



Associated Builders and Contractors



# ELECTRICAL APPRENTICESHIP TRAINING PROGRAM

**Northern Virginia 2026-2027**

ABC Virginia 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 electrical field
- Physically able to perform work in the electrical 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.

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

## 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](https://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@viriniaworks.gov](mailto:apprenticeship@viriniaworks.gov)

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

## CERTIFICATIONS

If applicant has OSHA 10-Hour and/or CPR/First Aid certifications, submit with application. These are required training per the ABC-VA curriculum. If the apprentice does not have the certifications, we will offer the training at ABC-VA.

OSHA 10-Hour is offered to all Level I students. CPR, AED & First Aid training is offered to all Level I and Level III students.

# COURSE CONTENT

## LEVEL ONE

- Core Curriculum
- Orientation to the Electrical Trade
- Electrical Safety
- Intro to Electrical Circuits
- Electrical Theory
- Intro to the National Electrical Code
- Device Boxes
- Hand Bending, Raceways & Fittings
- Conductors and Cables
- Electrical Construction Drawings
- Residential Electrical Services
- Electrical Test Equipment
- CPR, AED & First Aid Certification
- OSHA 10 Hour

## LEVEL TWO

- Alternating Current
- Motors: Theory and Application
- Electric Lighting
- Conduit Bending
- Pull and Junction Boxes
- Conductor Installations
- Cable Tray
- Conductor Terminations and Splices
- Grounding and Bonding
- Circuit Breakers and Fuses
- Control Systems and Fundamental Concepts

## LEVEL THREE

- Load Calculations: Branch and Feeder Circuits
- Conductor Selection and Calculations
- Practical Applications and Lighting
- Hazardous Locations
- Overcurrent Protection
- Distribution Equipment
- Transformers
- Commercial Electrical Services
- Motor Calculations
- Voice, Data and Video
- Motor Controls
- CPR, AED & First Aid Certification

## LEVEL FOUR

- Load Calculations: Feeders & Services
- Health Care Facilities
- Standby and Emergency Systems
- Basic Electronic Theory
- Fire Alarm Systems
- Specialty Transformers
- Advance Controls
- HVAC Controls
- Heat Tracing and Freeze Protection
- Motor Operation and Maintenance
- Medium Voltage Termination/Splices
- Special Locations

## GRADUATION

All students must have completed OSHA 10-Hour and CPR, AED and First Aid Certification trainings and education requirements (600 hours) to graduate.



# 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.

## LOCATION

ABC-VA Northern Virginia Training Facility  
42680 Trade West Drive, Dulles, VA 20166

## SCHEDULE

**Orientation sessions are scheduled for the week of August 10, 2026, with classes beginning the week of August 24, 2026.** Classes are typically set to occur once a week starting around 4:00PM. Class schedules will be finalized and shared in August.

Detailed information regarding both schedules and orientation activities will be provided in advance, ensuring ample time for planning and preparation.

# 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** \$2050

**NON-MEMBER** \$2450

**Tuition does not include the 2020 NEC. All students are required to have the 2020 NEC.**

## DEADLINES

Enrollments received after July 31, 2026, will incur a late fee of \$100. Classes are closed to new enrollments after August 14, 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.

