**Class Summary**

The responsibilities of this classification include performing fully proficient, journey-level mechanic responsibilities, which include repairing, maintaining, overhauling, and installing a variety of heavy equipment, including pumps, motors, grinders, blowers, compressors, presses, injection systems, disinfection equipment, chemical handling equipment, and hydraulic and pneumatic equipment.

**Distinguishing Characteristics**

This is the second level within a three-level classification series. The Industrial Maintenance Mechanic is distinguished from the Industrial Maintenance Mechanic - Master classification in that the Master Mechanic is responsible for providing lead direction to mechanical and other skilled trade occupations and performing mechanical maintenance responsibilities associated with complex industrial machinery.

**Examples of Duties**

*In addition to the duties of the Industrial Maintenance Worker classification, the Industrial Maintenance Mechanic will:*

1. Maintain, repair, troubleshoot, and overhaul various complex machinery; conduct preventative maintenance practices as assigned.
2. Use appropriate materials to install, repair, maintain, and design piping and plumbing systems for sewage, water, gases, chemicals, and solids.
3. Design, fabricate, and repair plant piping, equipment guards and bases, stairs, support railings, ladders, building frames using welding equipment, metal inert and tungsten inert gases, arc, cutting, torch and plasma cutter, and plastic welder.
4. Install, design, and fabricate various metal fixtures, including vents, air ducts, doors, louvers, containers, equipment covers, machinery bases, and support members.
5. Plan equipment repairs using blueprints, engineering drawings, computer-aided design, Maintenance Information Management System (MIMS), operations and maintenance manuals, vendor data, catalogs, and internet or intranet information. Work with computer-aided design (CAD) personnel to provide as-built drawings to facilitate parts and material ordering, equipment assembly, and modifications.
6. Operate, maintain, and inspect mobile/overhead cranes and forklifts (up to 40 tons) to remove, maintain, and install multi-ton industrial machinery using safe rigging techniques.
7. Operate various machine shop equipment, including fusion machines, hot saws, band saws, mills, lathes, radial drills, hydraulic press, and surface grinders, to fabricate parts, sleeves, shafts, bushings, and cutters. Make tools and repair threads to meet design specifications according to the manufacturer’s blueprints.
8. Use testing equipment and software, measurement, and vibration analysis techniques to evaluate and troubleshoot equipment problems.
9. Lead the work of assigned crew involved in the repair, overhaul, installation, and maintenance of equipment as determined by the supervisor; provide technical and safety training to workers on safety hazards and work procedures; and complete paperwork outlining confined space entry and lock-and-tag-out procedures.
10. Visit work sites to maintain effective communication, monitor progress on major projects, and observe working conditions.
11. Perform other duties as assigned.

**Knowledge/Skills**

Knowledge of the safe operation and use of power and hand tools

Knowledge of carpentry techniques to build supports for the repair and overhaul of machinery

Knowledge of safety procedures associated with handling hazardous materials

Knowledge of using an automated maintenance work order system

Knowledge of the application of lubrication principles and techniques

Skill in reading schematic drawings

Ability to inspect job sites and get in and out of confined spaces; physical capacity to sit for long periods

Ability to carry items and materials weighing up to 50 pounds

Skill in oral and written communication

Ability to respond to a variety of wastewater emergencies on an assigned standby shift, to work all shift schedules, and to report to work during adverse and inclement weather conditions

Ability to lift and carry equipment weighing up to 50 pounds, use ladders, and work around noxious odors and high noise levels

Ability to effectively engage in and sustain relationships with people from diverse cultures and socio-economic backgrounds

Ability to work independently and as a team member

Demonstrated proficiency with business applications, such as Microsoft Office suite

**Education and Experience Requirements**

Any combination of education and experience that clearly demonstrates the ability to perform the job duties of the position

**Licensing, Certification and Other Requirements**

Washington State Driver’s License

Some licenses, certifications and other requirements determined to be essential to meet the business needs of the employing unit may be required

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| **FLSA Designation** | Non-Exempt |
| **Service Status** | Career Service |
| **EEO Code** | 7 |
| **Levels within same series** | Industrial Maintenance Worker, Industrial Maintenance Mechanic, and Industrial Maintenance Mechanic Master |
| **Class History** | 09/2006 – Created  11/2007 – Updated font and format  03/2010 – Updated  03/2025 – Updated content |