

STATE OF WISCONSIN
POSITION STANDARD

MECHANICIAN

I. INTRODUCTION

A. Purpose of This Classification Specification

This classification specification is the basic authority [under Wis. Admin. Code ER 2.04] for making classification decisions relative to present and future Mechanician positions. Positions allocated to this series are primarily responsible for providing specialized machinist or tool and die work. This classification specification will not specifically identify every eventuality or combination of duties and responsibilities of positions that currently exist, or those that result from changing program emphasis or organizational structures in the future. Rather it is designed to serve as a framework for classification decision-making in this occupational area.

B. Inclusions

This series encompasses Mechanician positions found in the Technical Bargaining Unit. These positions devote the majority of their time and are primarily responsible for the design, production, assembly, repair and/or installation of mechanical, laboratory and precision instruments.

C. Exclusions

Excluded from this series are the following types of positions:

1. Maintenance positions, more appropriately identified by other class series such as Maintenance Mechanic, Automotive Mechanic, Facility Repair Worker, etc., whose work includes building mechanical systems maintenance, automobile maintenance, building maintenance or other types of maintenance;
2. Instrument Maker positions whose work primarily includes the designing and building of unique and highly specialized instruments used for research and development;
3. Engineering Specialist positions whose work is primarily responsible for specific aspects of a larger architecture/engineering management program;
4. Equipment Fabricator positions in the Department of Natural Resources (DNR) whose work is primarily responsible for the modification and repair of trucks, tractors, trailers, specialized fire control equipment and other DNR equipment;
5. All other positions which are more appropriately identified by other series.

D. Entrance and Progression Through This Series

Employees typically enter this classification series by competitive examination for entry-level positions. Progression to the Mechanician-Journey level will normally occur through reclassification as the employee attains additional training and experience.

II. DEFINITIONS

MECHANICIAN - ENTRY

This is responsible machinist work. Employees in this class utilize a wide variety of machine and tool processes in the production, assembly, repair or installation of mechanical or laboratory equipment and instruments. Work at this level consists of machining new or broken parts of research equipment, physical plant equipment or other apparatus which are neither complex in nature nor require a great deal of individual creativity. Work assignments are specific with the employee receiving guidance from a higher level mechanician, an instrument maker, or general supervision from a project supervisor.

MECHANICIAN - JOURNEY

This is machinist work of more than ordinary difficulty involving limited design work, development, production, assembly, repair and/or installation of mechanical or laboratory equipment. Employees at this level construct and/or repair research equipment or physical plant equipment which requires working to tolerances specified by blueprints or sketches. Work may include fabricating jigs and fixtures with a minimum of detail given, and repairing broken equipment such as transits, optical materials, gauges, meters and related mechanical or electrical apparatus. Mechanicians perform work of a specialized or general nature in several areas such as orthopedics, electrical and electronic apparatus where a wide variety of machine and tool processes are used. Work is generally performed under the direction of an instrument maker or shop supervisor, or independently under a project supervisor.

III. EXAMPLES OF WORK PERFORMED

Mechanician - Entry

Use a lathe, shaper, planer, milling machine, grinder, drill press, and other machine tools and file, scraper, tap, die wrenches, soldering iron, welding equipment and other hand tools and vernier calipers, micrometers, gauges, indicators and other measuring instruments to fabricate parts for appliances, machinery and laboratory equipment from various materials as metals, glass, plastic, wood, etc.
Assist higher level machinists and welders when needed.

Repairs, maintains, alters and adjusts all types of mechanical and laboratory equipment such as motors, pumps, compressors, elevators, gears, valves, gauges, ammeters, voltmeters, scales, microscopes, cameras, electronic devices, etc.

Keeps records and makes reports.

Mechanician - Journey

With greater independence and latitude in the initiation of action, may perform any of the duties and responsibilities assigned to the Entry level Mechanician and in addition may:

Produce item from written or oral instructions, sketches, blueprints, models or broken parts and photographs.

Assist in the design and development of machines and laboratory equipment.

Guide and train other employes on an assigned task.

IV. QUALIFICATIONS

The qualifications required for these positions will be determined at the time of recruitment. Such determinations will be made based on an analysis of the goals and worker activities performed and by an identification of the education, training, work or other life experience which would provide reasonable assurance that the knowledge and skills required upon appointment have been acquired.

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