

San Diego Community College District

CLASSIFICATION DESCRIPTION

Title: Equipment Repair Technician - II

Unit: Maintenance & Operations

Page: 1 of 2
Job Code: E1302
Original Date: 08/1983
Last Revision: 08/2016
Staff Type: Classified
FLSA status: Non-exempt
Salary Range: 31

DEFINITION

Under the direction of the District Facilities Supervisor-Equipment Repair, or assigned supervisor, and the Equipment Maintenance Specialist, clean, service, and perform skilled repair work on a variety of mechanical and electrical equipment and machinery. Design, fabricate, and weld a variety of materials.

DISTINGUISH CHARACTERISTICS

This is the master level classification of the equipment repair series. Incumbents provide the highest level of expertise in the craft for the District, determining and assuring that standard trade practice is followed. In addition to regular duties, the Equipment Repair Technician II has lead responsibilities.

EXAMPLE OF DUTIES

1. Perform design and fabrication of equipment parts.
2. Perform the following welding operations: gas metal – arc (GMAW), gas tungsten arc (GTAW), arc plasma, shielded metal arc, brazing, and soldering. Weld the following materials: aluminum, stainless steel, steel, and cast iron.
3. Customize, design, fabricate, and install structures, backflow cages, parts, gates, truck racks, equipment parts, safety equipment, and tow hitches. Perform sheet metal work on aluminum, stainless, and steel. Operate sheers, brakes, hole punches, notcher/cutter, and machine equipment, including lathes, mill, drill presses, and calibration equipment. Work with all trades to repair and fabricate replacement parts.
4. Inspect equipment; diagnose defects; replace worn parts. Install, maintain, service, and repair a variety of machinery and shop equipment, including drill presses, lathes, joiners, power saws, grinders, hydraulic equipment, pumps, power mowers, generators, air compressors, sweepers, hedgers, blowers, edgers, electric carts, dishwashers, clocks, floor scrubbers, electric motors, kilns, and forklifts. Repair office equipment, chairs, desks, paper shredders, AV equipment, and LCD projectors.
5. Clean, prep, and sandblast metal and fabricated parts. Paint and spray paint metals. Ship and receive items and materials.
6. Design, fabricate, and apply/install signs. Use a computer to produce text signage.
7. Estimate time and material costs and maintain service records; order parts. Inspect work of outside contractors.
8. Provide work direction and guidance to assistants.
9. Operate district service vehicles, including boom truck, forklifts, carts, and trucks with trailers to transport property. Pick up and deliver parts and equipment to all sites. Transport genie lifts, forklifts, heavy mowers, tools, and office trailers.
10. Perform related duties as assigned.

DESIRABLE QUALIFICATIONS**Knowledge:**

Custom design and fabrication of equipment parts, signs, and structures.
Methods, materials, and equipment used in maintenance and repair of equipment and machinery.
Operation and use of computers and basic software applications necessary for area of specialty.
Oral and written communications skills.
Principles of construction and operation of a variety of manual and electric equipment and motors.
Reading and writing communications skills.
Variety of vehicles, machinery, equipment, professional hand and power tools, and equipment.
Welding materials, equipment, and machines.

Skills and Abilities:

Communicate effectively both orally and in writing.
Customize, design, and fabricate equipment parts.
Establish and maintain effective relationships with others.
Estimate labor and material costs.
Fabricate equipment, machinery parts, and signs.
Lift up to 75 lbs.
Maintain records and prepare reports.
Make simple arithmetic calculations.
Operate a district vehicle efficiently and safely.
Operate a variety of vehicles, machinery, equipment, professional hand and power tools, and equipment efficiently and safely.
Weld various types of materials.
Work from plans, blueprints, drawings, and specifications.

License:

Valid California drivers' license.

Training and Experience:

Any combination of training and experience equivalent to: seven years in the trade, including three years of journey-level experience.

WORKING CONDITIONS**Physical Requirement:**

Category I. Lift up to including 75 pounds.

Environment:

May include less desirable extremes; working in tanks and voids; working at extreme heights; working near, in, and/or under water.