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**CITY OF RIVERSIDE**  
**HUMAN RESOURCES DEPARTMENT**  
**CLASSIFICATION SPECIFICATION**

09/82  
City Council

**TITLE: METAL SHOP TECHNICIAN**

**DEFINITION**

Under general supervision, to perform skilled welding, machinist and blacksmithing work in fabricating and repairing metal parts, structures, tools and mobile equipment; and to do related work as required.

**EXAMPLES OF DUTIES:**

- Shape metal objects using lathes, power saws and drill presses; use taps, dies, files and similar tools.
- Lay out, according to rough sketches or blueprint, various metal pieces; cut, weld and otherwise fabricate various attachments or modifications for mobile and stationary equipment or tools; bend, forge and draw various grades of iron and steel.
- Overhaul, rebuild and service pneumatic, hydraulic and electrical tools; manufacture replacements for wearing parts.
- Confer with field supervisors and crew members regarding necessary repairs or modifications to equipment or tools; advise on changes, adaptations or new materials for use in meeting work problems; may assign, supervise and inspect others in more routine and less skilled metal shop tasks.
- Issue, receive and maintain inventory of tools and equipment.
- Order parts, supplies and materials.

**QUALIFICATIONS**

**Knowledge of:**

- Standard practices, methods, tools and materials of metal fabricating through the use of welding, machine tool and forging techniques.
- Occupational hazards and safety precautions of the work.
- Properties and adaptabilities of various metals.
- Operating and maintenance characteristics of a wide variety of metal working tools and equipment.

**Ability to:**

- Fabricate metal objects on the basis of rough sketches, blueprints or broken parts.
- Use and care for a wide variety of metal working tools and equipment.
- Work overtime as required.

**Experience and Education**

Any combination equivalent to experience and education that could likely provide the required knowledge and abilities is qualifying. A typical way to obtain the knowledge and abilities would be three years' experience in skilled metal working trades or two year's experience as an Assistant Metal Shop Technician in the City of Riverside.

**Medical Examination Category:** Group 2

**Necessary Special Requirement:**

Possession of or ability to obtain an appropriate, valid California motor vehicle operators license.

Possession of an appropriate welding certificate issued by the State of California.