

CITY OF ST. LOUIS CLASSIFICATION SPECIFICATION

CLASSIFICATION

TITLE: Blacksmith

CLASS CODE: 3231

GENERAL DESCRIPTION OF DUTIES:

Incumbents heat, bend, forge and shape metal.

DISTINGUISHING CHARACTERISTICS:

This is a journey-level trade classification in the Trades Series – Metal Trades Group job family within the City of St. Louis. Incumbents perform a variety of moderately complex duties. The distinguishing characteristics of this classification within the series include responsibility for performing skilled duties in fabricating objects from metal, and designing projects and welding metal.

Incumbents work under general supervision. While workers require some supervision in most assignments, they are free to develop their own work sequences within established procedures, methods and policies. They are generally subject to periodic supervisory checks.

This is an individual contributor class, meaning the incumbent is responsible for his/her own work including output, quality and timeliness. Incumbents may, however, explain work processes and train others, such as new employees, in the same or similar job title. The individual contributor may serve as a resource or guide by advising others on how to use processes within a system or as a member of a collaborative problem-solving team.

EXAMPLES OF WORK (Illustrative Only):

(The list of duties is intended to be representative of the duties performed in positions within this classification. It does not include all the duties that may be assigned to a position and is not necessarily descriptive of any one position in this class.)

Forges, chisels, hammers, tapers, hardens, bends and shapes metal.

Lays out and welds metal projects.

Performs other semi-skilled and manual labor duties as capable and qualified.

Performs other duties as assigned.

KNOWLEDGE, SKILLS AND ABILITIES:

Data Utilization:

Requires the ability to compile, assemble, copy, record and/or transcribe data and information according to a prescribed scheme or plan.

Human Interaction:

Requires the ability to provide guidance, assistance and/or interpretation to others, such as co-workers and the public, on how to apply policies, procedures and standards to specific situations.

Equipment, Machinery, Tools and Materials Use:

Requires the ability to operate, calibrate and perform complex rapid adjustment on equipment, machinery and tools such as welders, cutting/brazing torch, saws, grinders, forge, anvil, chisels, drills, forklift, wrenches, and/or related materials used in performing essential functions.

Verbal Aptitude:

Requires the ability to utilize a wide variety of reference and descriptive data and information such as blueprints, work order, drawings, welding texts, product catalogs and general operating manuals.

Mathematical Aptitude:

Requires the ability to perform addition, subtraction, multiplication and division; calculate fractions, percentage, surface area and volume; performs mathematical calculations involving basic geometry.

Functional Reasoning:

Requires the ability to apply principles of rational systems. Ability to interpret instructions furnished in written, oral, diagrammatic or schedule form. Ability to exercise independent judgment to adopt or modify methods and standards to meet variations in assigned objective.

Situational Reasoning:

Requires the ability to exercise the judgment, decisiveness and creativity required in situations involving the evaluation of information against measurable or verifiable criteria.

Environmental Factors:

Tasks may risk exposure to adverse environmental conditions, such as dirt, dust, wetness, humidity, rain, fumes, temperature and noise extremes, machinery, vibrations, electric currents, traffic hazards and toxic/poisonous agents.

Physical Requirements:

Requires the ability to lift, push and pull items, such as welders, gas tanks and metal items weighing over one hundred pounds.

Requires the ability to stoop, kneel, crouch, bend, twist, climb and balance to perform blacksmith tasks.

Sensory Requirements:

Requires the ability to recognize and identify similarities or differences between characteristics of colors to determine metal temperature, shapes to distinguish objects clearly, sounds to detect proper equipment operation and textures to determine finish quality of work projects.

EDUCATION AND EXPERIENCE STATEMENT:

High school diploma or equivalent, vocational/technical training in metal fabrication, welding or related field with three to five years blacksmithing experience, or any combination of education and experience that provides equivalent knowledge, skills and abilities.

SPECIAL REQUIREMENTS:

None.

The City of St. Louis is an Equal Opportunity Employer. In compliance with the Americans with Disabilities Act, the City of St. Louis will provide reasonable accommodations to qualified individuals with disabilities and encourages both prospective and current employees to discuss potential accommodations with the City.