



# GETTING INTO THE TRADES





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## QUALIFICATIONS

- 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



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# BECOMING A BOILERMAKER

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
- Heavy and high rigging
- Burning
- 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 not be claustrophobic
- Must have a high school diploma or G.E.D.
- Must be willing to work the night shift
- Must be of good physical condition to perform the work required
- Knowledge of general math, geometry, mechanical drawing, and welding preferred
- Must not be afraid of heights

## WHAT CAN I EXPECT WHILE TRAINING?

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





# BECOMING A BRICK LAYER OR TILE LAYER

## WHAT DO BRICKLAYERS AND TILE LAYERS DO?

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

## WHERE DO BRICKLAYER AND TILE LAYERS WORK?

- Schools
- Shopping Centers
- Hospitals
- Office Buildings
- New Home Construction
- Apartments
- 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
- On-the-job training with an experienced journeyman
- Classroom work and home studies are required
- 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
- Theaters
- Office Buildings
- Shopping Centers
- Factories
- Schools
- Warehouses

## 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
- On-the-job Training
- Classroom work and home studies are required
- 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 PLASTERERS WORK?

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

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

## 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?

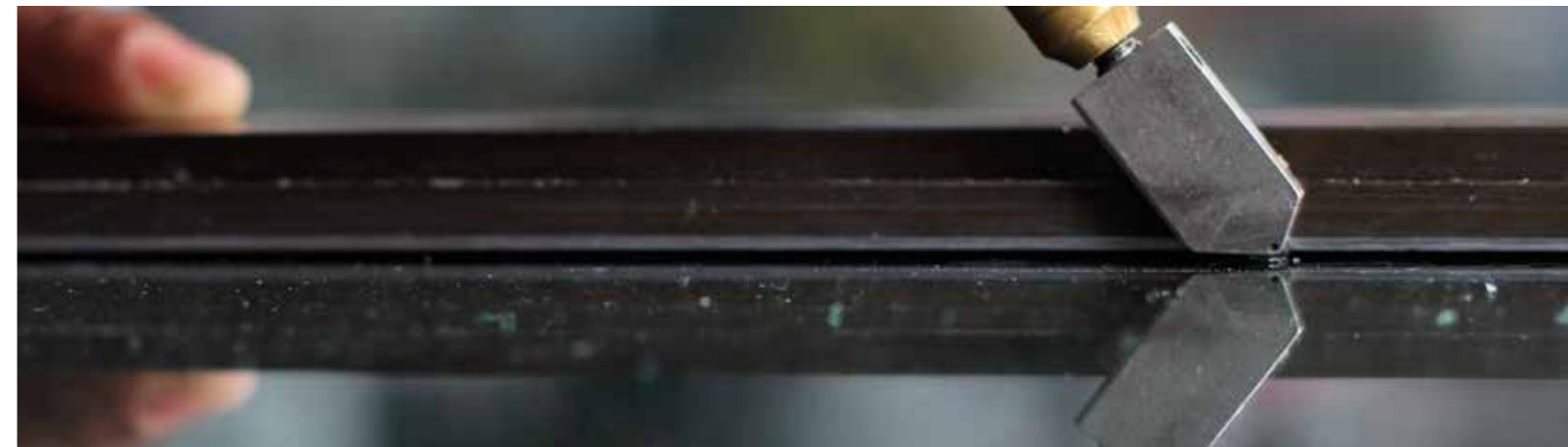
- Home
- Hospitals
- Large Commercial Buildings
- Outside on Scaffolding
- Schools

## 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 with an experienced Journeyman
- Classroom work and home studies are required
- 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
- Industrial Projects
- Commercial Office Buildings
- 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 be willing to work in extreme heat and confined spaces
- Must be of good physical condition to perform the work required

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

## 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 be of good physical condition to perform the work required
- 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 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 AN OPERATING ENGINEER

## WHAT DOES AN OPERATING ENGINEER DO?

- 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 sincere interest in the trade
- 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 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?

- 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
- Industrial Projects
- Schools
- Commercial Buildings
- 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 1 day/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 have a sincere interest in the trade
- 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 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
- Commercial Buildings
- Homes
- Hospitals
- Industrial Projects

## AM I QUALIFIED?

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

## 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 be of good physical condition to perform the work required
- Must have a sincere interest in the trade
- Must have a reliable form of transportation

## WHAT CAN I EXPECT WHILE TRAINING?

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



# 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

## 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 have a sincere interest in the trade
- 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 5 years
- You must pass an aptitude test
- On-the-job training with an experienced Journeyman
- Some travel may be required



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