

## **THE UNIVERSITY OF WYOMING JOB DESCRIPTION**

This is a description of a staff position at the University of Wyoming not a job opening announcement. Look for current job openings at the following link: [UW Human Resources](#).

*The following statements are intended to describe the general nature and level of work being performed. They are not intended to be construed as an exhaustive list of all responsibilities, duties and skills required of personnel so classified.*

**Title:** PLUMBER/PIPEFITTER

**Reports To:** Designated Supervisor

**UW Job Code:** 6218

**UW Job Family:** 62 - Crafts/Trades

**SOC Code:** 47-2152

**FLSA:** Non-exempt

**Pay Grade:** 21

**Date:** 4-1-95 (revised 11-15-99; 7-1-02; 7-19-02; 7-1-04; 8-1-04; 7-1-06; 7-1-08)

### **JOB PURPOSE:**

Perform journeyman-level plumbing work required to inspect, repair and maintain University water, gas, drainage, utility and heating systems.

### **ESSENTIAL DUTIES AND RESPONSIBILITIES:**

- Maintain, troubleshoot, repair, and modify complex commercial and industrial mechanical systems such as regular utilities, heating, cooling, ventilating, process piping systems, pressure vessels, boilers, fire protection systems, temperature control systems, control valves, and all other plumbing fixtures on campus.
- Maintain, troubleshoot, repair and modify the steam-generating, distribution and utilization system including both the high and low-pressure sides of the system.
- Field design, layout, fabricate and install any and all of the systems listed above.
- Read and interpret construction drawings, sketches and plans to determine equipment and materials required and appropriate methods of installation.
- Use rule, spirit level and plumb bob to locate passages for pipe through walls and floors.
- Cut pipe passageways using manual and power tools; bend pipe using a bending machine or hand methods.
- Join pipe using screws, bolts, solder, solvents, slip and threaded joint fitting, and caulking.
- Inspect gas heating and water systems for damage including unsafe or unsanitary conditions, or for building code violations; recommend or take remedial action to bring gas heating and water systems to appropriate levels of safety and sanitation.
- Perform work in specialized plumbing areas by replacing plumbing fixtures such as sinks, commodes, hot water tanks, water treatment equipment, clean and repair sewer lines, drains, traps, and septic tanks; install, repair, and maintain hot water and steam heating systems; install,

repair, and maintain burning equipment such as furnaces, ranges, grills, and fryers; repair and maintain various types and sizes of pumps.

### **SUPPLEMENTAL FUNCTIONS:**

- Recognize and report to appropriate department hazardous materials including asbestos, lead and mercury.

### **COMPETENCIES:**

- Analysis/Problem Identification
- Attention to Detail
- Consistency
- Quality Orientation
- Safety Awareness
- Work Tempo

### **MINIMUM QUALIFICATIONS:**

Education: High School Diploma or GED, plus completion of a U.S. Department of Labor approved four-year apprenticeship program that meets their requirements to obtain journeyman-level status.

Experience: 3 years experience as a licensed journeyman-level plumber

Required licensure, certification, registration or other requirements:

- Completion of a U.S. Department of Labor approved plumbing apprenticeship program (4 years) which meets the requirements to attain licensure from the State of Wyoming and the City of Laramie as a "Journeyman Plumber".
- Valid driver's license

### **KNOWLEDGE, SKILLS, AND ABILITIES:**

Knowledge of:

- Occupational hazards and safety precautions of the trade.
- Current trade methods, materials and equipment.
- Applicable state and federal regulations.
- Maintenance and repair of basic and routine steam, water, drainage, utility, heating systems, and natural gas distribution systems.

Skills and Abilities to:

- Read, prepare and interpret construction drawings, sketches, diagrams, blueprints and specifications.
- Read, understand, and follow safety procedures.
- Communicate clearly and concisely.

- Communicate effectively both orally and in writing.
- Understand and carry out oral and written instructions.
- Select appropriate materials based on application and amounts required.
- Install a wide variety of plumbing fixtures and equipment.
- Diagnose, isolate, and repair steam, water, drainage, utility, heating systems, and natural gas distribution systems.
- Measure, cut, thread, and install a wide variety of plumbing fixtures and equipment.
- Inspect, diagnose, maintain, and repair, a wide variety of systems, equipment, and fixtures.
- Perform safety inspections on a variety of equipment.
- Ability to serve 24-hour on-call duty.
- Move objects weighing up to 100 pounds.

### **WORKING CONDITIONS:**

Shop and in/outdoor environments; regularly exposed to hazards associated with the use of power and hand tools, dust, fumes, high-pressure steam, high temperatures, and confined spaces.

Authorized by Classification/Compensation, Human Resources

Employees may be requested to perform job-related tasks other than those specifically presented in this description. Participating in the University's hazardous waste minimization program is part of the job of each employee who uses (or may come in contact with) hazardous materials. Fair Labor Standards Act (exempt/non-exempt) is designated by position. University of Wyoming actively supports Americans with Disabilities Act and will consider reasonable accommodations.