



# Plumbing

## Federal and State Approved Apprenticeship Program

Building the Industry together  
One Block at a Time

### NCCER Core Curricula

- Basic Safety
- Introduction to Construction Math
- Introduction to Hand Tools
- Introduction to Power Tools
- Introduction to Construction Drawing
- Basic Rigging
- Basic Communication Skills
- Basic Employability Skills
- Introduction to Material Handling

### NCCER Level One

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

### NCCER Level Two

- Plumbing Math Two
- Reading Commercial Drawings
- Hangers, Supports, Structural Penetrations, and Fire Stopping
- Installing and Testing DMV Piping
- Installing Roof, Floor, And Area Drains
- Types of Valves
- Installing and Testing Water Supply Piping
- Installing Fixtures, Valves, and Faucets
- Introduction to Electricity
- Installing Water Heaters
- Fuel Gas Systems
- Servicing of Fixtures, Valves, and Faucets
- Your Role in the Green Environment

### NCCER Level Three

- Applied Math
- Sizing Water Supply Piping
- Potable Water Treatment
- Backflow Preventers
- Types of Venting
- Sizing DMV and Storm Systems
- Sewage Pumps and Sump Pumps
- Corrosive-resistant Waste Piping
- Compressed Air

### NCCER Level Four

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

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