

LEAD PLUMBER

DEFINITION

Acts as a lead and participates in the work of a small group of journey-level workers of the plumbing trade and other assigned staff engaged in installing, maintaining, modifying, and repairing a variety of plumbing systems and related equipment at a college.

TYPICAL DUTIES

Schedules and oversees the work of a small group of journey-level workers and other assigned staff engaged in performing installation, replacement, maintenance, and repair on plumbing systems, equipment, appliances, controls and fixtures.

Determines most efficient work procedures and techniques for assigned staff to ensure timely completion of plumbing projects, and makes sure that safety standards and procedures are followed.

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.

Installs, maintains, and repairs automatic fire-sprinkler systems.

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

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

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

Estimates job costs, prepares material lists and job records, and maintains an inventory of supplies and tools for assigned area.

Provides supervisor with technical input on plumbing work concerning planned construction and work projects in progress.

Assists in planning and developing modifications to existing plumbing systems.

Inspects facilities for maintenance and safety problems related to plumbing systems and equipment.

Assists in the inspection of plumbing work performed by outside contractors.

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

Provides training to staff assigned to unit.

May schedule and oversee the work of other building trade workers assigned to unit.

Performs related duties as assigned.

DISTINGUISHING CHARACTERISTICS

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.

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.

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

SUPERVISION

General supervision is received from a General Foreman or facilities management staff. Exercises lead responsibilities over journey-level workers and 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
- Industrial and commercial building construction
- Harmful effects of hazardous or toxic materials and the protection and safeguards required when working with or controlling such materials
- Basic methods and procedures used in planning and estimating job projects
- Basic heating, ventilation, refrigeration, and air conditioning systems
- Basic electrical systems and carpentry
- Principles of training
- Basic principles of recordkeeping
- 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, analyze malfunctions, and repair plumbing systems and related equipment
- Make accurate measurements and computations
- Effectively use test equipment
- Safely operate tools and machines of the plumbing trade
- Safely lift heavy materials and equipment
- Make accurate cost estimates of material and labor
- Provide leadership and technical assistance to others
- Train others in the work of the unit
- Work effectively and cooperatively with staff, administrators, faculty members, students, and contractors
- Keep accurate records
- Give clear and concise instructions
- 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** two years of full-time, paid journey-level experience in the plumbing trade. Experience in a lead capacity is desirable.

OR

- B. Graduation from high school or its equivalent **AND** six years of full-time, paid experience in plumbing work under the supervision of a journeyman or crafts supervisor. Two years of the required experience must have been at the journey-level. Experience in a lead capacity is desirable.

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.