

STEAMFITTER TITLE DEFINITION

I. DEFINITIONS

STEAMFITTER

This is journey level steamfitter work. Employees lay out, assemble, install and maintain pipe systems, pipe supports, and related hydraulic and pneumatic equipment for steam, hot water, heating, cooling, lubricating, sprinkling, and industrial production and processing systems. Employees perform steamfitter work at the journey level of skill, normally on a full time basis; however, other related duties may also be assigned as necessary. Positions in this title may also direct and instruct apprentices, helpers and other assistants.

Positions are assigned any combination of the following duties:

- Assemble and secure pipes, tubes, fittings and related equipment, according to specifications, by welding, brazing, cementing, soldering and threading joints.
- Attach pipes to walls, structures and fixtures, such as radiators or tanks, using brackets, clamps, tools or welding equipment.
- Cut and bore holes in structures, such as bulkheads, decks, walls, and mains, prior to pipe installation, using hand and power tools.
- Cut, thread, and hammer pipe to specifications, using tools such as saws, cutting torches, and pipe threaders and benders.
- Inspect, examine, and test installed systems and pipe lines, using pressure gauge, hydrostatic testing, observation, or other methods.
- Lay out full scale drawings of pipe systems, supports, and related equipment, following blueprints.
- Measure and mark pipes for cutting and threading.
- Modify, clean, and maintain pipe systems, units, fittings, and related machines and equipment, following specifications and using hand and power tools.
- Plan pipe system layout, installation, or repair according to specifications.
- Select pipe sizes and types and related materials, such as supports, hangers, and hydraulic cylinders, according to specifications.
- Install, repair and replace steam pipes, valves, traps, fittings, connections and equipment.
- Install heating and refrigerating systems.
- Repair hot water tanks, autoclaves, sterilizers and other steam equipment.
- Maintain, repair and calibrate the more complex thermostats, air conditioning controls and water meters.
- Maintain and repair power house steam lines.
- Perform gas and arc welding.
- Direct and instruct apprentices, helpers and other assistants in the trade.
- Keep records and make reports.

II. QUALIFICATIONS

Steamfitter: Graduation from high school or attainment of age 18 and completion of an apprenticeship approved by the Department of Workforce Development as a steamfitter. Formal recognition of status by the appropriate international or local trade organization or some type of similar formal validation of journey status may also be accepted. Persons having informal training and experience equivalent to the formal apprenticeship and journey status may also be accepted upon submission of documented proof of such training and experience.

Equivalent training and experience for this craft: Evidence of at least 8,000 hours of training and experience in all of the following work processes: (1) installation of residential and apartment heating systems; (2) installation of industrial and commercial heating, ventilation and refrigeration systems; (3) installation and repair of power house systems; (4) repair and servicing of all types of heating, refrigeration and air conditioning systems; (5) installation and final testing of all types of refrigeration and air conditioning systems; (6) installation and final adjustment of temperature controls; and (7) completion of 500 hours of prescribed instruction. Such evidence may include letters or statements from past customers/clients and/or employers.

III. RELATED TITLES

Facilities Repair Worker, Facilities Mechanic, HVAC Specialist