

PLUMBER

DEFINITION

Performs journey-level plumbing work in the installation, maintenance, alteration, and repair of plumbing systems and related equipment at a college.

TYPICAL DUTIES

Installs, replaces, maintains, and repairs plumbing systems, equipment, appliances, controls and fixtures such as dish and clothes washing machines, vacuum breakers, backflow devices, gas appliance safety controls, steam tables, plumbing fixtures, drains, sinks, sumps, circulatory pumps, water heaters, and showers including water, gas, and waste system installations.

Installs, maintains, and repairs gas piping systems for space heating.

Installs, maintains, and repairs lawn-sprinkler systems, including automatic, semi-automatic, and manually operated types.

Installs, maintains, and repairs air and gas welding systems.

Surveys gas safety devices and other plumbing equipment which may need repair or replacement.

Installs, maintains, and repairs automatic fire-sprinkler systems

Reviews plans, blueprints, and specifications for plumbing projects to understand scope of projects, complete assigned work orders, and recommend potential changes to supervisor.

Attends to trouble calls for emergency repairs to plumbing systems and equipment.

Safely operates tools and equipment used in the plumbing trade.

Maintains plumbing hand and power tools and equipment to ensure their safe and efficient operation.

May assist in estimating job costs, preparing material lists and job records, and maintaining an inventory of supplies and tools for assigned area/projects.

May assist in planning and developing modifications to existing plumbing systems.

May inspect facilities for maintenance and safety problems related to plumbing materials.

May assist in inspecting plumbing work performed by outside contractors.

May assist in developing job specifications, diagrams, and blueprints related to plumbing work.

May provide work direction to staff assigned to the plumbing unit.

Performs related duties as assigned.

DISTINGUISHING CHARACTERISTICS

A **Plumber** performs journey-level plumbing work in the installation, maintenance, alteration, and repair of plumbing systems and related equipment at a college.

A **General Foreman** plans, coordinates, and supervises the work of skilled journey-level workers of at least three building trades and other staff assigned to work projects at a college, and has job site responsibility for various building trades projects.

DISTINGUISHING CHARACTERISTICS (Cont.)

A **Lead Plumber** acts as a lead over a small group of journey-level workers of the plumbing trade and other assigned staff and performs the more complex work related to the installation, maintenance, alteration, and repair of plumbing systems and related equipment at a college. Lead responsibilities include guidance and instruction on techniques, methods, and procedures for accomplishing assigned tasks and solving problems. A small group of employees typically consists of at least three people, two of whom must be at the journey-level.

SUPERVISION

General supervision is received from a General Foreman or facilities management staff. May provide work direction to Maintenance Assistants.

CLASS QUALIFICATIONS

Knowledge of:

- Water, gas, waste, lawn- and fire-sprinkler systems and air and gas welding and other related systems
- Current practices, materials, hand and power tools, and equipment used in the plumbing trade
- Installation, maintenance, alteration, and repair of plumbing systems and related equipment
- Testing and inspection methods for plumbing systems and related equipment
- State and local regulations pertaining to plumbing standards
- Harmful effects of hazardous or toxic materials and the protection and safeguards required when working with or controlling such materials
- Basic recordkeeping procedures
- Capabilities of computer applications, systems, and hardware used in the plumbing trade

Skill in:

- Using tools and operating equipment of the trade

Ability to:

- Install, maintain, modify, diagnose malfunctions, and repair plumbing systems and related equipment
- Make accurate measurements and computations
- Read, interpret, and work from drawings, sketches, plans, and blueprints
- Effectively use test equipment
- Safely operate tools and machines of the plumbing trade
- Safely lift heavy materials and equipment
- Follow oral and written instructions
- Keep accurate records
- Work effectively and cooperatively with staff, administrators, faculty members, and contractors
- Effectively utilize computer systems and software applicable to the plumbing trade
- Learn characteristics of new systems and equipment of the plumbing trade and update skills to adapt to changing technology
- Learn general and specialized software applications

ENTRANCE QUALIFICATIONS

Education and Experience:

- A. Graduation from high school or its equivalent **AND** completion of a recognized apprentice training program of at least four years' duration in the plumbing trade **AND** one year of full-time, paid journey-level experience in the plumbing trade.

OR

- B. Graduation from high school or its equivalent **AND** five years of full-time, paid experience in plumbing work under the supervision of a journeyman or crafts supervisor. One year of the required experience must have been at the journey-level.

Special:

A valid Class "C" California driver's license.

Access to an automobile.

A valid backflow prevention tester certification issued by the Los Angeles County Department of Public Health must be obtained within six months of employment. Every two years, an incumbent shall be required to renew the aforementioned certification.

SPECIAL NOTE:

Prior to employment, all successful candidates will be required to pass an asbestos medical examination in compliance with the General Industry Safety Orders, Section 5208, Title 8 of the California Administrative Codes.