

APPRENTICESHIP



APPRENTICESHIP QUICK GUIDE

**Electrical | Carpentry | HVAC
Heavy Equipment | Plumbing**

ACE | **ADULT AND
COMMUNITY
EDUCATION**

APPRENTICESHIP PROGRAMS

ELECTRICAL

Students develop skills in the installation, operation, maintenance, and repair of residential, commercial, and industrial electrical systems. They also study electrical theory, navigate the National Electrical Code Book, select and install conductors, and work with panelboards, switchboards, and generators.

PLUMBING

Plumbers do much more than fix leaks and run pipes. Plumbers design, install, and maintain water systems that move through municipal treatment plants before serving residential, commercial, and public buildings. Students learn to install heating, water, and drainage systems as well as safely assemble, install, and repair pipes and fittings according to specification and plumbing codes.

CORE CONSTRUCTION SKILLS

Core Construction Skills is a single course taken during the first year of all apprenticeship programs. Modules cover topics including Basic Safety, Communication Skills, and Introduction to Construction Drawings. Completing this curriculum equips the trainee with the basic skills needed to continue education in any craft area. A fast-track bootcamp is offered annually at the end of June.

HVAC

Heating, Ventilation, and Air Conditioning (HVAC) systems are integral parts of commercial, residential, and industrial buildings. Students learn techniques and skills needed to install, diagnose, repair, and maintain these increasingly complex systems. The National Center for Construction Education and Research (NCCER) curriculum prepares students for success in this in-demand industry.

Carpentry and Heavy Equipment programs are self-paced, online offerings.

In-person Carpentry classes are scheduled to begin fall 2023. Visit aceclasses.fcps.edu for more information.



TABLE OF CONTENTS

WHAT IS REGISTERED APPRENTICESHIP? 01

APPRENTICESHIP CLASSES 02

YOUR PLAN 03

ABOUT ACE 04

OTHER CLASSES 05

WHAT IS REGISTERED APPRENTICESHIP?



REGISTERED APPRENTICESHIP

Apprenticeship programs train participants in a skilled trade profession. Apprentices work as full-time paid employees of a registered training sponsor company. Programs include hands-on workplace training and related instruction in a classroom setting. Successful completion of each four-level program culminates in a portable, nationally recognized NCCER credential. ACE Apprenticeship classes are approved by the Virginia Department of Labor and Industry (DOLI) standards for apprenticeship related technical instruction.

ELIGIBILITY & REQUIREMENTS

- ACE apprenticeship programs offer a four-level comprehensive curriculum aligned to DOLI standards
- A Registered Apprentice completes a minimum of 2,000 hours of supervised on-the-job training and 144 hours of related technical instruction during each year of the apprenticeship
- Apprentices who successfully complete the required hours of on-the-job training and related technical instruction can sit for the corresponding journeyman credential exam
- Fastrack scheduling (two-year completion) is available for Electrical and Plumbing programs
- HVAC instruction follows a traditional four-year duration

APPRENTICESHIP CLASSES

ELECTRICAL

Electrical 1 | AP01000
Electrical 2 | AP01001
Electrical 3 | AP01002
Electrical 4 | AP01003

PLUMBING

Plumbing 1 | AP03000
Plumbing 2 | AP03001
Plumbing 3 | AP03002
Plumbing 4 | AP03003

HVAC

HVAC 1 | AP02000
HVAC 2 | AP02001
HVAC 3 | AP02002
HVAC 4 | AP02003

CORE CONSTRUCTION SKILLS

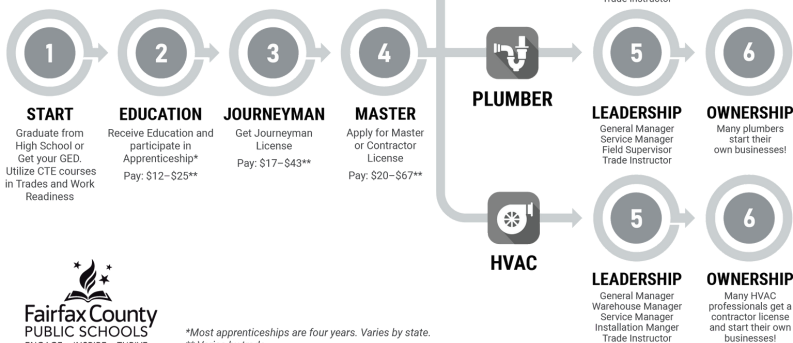
Core Construction Skills | AP05000
Core Construction Skills Bootcamp | AP05001

Classes meet at various FCPS locations 1-2 nights per week with some hybrid options. Visit aceclasses.fcps.edu for more information.

ADULT AND COMMUNITY EDUCATION | APPRENTICESHIP

CAREER PATH

You can take advantage of any of these opportunities when you choose the **electrical**, **plumbing**, or **heating and cooling** trades.



APPRENTICESHIP SCHEDULES

Fall	Fall Extended Term	Spring	Summer
September 1 - January 31	September 1 - April 30	March 1 - July 31	End of June
Core Construction Skills Plumbing 1 Plumbing 3 Electrical 1 Electrical 3	Core Construction Skills Plumbing 2 Plumbing 4 Electrical 2 Electrical 4	HVAC 1 HVAC 2 HVAC 3 HVAC 4	Core Construction Skills Bootcamp

Term	Sample Schedule	Your Schedule
Summer	Core Construction Skills Bootcamp	
Fall	Electrical 1	
Spring	Electrical 2	
Fall	Electrical 3	
Spring	Electrical 4	

YOUR PLAN

Fairfax County Public Schools Adult and Community Education (ACE) offers a variety of apprenticeship and trades classes at locations throughout the county, as well as virtually. This catalog provides a sampling of our classes. **For the most up to date information on classes, start dates, and fees, please scan the QR code or visit our website at <https://aceclasses.fcps.edu>.**



ACE is proudly offering apprenticeship curriculum in partnership with the National Center for Construction Education & Research (NCCER). NCCER develops standardized construction and maintenance curriculum and assessments with portable credentials. These credentials are tracked through NCCER's Registry System that allows organizations and companies to track the qualifications of their craft professionals and/or check the qualifications of possible new hires.

Apprenticeship curriculum, as well as continuing education in the trades, is also recognized and supported by the Department of Labor and Industry (DOLI).

SCAN ME



ABOUT ACE

AUTOMOTIVE

Auto Mechanics: Beginning
Auto Repair: Tuneup

DIY HOME IMPROVEMENT

Appliance Repair Workshop
Ceramic Tile
Drywall Basics
Flipping Houses: The Good, Bad, and Very Ugly
Kitchen and Bath Design Seminar
Selecting a Contractor

ELECTRICAL

Electrical License Exam Prep
Electrical Workshop: Maintenance and Repair
Residential Electricity - The Basics

GENERAL CONTRACTOR

Drywall, Painting, and Waterproofing Workshop
Kitchen and Bath Design Seminar
Obtaining Virginia Trade and Contractor's Licenses
Virginia Contractor's License Exam Prep

HVAC

HVAC License Exam Prep
Principles of Heating & AC Systems

PLUMBING

Beginner's Guide to Plumbing
Do-It-Yourself Plumbing
Plumbing Workshop: Maintenance and Repair



aceclasses.fcps.edu
<https://www.facebook.com/fcpsACE>
https://twitter.com/FCPS_ACE
<https://www.instagram.com/fcpsACE>
appren@fcps.edu



Fairfax County Public Schools
Adult and Community Education
Apprenticeship
Pimmit Hills Center
7510 Lisle Avenue
Falls Church, VA 22043