

## WELDER/MACHINIST\*

### **Function of Job:**

Under direct supervision of designated supervisor, who is responsible for the coordination of necessary work, to perform skilled work in welding, brazing, heating, cutting, machining, and shaping metal through the use of acetylene, electric arc welding equipment and machinist equipment.

### **Characteristic Duties and Responsibilities:**

1. Prepare objects for welding by preheating, cleaning and filing, positioning, aligning and clamping or wiring loose parts.
2. Evaluate, design, repair and/or fabricate machine work as required.
3. Perform maintenance/repairs on pumps, motors, kitchen equipment, fans campus utility systems, and Grounds and Roads equipment.
4. Perform electric arc and acetylene welding on equipment, including pipe, tanks, machine parts, metal structures, fixtures and fittings.
5. Read and interpret blueprints, diagrams, sketches and job specifications.
6. Maintain, clean and perform minor repairs on welding equipment.
7. Order required welding materials such as rods, gas and metals.
8. Perform prime coat painting as necessary.
9. Inspection, record keeping and repair/rebuilding of circulators, booster pumps and utility pipes.
10. Report to work as required under emergency conditions, such as before/during/after adverse weather conditions to repair utility lines, etc.
11. Perform other related duties as required.

### **Minimum Acceptable Qualifications:**

1. Technical school graduation or four years apprenticeship.
2. Two years experience as welder/machinist at journey level.
3. Extensive knowledge and understanding of large underground utility distribution system.
4. Welding proficiency with electric arc, MIG, TIG and brazing performed in constricted locations, tunnel boxes and other restrictive/uncomfortable circumstances.
5. Technical proficiency on standard machine shop equipment such as lathe, milling machine, drill press, band saw and any machinist related hand tools.
6. Sufficient strength and physical dexterity to perform duties and responsibilities of this job, including heavy lifting.
7. Must be able to wear/use all personal protective equipment required to perform job safely.
8. Valid motor vehicle operator's license if required.

11/3/97  
System Approval

11/3/97  
Effective Date

**This document is a generic classification specification of the University System of New Hampshire. Its purpose is to describe the representative responsibilities and general level of complexity, and it is not a substitute for the specific job description of the individual position.**

\*Revised - original approved 4/18/75, 7/30/80, 3/10/82, and 11/3/97.