



Getting into the TRADES

Qualifications:2

- Must be at least 18 years of age
- Must have a high school diploma or G.E.D.
- Must be of good physical condition to perform the work required
- Must have a sincere interest in the trade
- Must have a valid driver's license (most trades)

Where do tradesmen/women work?

- Schools
- Hospitals
- New Home Construction
- Apartments
- Shopping Centers
- Office Buildings
- Commercial Construction
- Power Plants
- Stadiums & Arenas

What can I expect while training?

- Most programs can be completed in 3-5 years
- Classroom work and home studies are required
- On-the-job Training
- Some travel may be required

Visit www.whyapprenticeship.org for more information

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Becoming a BOILERMAKER

What does a Boilermaker do?

A Boilermaker is a highly skilled tradesman who erects and maintains various types of pressure vessels:

- Small boilers
- Coal fired boilers
- Blast furnaces
- Basic Oxygen Furnaces

A Boilermaker's skills include:

- Welding
- Burning
- Heavy and high rigging
- Layout work

Where does a Boilermaker work?

- Schools
- Hospitals
- Power Generating Plants
- Steel Mills
- Chemical Plants
- Refineries
- Paper Mills

Am I Qualified?

- Must be at least 18 years of age
- Must have a high school diploma or G.E.D.
- Must be of good physical condition to perform the work required
- Must not be afraid of heights
- Must not be claustrophobic
- Must be willing to work the night shift
- Knowledge of general Math, Geometry, Mechanical Drawing, and Welding preferred

What can I expect while training?

- Application accepted yearly
- Program is 4 years
- Classroom work and home studies are required
- On-the-job training
- Some travel may be required



Becoming a BRICKLAYER OR TILE LAYER

What do Bricklayers and Tile Layers do?

- Plastering
- Tile Laying
- Terrazzo
- Marble work
- Pointing & Restoration
- Brick Laying

Where do Bricklayer and Tile Layers work?

- Schools
- Hospitals
- New Home Construction
- Apartments
- Shopping Centers
- Office Buildings
- Older Buildings in need of Restoration

Am I Qualified?

- Must be at least 18 years of age
- Must have a high school diploma or G.E.D.
- Must have a valid driver's license
- Must be of good physical condition to perform the work required
- Must have a sincere interest in the trade

What can I expect while training?

- Program is approximately 3 years
- Classroom work and home studies are required
- On-the-job training with an experienced Journeyman
- Some travel may be required



Becoming a CARPENTER

What does a Carpenter do?

“Rough” Work:

- Residential Framing
- Concrete Form Building

“Finish” Work:

- Cabinet Installation
- Door hanging
- Stair Installation

“Interior Systems” Work:

- Acoustical Ceilings
- Metal Studs/Drywall
- Access Floor Systems

Where do Carpenters work?

- Houses
- Office Buildings
- Factories
- Warehouses
- Theaters
- Shopping Centers
- Schools

Am I Qualified?

- Must be at least 18 years of age
- Must have a high school diploma or G.E.D.
- Must be of good physical condition to perform the work required
- Must have a sincere interest in the trade
- Must have a valid driver’s license

What can I expect while training?

- Program is approximately 4 years
- Classroom work and home studies are required
- On-the-job Training
- Some travel may be required



Becoming a CEMENT MASON or PLASTERER

What does a Cement Mason do?

- Level Concrete
- Finish & Cure Concrete
- Cut, Repair & Resurface Concrete
- Create Architectural finishes

What does a Plasterer do?

- Plastering
- Finishing
- Textures
- Fireproofing
- Cure plastered surfaces
- Mold/Install Ornamental Pieces

Where do Cement Mason and Plasters work?

- Schools
- Hospitals
- New Home Construction
- Apartments
- Shopping Centers
- Office Buildings
- Commercial Construction

Am I Qualified?

- Must be at least 18 years of age
- Must have a high school diploma or G.E.D.
- Must be of good physical condition to perform the work required
- Must have a sincere interest in the trade
- Must have a valid driver's license

What can I expect while training?

- Program is approximately 3 years
- Classroom work and home studies are required
- On-the-job Training with an experienced journeyman
- Some travel may be required



Becoming an **ELECTRICIAN**

What does an Electrician do?

- Install & Repair Fixtures
- Install & Repair Control Equipment
- Assemble & Install Electrical Conduit
- Test Continuity of Circuits
- Install & Wire Electrical Systems

Where do Electricians work?

- Homes
- Commercial Office Buildings
- Schools
- Hospitals
- Utility Companies

Am I Qualified?

- Must be at least 18 years of age
- Must have a high school diploma or G.E.D.
- Must have completed 2 full years of High School math (one of the courses MUST be a full year of Algebra) with a minimum grade of "C"
- Must be of good physical condition to perform the work required
- Must have a sincere interest in the trade
- Must have a valid driver's license

What can I expect while training?

