



# CITY OF OMAHA CLASS SPECIFICATION

## CLASSIFICATION TITLE: FABRICATION MECHANIC III

BARGAINING UNIT: [CIV BARGAINING](#)

CODE NUMBER: 6562

PAY RANGE CODE: 06135

REVISION DATE: 5/31/17

### NATURE OF WORK:

This is skilled work at the journeyman level as a lead person in the fabrication and repair of ferrous and non-ferrous metal parts and equipment. Work may include designing items to be fabricated, welded, and modified. An employee in this class performs a wide variety of skilled machinist operations requiring a high degree of accuracy and precision. The majority of work performed will be spent in fabrication and mechanical repair as directed or as need dictates.

**ESSENTIAL FUNCTIONS:** *(Any one position may not perform all the duties listed, nor do the listed examples include all the duties that may be performed in positions allocated to this class.)*

Repairs deteriorating equipment using gas and electrical welding equipment.

Fabricates catwalks, handrails, conveyors, grates, bar screens, decks, various types of pins and latching devices from raw material.

Repairs and maintains welding equipment.

Makes repairs by disassembling or cutting away damaged portions, welding, brazing, or bolting the new material into place, and melting and polishing it to ensure that the repairs are made to required tolerances.

Installs equipment and fabricated items. May be directed to transport them to a remote worksite, move them into position, and weld or bolt them into place.

Determines the type of fabrication or repair needed for each project and the amount and types of materials to use from detailed plans, blueprints, sketches, broken parts, and oral or written instructions.

Performs precision machine work at a journeyman level using machine shop equipment such as lathes, milling machines, drill presses, grinders, key setters, and surface grinders.

Machines replacement and repair parts such as pump shafts, shaft and bearing sleeves, wear rings, pins, and bushings.

Machines and sleeves worn parts such as shafts, impellers, and bearing houses to meet OEM specs.

Supervises subordinate personnel, assigns tasks, and provides technical instruction.

Assists with the development of work schedules, job priorities, and assignments for subordinate crew members.

Recommends parts, materials, and tools to be ordered and maintains a supply of metal stock.

Maintains regular job attendance in accordance with a schedule established for the position by the supervisor.

Performs other related duties as assigned or as the situation dictates within the scope of this classification.

**REQUIRED KNOWLEDGE, SKILLS, AND ABILITIES:**

Knowledge of the standard procedures, methods, tools, and materials of the metal working trades.

Knowledge of the properties of ferrous and non-ferrous metals used in fabrication work.

Knowledge of occupational hazards and safety procedures of the metal working trades.

Knowledge of the principles and techniques of machine shop practice.

Knowledge of the types and uses of tools, equipment, and materials used in machine shop practice.

Knowledge of the types and usage of precision measuring equipment and devices such as micrometers and calipers.

Skill in planning, laying out, and performing fabrication.

Skill in the use and maintenance of tools, equipment, and materials common to the metal working trades.

Skill in using machine shop equipment such as lathes, milling machines, drill presses, grinders, key setters, and surface grinders.

Skill in making accurate measurements using precision measuring equipment and devices such as micrometers and calipers.

Ability to understand and interpret technical manuals, blueprints, and sketches and to work from written or oral instructions.

Ability to maintain records and prepare reports.

Ability to understand written or oral instructions.

Ability to adhere to safety policies, procedures, and guidelines.

Ability to work with hands 67% to 100% of the time; to balance, stoop, crouch, and reach 34% to 66% of the time; to climb 6% to 66% of the time; to stand, walk, lift, carry, push/pull 6% to 33% of the time; to sit, kneel, and crawl 1% to 5% of the time.

Ability to lift objects weighing up to one hundred (100) pounds 6%-33% of the time.

**EDUCATION AND EXPERIENCE:** *(The knowledge, skills, and abilities above may be acquired through, but are not limited to, the following combination of education and/or experience.)*

Four (4) years of fabrication and maintenance experience

AND

Completion of an approved machinist's apprenticeship program

AND

Two (2) years of experience as a journey-level machinist.

### **SPECIAL QUALIFICATIONS**

Must possess and maintain a valid motor vehicle operator's license from the time of appointment.

Must possess a forklift operator's permit by the end of the probationary period.

Fleet Management employees must possess the attached list of tools at the time of appointment.

**WORKING CONDITIONS:** *(The conditions herein are representative of those that must be met by the employee to successfully perform the essential functions of the job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential job functions.)*

Work is performed primarily in and around industrial building sites where there may be high noise levels, vibrating machinery, moving mechanical parts, and electrical currents. Work may be performed in high places, and confined spaces. Work may involve exposure to fumes, odors, dust, mists, gases, and chemicals. Work may also be performed outdoors in all weather conditions including high humidity.

**EQUIPMENT OPERATION:** *(Any one position may not use all of the tools and equipment listed nor do the listed examples comprise all of the tools and equipment that may be used in positions allocated to this classification.)*

Pneumatic and Electric Grinders  
Electric Nibbler

Anchor Gun  
Air Jack Hammer

Cutting Torch  
Lathe  
Band Saw  
Drill Press  
Hand Tools  
Welders (Mig, Arc, Heliarc, and Oxyacetylene )  
Crane Hoists  
Milling Machines  
Plasma Cutters  
Various Types of Presses Key

Gouger  
Buffer  
Pipe Threader  
Sawsall  
Forklift  
Portable  
Service truck  
Surface Grinders  
Belt Sanders  
Seater

Previous Revision Date(s):