

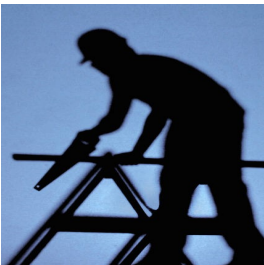
CARPENTRY **(2 YEAR PROGRAM)**

1st Year

- Orientation to the Trade
- Building Materials, Fasteners, and Adhesives
- Hand and Power Tools
- Reading Plans and Elevations
- Floor Systems
- Wall and Ceiling Framing
- Roof Framing
- Intro to Concrete, Materials, and Forms
- Windows and Exterior Doors
- Basic Stair Layout
- Commercial Drawings
- Roofing Applications
- Thermal and Moisture Protection
- Exterior Finishing
- Cold-Formed Steel Framing
- Drywall Installation
- Drywall Finishing
- Doors and Door Hardware
- Suspended Ceilings
- Window, Door, Floor and Ceiling Trim
- Cabinet Installation
- Cabinet Fabrication

2nd Year

- Rigging Equipment
- Rigging Practices
- Properties of Concrete
- Reinforcing Concrete
- Handling and Placing Concrete
- Trenching and Excavating
- Foundations and Slab-on-Grade
- Vertical Framework
- Horizontal Framework
- Tilt-Up Wall Panels
- Site Layout Measurement and Leveling
- Site Layout Two-Angular Measurement
- Advanced Roof Systems
- Advanced Wall Systems
- Advanced Stair Systems
- Intro to Light Equipment
- Welding
- Commercial Finish Work
- Site Preparation
- Introductory Skills for the Crew Leader



Students in the ABC Craft Training Program find greater job security, earning power, job advancement and satisfaction. Opportunities in construction for minorities and women greatly increase with ABC Craft Training. ABC Craft Training is your first step in becoming successful in the trade of your choice.

To apply or if you have any questions please contact our Director of Education at
615-399-8323.

You can also e-mail
mcorrenti@abctennessee.com



Tennessee
Chapter



Training
America's
Craftsmen

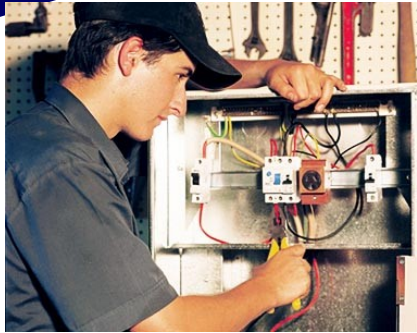
Tennessee
Chapter

Craft Training Programs of Tennessee



1604 Elm Hill Pike
Nashville Tennessee 37210
615-399-8323
www.abctennessee.com

FOUR YEAR PROGRAMS



ELECTRICAL

1st Year

- Orientation to the Trade
- Electrical Safety and Theory
- Intro to Electrical Circuits and the Nat. Electrical Code
- Device Boxes and Hand Bending
- Raceways, Fittings, Conductors, and Cables
- Basic Electrical Construction Drawings
- Residential Electrical Services
- Electrical Test Equipment

2nd Year

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

3rd Year

- Load Calculations-Branch Feeders and Circuits
- Conductor Selection and Calculations
- Overcurrent Protection and Wiring Devices
- Raceway, Box, and Fitting Fill Requirements
- Distribution Equipment and System Transfer
- Lamps, Ballasts, and Components
- Motor Calculations, Controls, and Maintenance (Part 1)
- Hazardous Locations

4th Year

- Load Calculations- Feeders and Services
- Practical Applications of Lighting
- Standby and Emergency Systems
- Basic Electronic Theory
- Fire Alarm Systems and Specialty Transformers
- Advanced Motor Controls and HVAC Controls
- Heat Tracing and Freeze Protection
- Motor Maintenance (Part 2)
- High Voltage Terminations and Splices

PLUMBING

1st Year

- Intro to the Plumbing Profession
- Plumbing Safety and Tools
- Intro to Plumbing Math and Drawings
- Plastic, Copper, and Carbon Steel Pipe and Fittings
- Corrugated Stainless Steel Tubing
- Fixtures and Faucets
- Intro to Drain, Waste, and Vent (DWV) Systems
- Intro to Water Distribution Systems

2nd Year

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

3rd Year

- Applied Math
- Sizing Water Supply Piping
- Portable Water Treatment and Backflow Preventers
- Types of Venting
- Sizing DWV and Storm Systems
- Sewage Pumps and Sump Pumps
- Corrosive-Resistant Waste Piping
- Compressed Air

4th Year

- Business Principles for Plumbers and Codes
- Intro Skills for the Crew Leader
- Water Pressure Booster and Recirculation Systems
- Indirect and Special Waste
- Hydronic and Solar Heating Systems
- Servicing Piping Systems, Fixtures, and Appliances
- Private Water Supply Well and Waste Disposal Systems
- Swimming Pools and Hot Tubs
- Plumbing for Mobile Homes and Travel Trailers



HVAC

1st Year

- Intro to HVAC
- Trade Math
- Copper and Plastic Piping Practices
- Soldering and Brazing
- Ferrous Metal Piping Practices
- Basic Electricity
- Intro to Heating and Cooling
- Air Distribution Systems

2nd Year

- Commercial Airside Systems
- Chimneys, Vents, and Flues
- Intro to Hydronic Systems
- Air Quality Equipment and Alternating Current
- Leak Detection, Evacuation, Recovery, and Charging
- Basic Electronics
- Intro to Control Circuit Troubleshooting
- Troubleshooting Gas Heating and Cooling
- Heat Pumps and Sheet Metal Duct Systems
- Basic Installation and Maintenance Practices
- Fiberglass and Flexible Duct Systems

3rd Year

- Refrigerants, Oils, and Compressors
- Metering Devices and Water Treatment
- Retail Refrigeration and Commercial Hydronic Systems
- Steam Systems and Planned Maintenance
- Troubleshooting Electronic Controls, Oil Heating, Heat Pumps, and Accessories

4th Year

- Construction Drawing and Specifications
- Indoor Air Quality
- Energy Conservation Equipment
- Building Management Systems
- System Startup and Shutdown
- Heating and Cooling System Design
- Commercial and Industrial Refrigeration