- Program is approximately 5 years
- Aptitude Test may be required
- On-the-job Training with an experienced Journeyman
- Some travel may be required
- Classroom work and home studies are required



Becoming a GLAZIER

What does a Glazier do?

- Architectural Metal Framing
- Cut, Fabricate and Install Glass
- Removal & Replacement of Broken Glass
- Install Glass Mirrors

Where do Glaziers work?

- Homes
- Large Commercial Buildings
- Schools
- Hospitals
- Outside on Scaffolding

Am I Qualified?

- Must be at least 18 years of age
- Must have a high school diploma or G.E.D.
- Must be of good physical condition to perform the work required
- Must have a sincere interest in the trade
- Must have a valid driver's license

What can I expect while training?

- Program is approximately 4 years
- Classroom work and home studies are required
- On-the-job training with an experienced Journeyman
- Some travel may be required



Becoming an INSULATOR

What does a Heat and Frost Insulator do?

- Insulate Boilers
- Insulate Steam Lines
- Insulate Hot & Cold Systems
- Cover, Seal, or Finish Insulation

Where do Insulators work?

- Mechanical Systems
- Commercial Office Buildings
- Industrial Projects
- Schools

Am I Qualified?

- Must be at least 18 years of age
- Must have a high school diploma or G.E.D.
- Must be of good physical condition to perform the work required
- Must have a sincere interest in the trade
- Must be willing to work in extreme heat and confined spaces

What can I expect while training?

- Program is approximately 4 years
- You must pass a preliminary test
- Some travel may be required
- You must attend and pay tuition for 3 semesters of schooling; you will be paid for your time in class
- On-the-job training with an experienced Journeyman



Becoming an **IRONWORKER**

What does an Ironworker do?

- Erection of structural steel
- Placement of reinforcing bars in concrete construction
- Rigging and erection of equipment
- Installation of miscellaneous fabricated building components
- Welding fabrication, ornamental, aluminum, sash, brass, bronze and plastic materials
- Work with metal to close tolerances
- Machinery moving

Where do Ironworkers work?

- Bridges
- Industrial and commercial buildings
- Sports stadiums
- Large residential buildings

Am I Qualified?

- Must be at least 18 years of age
- Must have a high school diploma or G.E.D.
- Must be of good physical condition to perform the work required
- Must have a sincere interest in the trade
- Must be willing to work in extreme heat and confined spaces

What can I expect while training?

- Program is approximately 4 years
- You must pass a preliminary test
- On-the-job training with an experienced Journeyman
- Some travel may be required



Becoming a LABORER

What does a Laborer do?

- Dig trenches
- Load & Unload
- Lift & Carry
- Landscaping
- Demolition
- Clear and Prepare sites for Construction
- Traffic Control onsite
- Set Braces
- Erect Scaffolding

Where do Laborers work?

- Bridges
- Highway Construction
- Sports stadiums
- Large residential buildings
- Commercial Buildings
- Schools
- Hospitals

Am I Qualified?

- Must be at least 18 years of age
- Must have a sincere interest in the trade
- Must be of good physical condition to perform the work required

What can I expect while training?

- Program is approximately 3 years
- You must pass a preliminary test
- On-the-job training with an experienced Journeyman
- Some travel may be required



Becoming a MILLWRIGHT

What does a Millwright do?

Installs and Aligns:

- Heavy Industrial Machines
- Conveyor Systems
- Monorail Systems
- Electric Generators

Skills:

- Precision
- Drilling & Tapping
- Welding & Bolting

Where do Millwrights work?

- Power Generating Stations
- Warehouses
- Factories
- Schools

Am I Qualified?

- Must be at least 18 years of age
- Must have a sincere interest in the trade
- Must have a high school diploma or G.E.D.
- Must have a valid driver's license
- Must be of good physical condition to perform the work required

What can I expect while training?

- Program is approximately 4 years
- On-the-job training
- Classroom work and home studies are required
- Some travel may be required



Becoming an OPERATING ENGINEER

What does an Operating Engineer do?

Operates Heavy Machinery, such as:

- Cranes
- Dozers
- Scrapers
- Loaders
- Motor Graders
- Tractor Loader Backhoes
- Excavators
- Forklifts
- Rollers
- Pavers
- Crushing
- Screening and Washing Plants
- Asphalt Plants
- Concrete Plants and Mixers
- Compressors

Where do Operating Engineers work?

- Bridges
- Highway Construction
- Sports Stadiums
- Large Residential Buildings
- Commercial Buildings
- Dams
- Plants that produce rock, sand, & gravel

Am I Qualified?

- Must be at least 18 years of age
- Must have a valid driver's license
- Must have a sincere interest in the trade
- Must be of good physical condition to perform the work required

What can I expect while training?

- Program requires 6,000 hours on the job
- You must pass an aptitude test
- Some travel may be required
- Must attend an orientation
- On-the-job training with an experienced Journeyman



Becoming a PAINTER

What does a Painter do?

