

STEAMFITTERS LOCAL 601 OFFERS TWO APPRENTICESHIPS, CONSTRUCTION & HVACR REFRIGERATION/SERVICE.

STEAMFITTER – CONSTRUCTION APPRENTICESHIP:

Work Description:

Steamfitters (Construction) lay out, assemble, fabricate, troubleshoot, maintain, and repair piping systems which carry water, steam, chemicals, compressed air, liquids, gases or fuel used in energy production, heating, cooling, food processing, manufacturing, lubricating and other process piping systems.

Installation of process piping systems includes basic knowledge as follows:

- Blueprint reading, drawings, specifications, detailed isometric sketches and layout of pipe and equipment fabrication and installation
- Rigging, setting, supporting, and piping of related equipment, valves, fittings, etc.
- Measure, cut, bend, prepare and join all types of pipes, including threading, welding, brazing, soldering, cementing, fusion and mechanical joining
- Preparation of construction site for installation of equipment and piping, including walls, floors, ceilings, rooftops, shaft, etc.
- Pressure-test all systems to detect leaks prior to startup
- Works independently on proper piping practices in the industry and confirms proper function of installed/repaired piping systems and related equipment

Working Conditions:

Steamfitters work both indoors and outdoors at physically demanding tasks that often require climbing and heavy lifting (over 50lbs), strenuous physical stamina with walking, standing, and working in cramped or high areas. Operation of various hand tools, power-actuated tools, heavy equipment, weld machines, cutting torches and other industry-related equipment and tools is required. The work is performed at various jobsites, including new construction, hospitals, industrial, chemical, power and wastewater treatment plants, and most other commercial or institutional buildings, as well as residential sites. The work could be in buildings, trenches, on roofs or inside tunnels or confined spaces. Work usually requires exposure to weather conditions and loud noise.

Minimum Qualifications:

18 Years of Age

Valid Driver's License

High School Graduate or G.E.D.

Meet/Exceed required norms of aptitude, mechanical and spatial test

Wisconsin Apprenticeship Programs:

Five-Year Apprenticeship

640 Plus Hours Paid Related Instruction (as required by industry)

594 Plus Hours Unpaid Related Instruction Determined By Local Program

9,326 Plus Hours On-The-Job Instruction (as required by industry)

STEAMFITTER - HVACR REFRIGERATION/SERVICE APPRENTICESHIP:

Work Description:

Steamfitters (Refrigeration/Service) install, start-up, perform preventative maintenance, troubleshoot, diagnose and service heating, ventilation, air conditioning and refrigeration systems, equipment and controls in piping systems which carry water, steam, chemicals, air, liquid gasses or fuel used in energy production, heating, cooling, food processing, manufacturing, lubricating and other process piping systems.

Installation of heating, ventilation, and refrigeration and air conditioning systems includes basic knowledge as follows:

- Blueprint reading, drawings, specifications, and written instructions from manufactures
- Rigging, setting, supporting, and controlling related equipment
- Measure, cut, bend, prepare and join various types of pipe, including threading, brazing, soldering, cementing, and mechanical joining
- Pressure test systems to detect leaks
- Test systems to detect problems in electronic, pneumatic, digital, electrical, software or programmable logic controls
- Integrate systems via ductwork, electricity, electronics, pneumatics, and controls
- Provide necessary documentation to contractors, customer, manufacturers, and others requiring same
- Communicates effectively with customers, manufactures and other in the industry
- Skilled in the use of computers and controlling software
- Works independently on proper piping practices in the industry and confirms proper function of installed/repaired heating, ventilation, refrigeration and air conditioning systems, equipment and controls

Working Conditions:

Refrigeration/Service Fitters work both indoors and outdoors at tasks that often require climbing, lifting (over 25 lbs), advanced physical stamina with walking, standing and working in cramped or high areas. Operation of various hand tools, power-actuated tools, torches, computers, software and other industry-related equipment and tools is required. The work is performed at various jobsites, including new construction/hospitals, industrial, chemical, power and wastewater treatment plants, and most other commercial or institution buildings, as well as residential sites. The work could be in buildings, trenches, on roofs or inside tunnels or confined spaces. Work usually requires exposure to weather conditions and loud noise.

Minimum Qualifications:

18 Years of Age

Valid Driver's License

High School Graduate or G.E.D.

Meet/Exceed required norms of aptitude, mechanical and spatial test

Wisconsin Apprenticeship Programs:

Five-Year Apprenticeship

640 Plus Hours Paid Related Instruction (as required by industry)

562 Plus Hours Unpaid Related Instruction Determined by Local Program

9,326 Plus Hours On-The-Job Instruction (as required by industry)