponsors, and must register their apprentices on an individual basis with the Virginia Department of Labor and Industry (DOLI): Maynard Stowe, 757-455-0891 ext. 453. Without this DOL registration, a student is not considered an apprentice in the state of 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. Exact dates to be determined. Price will be determined by the number of students enrolled.

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

# COURSE CONTENT

## LEVEL ONE

- Core Curriculum
- Intro to the Plumbing Profession
- Plumbing Safety
- Tools of the Plumbing Trade
- Intro to Plumbing Math
- Intro to Plumbing Drawings
- Plastic Pipe and Fittings
- Copper Pipe and Fittings
- Cast-Iron Pipe and Fittings
- Carbon Steel Pipe and Fittings
- Intro to Plumbing Fixtures
- Intro to Drain, Waste and Vent (DWV) Systems
- Intro to Water Distribution Systems
- CPR, First Aid & AED Certification
- OSHA 10 Hour

## LEVEL TWO

- Plumbing Math II
- Reading Commercial Drawings
- Hangers, Supports, Structural Penetrations and Fire Stopping
- Installing and Testing DWV Piping
- Installing Roof, Floor and Area Drains
- Types of Valves
- Installing and Testing Water Supply Piping
- Installing Fixtures, Valves and Faucets
- Intro to Electricity
- Installing Water Heaters
- Fuel Gas Systems
- Servicing of Fixtures, Valves and Faucets

## LEVEL THREE

- Applied Math
- Sizing Water Supply Piping
- Potable Water Treatment
- Backflow Preventers
- Types of Venting
- Sizing DWV and Storm Systems
- Sewage Pumps and Sump Pumps
- Corrosive-Resistant Waste Piping
- Compressed Air
- CPR, First Aid & AED Certification

## LEVEL FOUR

- Business Principles for Plumbers
- Introductory Skills for the Crew Leader
- Water Pressure Booster and Recirculation Systems
- Indirect and Special Waste
- Hydronic and Solar Heating Systems
- Codes
- Servicing Piping Systems, Fixture and Appliances
- Private Water Supply Well Systems
- Private Waste Disposal Systems
- Swimming Pools and Hot Tubs
- Plumbing for Mobile Homes and Travel Trailers
- Backflow Prevention/Cross Connection Devices Training



# 2023-2024 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  
5505 Robin Hood Road, Suite D, Norfolk, VA 23513

Classes will begin the week of August 28, 2023.

## CALENDAR

A comprehensive calendar schedule for the 2023-2024 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.

# 2023-2024 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** \$1775

**NON-MEMBER** \$2225

## DEADLINES

Enrollments received after July 28, 2023, will incur a late fee of \$50. Classes are closed to new enrollment after September 8, 2023. There are absolutely no refunds after September 8, 2023.



# 2023-2024 PLUMBING APPLICATION

Last Name: \_\_\_\_\_ First Name: \_\_\_\_\_ Middle Initial: \_\_\_\_\_

SSN#: \_\_\_\_\_ Date of Birth: \_\_\_\_\_

Address: \_\_\_\_\_ City: \_\_\_\_\_

State: \_\_\_\_\_ Zip: \_\_\_\_\_ Cell Phone #: \_\_\_\_\_ NCCER #: \_\_\_\_\_

Email Address: \_\_\_\_\_

**SPONSORING EMPLOYER:** ☐ ABC-VA Member Firm ☐ Non-Member Firm

Employer Company Name: \_\_\_\_\_ Employer Contact Name: \_\_\_\_\_

Address: \_\_\_\_\_ City: \_\_\_\_\_

State: \_\_\_\_\_ Zip: \_\_\_\_\_ Phone #: \_\_\_\_\_ Email Address: \_\_\_\_\_

**CLASS LEVEL:** ☐ Level I ☐ Level II ☐ Level III ☐ Level IV

## LOCATION & TIME

ABC-VA Hampton Roads Training Facility, 5505 Robin Hood Road, Suite D, Norfolk, VA 23513  
Evening Class. Calendar will be provided before classes begin.

## TUITION

ABC-VA Member: \$1775 Non-Member: \$2225

## REGISTRATION

An application must be completed for each individual apprentice. Tuition must be paid in full by July 28, 2023. Applications are processed on a first-come, first-served basis. By submitting this application, it is understood that in addition to registering with ABC-VA for the related training apprenticeship program, apprentices must also be registered with the Virginia Department of Labor in order to be considered a registered apprentice in the state of Virginia.

\_\_\_\_\_  
Signature of Applicant or Applicant's Employer

\_\_\_\_\_  
Date

## ENROLLMENT OPTIONS

IN-PERSON: Summer hours are Mon-Th 8:00AM-5:00PM / Fri 8:00AM - 12:00PM

EMAIL: Jamie Carrow / [jamie@abcva.org](mailto:jamie@abcva.org)

MAIL: ABC-VA Hampton Roads Training Facility, 5505 Robin Hood Road, Suite D, Norfolk, VA 23513

## DEADLINES

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## PAYMENT

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Tuition \$ \_\_\_\_\_

Signature: \_\_\_\_\_

3% CC Fee \$ \_\_\_\_\_

Credit Card #: \_\_\_\_\_

Late Fee \$ \_\_\_\_\_

Expiration Date: \_\_\_\_/\_\_\_\_/\_\_\_\_ CVC #: \_\_\_\_\_ Billing Zip Code: \_\_\_\_\_

Total Enclosed \$ \_\_\_\_\_

**ABC-VA HAMPTON ROADS, 5505 ROBIN HOOD ROAD, SUITE D, NORFOLK / (757) 855-8220**