- Painters apply paint or special Coatings
- Paper Hangers apply wall coverings such as paper, fabric and plastics
- Drywall finishers apply tape and finishes to previously hung gypsum wall board

Where do Painters work?

- Bridges
- Schools
- Commercial Buildings
- Industrial Projects
- Homes

Am I Qualified?

- Must be at least 18 years of age
- Must have a valid driver's license
- Must have manual dexterity
- Good eyesight and color-sense is preferable
- Must be of good physical condition to perform the work required
- Must have a sincere interest in the trade

What can I expect while training?

- Program is approximately 4 years (2 years for Drywall Taper)
- You must pass an aptitude test
- On-the-job training with an experienced Journeyman
- Some travel may be required
- Must attend an orientation
- Attend school 1day/week for 3 semesters (2 semesters for Drywall Taper)
- Complete 3 evening school courses (2 evening courses for Drywall Taper)



Becoming a **PLUMBER**

What does a Plumber do?

- Install Interior and Exterior Sewage Systems
- Prepare, Install, Test, Maintain and Remove Vertical and Horizontal Waste Systems
- Install Water Supply Systems
- Set and Connect Plumbing and Gas Fixtures and Appliances
- Cut, Thread, Weld, Braze, Solder, and Bend Pipe
- Install Pipe Assemblies, Fittings, Valves, and Appliances

Where do Plumbers work?

- Schools
- Homes
- Hospitals
- Commercial Buildings
- Industrial Projects
- Waste Water Plants

Am I Qualified?

- Must be at least 18 years of age
- Must be of good physical condition to perform the work required
- Must have a sincere interest in the trade
- Must have a valid driver's license

What can I expect while training?

- Program is approximately 5 years
- You must pass an aptitude test
- On-the-job training with an experienced Journeyman
- Some travel may be required



Becoming a ROOFER

What does a Roofer do?

- Apply hot built-up roofing
- Apply single-ply roofing
- Install shingle, tile, and slate roofs
- Waterproof Foundations and Plazas
- Line Ponds and Tanks

Where do Roofers work?

- Schools
- Homes
- Hospitals
- Commercial Buildings
- Industrial Projects

Am I Qualified?

- Must be at least 18 years of age
- Must have a reliable form of transportation
- Must be of good physical condition to perform the work required
- Must have a sincere interest in the trade

What can I expect while training?

- Program is approximately 4 years
- On-the-job training with an experienced Journeyman
- Some travel may be required
- Classroom training



Becoming a SHEET METAL WORKER

What does a Sheet Metal Worker do?

- Fabricate, Install, & Maintain HVAC Systems
- Sign work
- Sheet Metal Decking and Siding
- Heavy Metal Work and Blowpipe
- Ornamental and Decorative Sheet Metal
- Architectural Work (Copper Work, Rain Protection Systems, and Skylights)

Where do Sheet Metal Workers work?

- Schools
- Commercial Buildings
- Fabrication Shops
- Industrial Projects
- Homes
- Hospitals

Am I Qualified?

- Must be at least 18 years of age
- Must have a reliable form of transportation
- Must be of good physical condition to perform the work required
- Must have a sincere interest in the trade

What can I expect while training?

- Program is approximately 5 years
- On-the-job training with an experienced Journeyman
- Some travel may be required
- Classroom training
- Working in confined spaces



Becoming a SPRINKLERFITTER

What does a Sprinklerfitter do?

- Install Fire Protection Systems
- Install, Repair, and Maintain Fixed Piping
- Cut, Thread, and Hammer Pipe
- Assemble and Secure Pipes, Tubes, Fittings, and Related Equipment

Where do Sprinklerfitters work?

- Schools
- Homes
- Hospitals
- Commercial Buildings
- Large Residential Buildings

Am I Qualified?

- Must be at least 18 years of age
- Must have a reliable form of transportation
- Must be of good physical condition to perform the work required
- Must have a sincere interest in the trade

What can I expect while training?

- Program is approximately 5 years
- Some travel may be required
- Classroom training
- On-the-job training with an experienced Journeyman



Becoming a STEAMFITTER

What does a Steamfitter do?

- Rigging, setting, supporting and piping of related equipment, valves, fittings
- Pressure Tests Systems for Leaks
- Threading
- Welding
- Brazing
- Soldering
- Cementing
- Fusion & Mechanical Joining of Pipes

Where do Steamfitters work?

- Schools
- Homes
- Hospitals
- Commercial Buildings
- Large Residential Buildings
- Power Plants
- Waste Water Treatment Plants
- Industrial Projects
- New Construction

Am I Qualified?

- Must be at least 18 years of age
- Must be of good physical condition to perform the work required
- Must have a sincere interest in the trade
- Must have a valid driver's license

What can I expect while training?

- Program is approximately 5 years
- Some travel may be required
- Classroom training
- On-the-job training with an experienced Journeyman