

STEAMFITTERS TRAINING SCHOOL, INC.
Job Description
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, compressed air, liquids gasses or fuel used in energy production, heating, cooling, food processing, manufacturing, lubricating and other process piping systems.

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

- Blueprint reading, drawings, specifications and written instructions from manufacturers
- 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, customers, manufacturers and others requiring same
- Communicates effectively with customers, manufacturers and others 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 waste water 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 on Aptitude Test

Wisconsin Apprenticeship Programs:

Five-year Apprenticeship
576 Plus Hours Paid Related Instruction (as required by industry)
9,300 Plus Hours On-The-Job Instruction (as required by industry)
Unpaid Related Instruction Determined by Local Program