



ELECTRICAL APPRENTICESHIP TRAINING PROGRAM

Northern Virginia 2024-2025

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 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.

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) at (703) 392-0900. Without this DOL 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 II students. CPR, AED & First Aid training is offered to all Level I and Level III students.

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.

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

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
- OSHA 10 Hour

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
- Journeyman Exam Prep

GRADUATION

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



2024-2025 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 19, 2024. 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.

2024-2025 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.

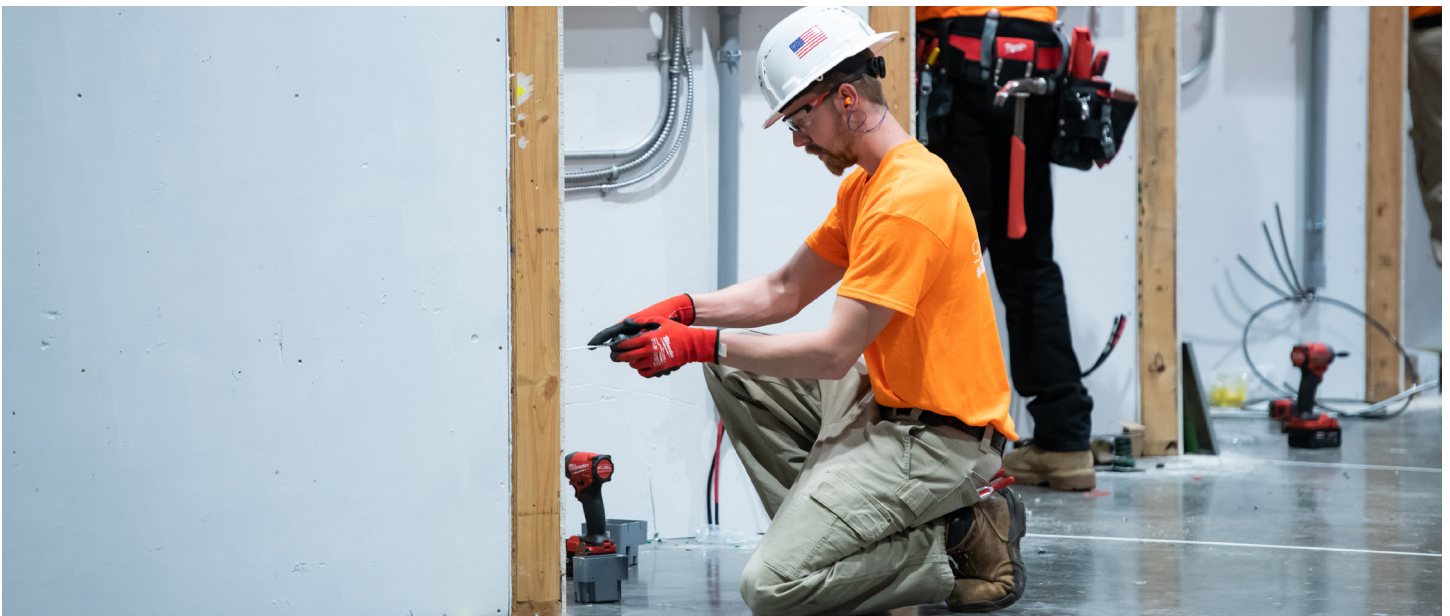
ABC-VA MEMBER \$2000

NON-MEMBER \$2400

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

DEADLINES

Enrollments received after August 6, 2024, will incur a late fee of \$100. Classes are closed to new enrollment after September 6, 2024. There are absolutely no refunds three weeks after the first scheduled class.



2024-2025 ELECTRICAL APPLICATION

Last Name: _____ First Name: _____ Middle Initial: _____

SSN#: _____ Date of Birth: _____

Address: _____ City: _____

State: _____ Zip: _____ Cell Phone #: _____ Mobile Provider: _____
(allows us to text important updates)

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

Class time and schedule will be provided before classes begin in August.

TUITION

ABC-VA Member: \$2000

Non-Member: \$2400

REGISTRATION

An application must be completed for each individual apprentice. Tuition must be paid in full by September 6, 2024. 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: Visit us during office hours, Mon-Thurs 8:00AM-5:00PM / Fri 8:00AM-12:00PM

EMAIL: Erin Stamer / erin@abcva.org

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

DEADLINES

Enrollments received after August 6, 2024, will incur a late fee of \$100. Classes are closed to new enrollment after September 6, 2024. There are absolutely no refunds three weeks after the first scheduled class.

PAYMENT

Checks should be made payable to ABC Virginia. Call to provide credit card information at (703) 968-6205 or complete the form below.
All credit card transactions will be charged a 3% fee.

Name: _____ Date: _____ Tuition \$ _____

Signature: _____ Late Fee \$ _____

Credit Card #: _____ 3% CC Fee \$ _____

Expiration Date: ____/____/____ CVC #: _____ Billing Zip Code: _____ Total Enclosed \$ _____