



ELECTRICAL APPRENTICESHIP TRAINING PROGRAM

TIDEWATER ELECTRICAL CONTRACTORS ASSOCIATION [TECA]

Hampton Roads

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 (757) 455-0891. 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 (\$50 per person, offered 8/12-8/15 from 4-7PM).

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 - Basic Construction Skills
- Electrical Safety
- Hand Bending
- Anchors and Supports
- Electrical Theory I
- Electrical Theory II
- Electrical Test Equipment
- Intro to the National Electrical Code
- Raceways, Boxes and Fittings
- Conductors
- Intro to Electrical Blueprints
- Electrical Wiring
- Commercial, Industrial and Residential
- CPR, AED & First Aid Certification Training
- OSHA 10 Hour

LEVEL TWO

- Alternating Current
- Motors: Theory and Application
- Grounding
- Conduit Bending
- Boxes and Fittings
- Conductors
- Installations
- Cable Tray Conductor Terminations and Splices
- Installation of Electric Services
- Circuit Breakers and Fuses
- Contractors and Relays
- Electrical Lighting

LEVEL THREE

- Load Calculations - Branch Circuits
- Conductor Selection and Calculations
- Overcurrent Protection
- Raceway, Box and Fitting Fill Requirements
- Wiring Devices
- Distribution Equipment
- Electricity in HVAC Systems
- Hazardous Locations
- Distribution System Transformers
- Basic Lighting
- Motor Calculations
- Motor Maintenance
- Motor Controls
- Electrical Lighting
- CPR, AED & First Aid Certification Training

LEVEL FOUR

- Load Calculations - Feeder Services
- Commercial/Industrial Lighting
- Specialty Lighting
- Standby and Emergency Systems
- Basic Electronic Theory
- Fire Alarm Systems
- Specialty Transformers
- Advanced Controls
- Welding Machines
- Heat Tracing and Freeze Protection
- Motor Maintenance
- High Voltage Terminators/Splices
- Blueprint Reading



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.

EVENING CLASSES

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

Classes will begin between the week of August 19, 2024, through the week of September 16. Schedules will vary.

CALENDAR

A comprehensive calendar schedule for the 2024-2025 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.

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 \$1900

NON-MEMBER \$2400

Students must arrive on the first day of class with a copy of the 2020 National Electrical Code book. NEC books are not included in tuition costs.

DEADLINES

Enrollments received after July 29, 2024, will incur a late fee of \$50. Classes are closed to new enrollment after September 6, 2024. There are absolutely no refunds after September 6, 2024.



2024-2025 ELECTRICAL 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
530 Independence Parkway, Suite 500, Chesapeake, VA 23320
Evening Class. Calendar will be provided before classes begin.

TUITION

ABC-VA Member: \$1900 Non-Member: \$2400

REGISTRATION

An application must be completed for each individual apprentice. Tuition must be paid in full by July 29, 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: Summer hours are Mon-Th 8:00AM-5:00PM / Fri 8:00AM - 12:00PM

EMAIL: Jamie Carrow / jamie@abcva.org

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

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PAYMENT

Name: _____ Date: _____ Tuition \$ _____
Signature: _____ Late Fee \$ _____
Credit Card #: _____ 3% CC Fee \$ _____
Expiration Date: ____/____ CVC #: _____ Billing Zip Code: _____ Total Enclosed \$ _____