

Welder

FLSA Status: Covered
Bargaining Unit: Portland City Laborers 483 (PCL)

General Summary

Positions in this broad class perform a variety of skilled welding work and allied trades, including metal fabrication, structural and mechanical welding, pipe welding and fitting, and metalworking related to vehicle repair and maintenance.

Welder, Apprentice - 30000122

Distinguishing Characteristics

The apprentice level of this class typically assists with and learns to perform the full range of welder tasks under the instruction of a journey Welder and as active participant in Apprenticeship Program.

Typical Duties/Examples of Work

1. Assists in and learns to perform the full range of welder tasks.
2. Responds to calls to work during emergencies
3. Performs related duties as assigned.

Required Knowledge, Skills and Abilities

Knowledge of: basic welder operations

Ability to: communicate effectively; read and follow instructions

Special Requirements

Valid state driver’s license

Classification History:

Adopted: 2-03-99:

Class created as a result of DCTU Classification and Compensation Study 1998-99. This class is composed of the following classes:
1282 Welder Apprentice (No Class Spec Available)

June 2009 - Change Job Class number from 1509 to 30000122, due to system change.

Revised: 7-1-17 Union changed from DCTU to PCL

Welder - 30000123**Distinguishing Characteristics**

The journey level of this class typically performs all class duties. It is distinguished from the Machinist class in that it does not require certification as a machinist and typically does not specialize in precision machining.

Typical Duties/Examples of Work

1. Lays out, develops designs for, assembles, fits, cuts and welds various metals as required for fabrication, modification or maintenance of equipment, fixtures, pipe, fittings, and metal structures requiring close tolerances.
2. Performs welding and related activities in shop and field locations, as appropriate, working in flat, vertical, horizontal and overhead positions; sets rigging and operates lifts and small cranes as needed to perform work.
3. Fabricates equipment, tools, structures, pipe and other metal products; forges and solders metal using the full array of welding techniques, including oxygen/acetylene and arc welding such as flux core, gas metal, gas tungsten, shielded metal and plasma.
4. Repairs defective or damaged metal parts that are broken, cracked, twisted, dented, torn, ripped, crumpled, misshapen, or otherwise deviate from original contours or specifications.
5. Operates a variety of metal shop equipment, power and hand tools, welding equipment as certified for specific jobs, materials handling equipment such as fork lifts, and vehicles and equipment that require repair or modification.
6. Disassembles and reassembles equipment and metal structures that require repair or modification.
7. Maintains records, supplies and equipment; determines materials needs; carries out all required safety procedures.
8. Plans and organizes assigned job; estimates time, materials and equipment; orders and purchases materials; coordinates job activities with other crafts and trades personnel; reviews plans and specifications, and confers with engineers, design professionals and inspectors on suggested changes and modifications.
9. May lead crew of trade helpers.

10. Responds to calls to work during emergencies

11. Performs related duties as assigned.

Required Knowledge, Skills and Abilities

Knowledge of: tools, materials, processes and techniques of welding for various types of metal; metal repair and fabrication; troubleshooting techniques; metal structures, fixtures, pipes, and fittings

Ability to: learn and use safe working practices; maintain records; perform layout and sketch designs for metal structures; communicate effectively; work effectively with co-workers in a diverse workforce, and respond appropriately to question/concerns from other employees and the public

Skill in: welding, fabricating, forging, disassembling and reassembling, repairing, modifying and maintaining equipment, tools, structures, pipe and other products made of various types of metal; completing reports; performing measurements and arithmetic computations including multiplication, division, fractions, decimals and conversions.

Special Requirements

Valid state driver’s license; some positions may require a Commercial Driver’s license and additional endorsements, certifications and licenses.

Classification History:

Adopted: 2-03-99:

Class created as a result of DCTU Classification and Compensation Study 1998-99. This class is composed of the following classes:

1513 Welder Adopted: 03-18-80

June 2009 - Change Job Class number from 1510 to 30000123, due to system change.

Revised: 7-1-17 Union changed from DCTU to PCL

Welder, Lead*

Distinguishing Characteristics

The lead level of this class typically performs all class duties and in addition serves as a lead over other Welders. It is distinguished from the Welder class by the lead assignment.

*Note: This is a premium pay class for assignment of lead duties. Employees do not accrue seniority or obtain status in this class. Employee is assigned from a base class.

Typical Duties/Examples of Work

1. Plans, schedules and coordinates work; determines resource needs of work group; directs work of a crew including other journey-level workers.
2. Reviews the work of and provides training and guidance to assigned staff.
3. Performs related duties as assigned.

Required Knowledge, Skills and Abilities

Knowledge of: effective principles and practices of leadership

Ability to: schedule and assign the work of others

Skill in: demonstrating techniques to others; providing training to others; providing lead direction to staff, including assigning and reviewing work

Special Requirements

Valid state Driver's License; some positions may require a Commercial Driver's License and additional endorsements, certifications and licenses

Classification History:

Adopted: 2-03-99:

Class created as a result of DCTU Classification and Compensation Study 1998-99. This class is composed of the following classes:

1511 Lead Welder (No Class Spec Available)

June 2009 - Change Job Class number from 1511 to 30000124, due to system change.

Revised: 7-1-17 Union changed from DCTU to PCL

January 2021 - Abolished classification number 30000124

Working Conditions

Work in this class is typically performed in a shop or field environment. Incumbent is typically required to lift up to 100 pounds; to climb ladders; to work outdoors in all weather conditions; work above and below ground in confined space; to be exposed to

hazardous materials; to operate power tools and equipment; to be called back to work during emergencies; to wear protective gear