

**Effective Date: July 1, 2015**

## **MECHANICIAN TITLE SERIES DEFINITION**

### **I. DEFINITION**

#### **MECHANICIAN - ENTRY**

This is responsible machinist work. Employees in this title definition 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.

#### Examples of Work Performed:

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**

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.

#### Examples of Work Performed

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 employees on an assigned task.

**II. RELATED TITLES**

Maintenance Mechanic  
Automotive Mechanic  
Facility Repair Worker  
Instrument Maker.