

PLUMBER TITLE DEFINITION

I. DEFINITIONS

PLUMBER

This is journey level plumber work. Employees in this title definition perform plumber work at the journeyman level of skill under general supervision. Employees assemble, install, and repair pipes, fittings, and fixtures of heating, water, and drainage systems, according to specifications and plumbing codes. Plumber work is normally performed on a full time basis; however, other related duties may also be assigned as necessary. Positions in this title definition may also direct and instruct apprentices, helpers and other assistants.

Positions are assigned any combination of the following duties:

- Assemble pipe sections, tubing and fittings, using couplings, clamps, screws, bolts, cement, plastic solvent, caulking, or soldering, brazing and welding equipment.
- Fill pipes or plumbing fixtures with water or air and observe pressure gauges to detect and locate leaks.
- Review blueprints and buildings codes and specifications to determine work details and procedures.
- Prepare written work cost estimates.
- Study building plans and inspect structures to assess material and equipment needs, to establish the sequence of pipe installations, and to plan installation around obstructions such as electrical wiring.
- Perform complex calculations and planning for special or very large jobs.
- Locate and mark the position of pipe installations, connections, passage holes, and fixtures in structures, using measuring instruments such as rulers and levels.
- Measure, cut, thread, and bend pipe to required angle, using hand and power tools or machines such as pipe cutters, pipe-threading machines, and pipe-bending machines.
- Install pipe assemblies, fittings, valves, appliances such as dishwashers and water heaters, and fixtures such as sinks and toilets, using hand and power tools.
- Assemble and install air, gas, water and waste-disposal systems, cutting openings in walls for pipes, cutting, reaming and threading pipes.
- Install gas, water and sanitary fixtures and equipment with their supports, hangers or foundations.
- Melt and caulk lead joints, using cutting and welding equipment.
- Open sewers and keep them free from stoppage.
- Clean and repair any defective items in the system.
- Install and test backflow prevention devices, apply for all required permits and documentation.
- Install suitable fire stop system.

- Install laboratory equipment.
- Keep records and make reports.
- Perform related work as required.

II. QUALIFICATIONS

The qualifications required for these positions will be determined at the time of recruitment.

Graduation from high school or attainment of age 18 and possession of an unrestricted journeyman plumber's license issued by the Department of Commerce. Completion of a plumbing apprenticeship approved by the Department of Workforce Development is preferred. Certain positions may require possession of a master plumber's license.

Equivalent training and experience for this craft: Evidence of at least 8,000 hours total of sewer and private sewage disposal systems; cold and hot water piping including installation and connection of industrial piping and water mains; installation and connection of domestic hot water tanks, heaters and softeners; setting and connection of plumbing fixtures and appliances using supply and drainage systems; repair and service of gas stove piping; remodeling of plumbing and drainage systems; remodeling of plumbing and drainage systems; and related instruction and safety procedures. Such evidence may include letters or statements from past customers/clients and/or employers.

III. RELATED POSITION TITLES

Positions that perform semi-skilled trades work for a majority of the time such as Facilities Repair Worker or Facilities Mechanic. Semi-skilled trades work means the repair or replacement of existing equipment or building components with equipment or components of the same kind and does not alter or affect the performance of any building system, structure, exterior walls, roof or exits.