



City of Phoenix MACHINIST

JOB CODE 74250

Effective Date: 11/92

DISTINGUISHING FEATURES OF THE CLASS:

The fundamental reason this classification exists is to perform skilled level work in the fabrication, assembly, maintenance, and repair of a variety of metal parts and tools. Machinists must employ a high degree of accuracy and precision in performing work according to instructions and specifications. Assignments are received in the form of oral instructions, penciled layouts, blueprints, sketches, and by reference to worn or broken parts. Work methods and procedures are determined by the employee, but the work is subject to inspection during process and upon completion for quality and conformity with requirements.

ESSENTIAL FUNCTIONS:

- Fabricates, maintains, and repairs metal objects through the operation of lathes, shapers, planers, milling machines, drill presses, hydraulic presses, and similar equipment;
- Measures work carefully by using precision tools such as a micrometer;
- Performs milling and lathe work on equipment such as pumps, valves, pistons, shafts, bowls, impellers, and other Water Services Department or disposal plant equipment;
- Uses, adjusts, cleans, and stores the tools, machinery, and equipment of the machinist's trade;
- Operates metal spray equipment;
- Maintains regular and reliable attendance.
- Demonstrates superior seamless customer service, integrity, and commitment to innovation, efficiency, and fiscally responsible activity.

Required Knowledge, Skills and Abilities:

Knowledge of:

- Job related material.
- The tools, materials, methods, and standard practices of the machinist's trade.
- The hazards and safety precautions of the machinist's trade.

Ability to:



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- Visualize parts or equipment that need to be made from rough sketches and oral instructions.
- Use graphic instructions such as blueprints, sketches, models, or other visual aids.
- Remain in a standing position for extended periods of time.
- Understand and effectively carry out oral and written instructions in the English language.
- Learn job-related material primarily through oral instruction and observation. This learning takes place mainly in an on-the-job training setting.
- Work cooperatively with other City employees.
- Work safely without presenting a direct threat to self or others.
- Make fine, highly controlled muscular movements to adjust the position of a control mechanism (Examples: operating dials or pedals).
- Make skillful, controlled manipulations of small objects (examples: working with very small drills and micrometers).
- Coordinate the movement of more than one limb simultaneously (example: operating the milling table vertically and horizontally).
- Bend or stoop repeatedly or continually over time.
- Lifting objects up to 50 pounds may be required.

Additional Requirements:

- Some positions will require the performance of other essential and marginal functions depending upon work location, assignment, or shift.

ACCEPTABLE EXPERIENCE AND TRAINING:

One year of experience as a skilled machinist and completion of a recognized machinist apprenticeship program, or three years of experience as a skilled machinist. Other combinations of experience and education that meet the minimum requirements may be substituted.