

# San Diego Community College District

## CLASSIFICATION DESCRIPTION

**Title:** Machinist  
**Unit:** Maintenance & Operations

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**Job Code:** E1328  
**Original Date:** 08/1993  
**Last Revision:** 05/2016  
**Staff Type:** Classified  
**FLSA status:** Non-exempt  
**Salary Range:** 31

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### **DEFINITION**

Under the direction of the Equipment Maintenance Specialist and the District Facilities Supervisor/Equipment Repair or assigned supervisor, perform semi-skilled and skilled repair work on a variety of mechanical and electrical equipment and machinery.

### **DISTINGUISHING CHARACTERISTICS**

The Equipment Repair Shop Machinist performs semi-skilled and skilled work of a routine nature in the maintenance and repair of machines and equipment in district classrooms and shops. The Equipment Repair Shop Machinist is an experienced machinist and works under the direction of an Equipment Maintenance Specialist who performs the more difficult and complex work assignments.

### **EXAMPLE OF DUTIES**

1. Perform extensive general machine shop work utilizing equipment such as lathes, drill presses, shapers, milling machines, and CNC equipment.
2. Install, maintain, and repair a variety of machinery and shop equipment, tractors and forklifts, and gas, diesel, electric, and portable steam cleaners, including drill presses, lathes, jointers, power saws, forges, grinders, hydraulic devices, pumps, power mowers, and all machine shop equipment, electrical motor controls, hydraulic controls, and pneumatic controls.
3. Service and repair dishwashers, air compressors, clocks, floor scrubbers, electric motors, generators and accessory equipment, and all machine shop equipment.
4. Assist in the design and manufacture of specialized equipment as needed; install, fit, or weld in place.
5. Inspect equipment, diagnose defects, and replace parts; requisition parts and supplies; paint equipment; test and operate motors and pump alignments.
6. Assist in estimating time and material costs and maintain service records. Order and pick up parts and materials. Work with all other trades.
7. Perform related duties as assigned.

### **DESIRABLE QUALIFICATIONS**

#### Knowledge:

- Health and safety regulations.
- Methods, materials, and equipment used in maintenance and repair of equipment.
- Oral and written communications skills.
- Principles of construction and operation of a variety of manual and electrical equipment and motors.
- Technical aspects of field of specialty.
- Use of lathes, drill presses, shapers, milling machines, CNC equipment, jointers, power saws, forges, grinders, hydraulic devices, pumps, power mowers, and all machine shop equipment.

Skills and Abilities:

- Communicate effectively both orally and in writing.
- Diagnose, repair, and adjust equipment defects.
- Establish and maintain effective working relationships with others.
- Estimate labor and material costs.
- Make simple arithmetic calculations.
- Work from plans, blueprints, drawings, and specifications.

License:

- Valid California driver's license.

Training and Experience:

- Any combination of training and experience equivalent to: graduation from high school and three years experience in the maintenance, repair, and adjustment of mechanical and electrical equipment and motors typically reflective of a master level machinist.

**WORKING CONDITIONS**

Physical Requirements:

- Category I

Environment:

- May include less desirable extremes. Working with machine shop equipment.