

MAINTENANCE MECHANIC III

Department: Varies

Classification: Non-Competitive

Specification Number: 4070

Approved: 7/25/22

Revised: 1/24/23 by JG

MINIMUM QUALIFICATIONS

Either:

- a) Completion of two (2) years of vocational education courses in a vocational school program or in an apprentice or training program in one of the craft areas, and two (2) years of experience in the craft or specialty to which the employee will be assigned; or,
- b) Four (4) years of experience in the craft or specialty to which the employee will be assigned; or,
- c) One (1) year of experience as a Maintenance Mechanic II.

NECESSARY SPECIAL REQUIREMENT

Depending on the nature of the assignment, at the time of appointment and during employment in this title, candidates may be required to possess a valid New York State driver's license appropriate for the vehicle to be operated.

DISTINGUISHING FEATURES OF THE CLASS

An employee in this title is a skilled mechanic in one of the major craft or specialty areas such as carpentry, plumbing, painting, electricity, mechanical and welding. Other specialty trades areas include heating and refrigeration, audio systems, roofing, sheet metal, fuel storage tank maintenance, temperature control, control wiring, complex high temperature water systems, electronics, masonry, elevator repair, swimming pools, sewage treatment, glasswork, and repair and maintenance of equipment and machinery. The employee may be performing sub-craftsman level duties while supervising the work of Maintenance Mechanics II. The incumbent is expected to exercise considerable independent judgment in determining materials and methods to be used in performing assignments. Work assignments are received in the form of oral or written instructions. The employee may supervise Laborers or subordinate Maintenance Mechanics who assist in performing assigned work. Supervision is received from assigned supervisory personnel, who inspect work in progress and upon completion for compliance with specifications and standards. Does related work as required.

TYPICAL WORK ACTIVITIES

Performs general carpentry work in the construction, alteration and maintenance of buildings, floors, roofs, stairways, partitions, doors, windows and furniture;

Prepares surfaces to be painted, mixes and matches paints and stains, applies paint to surfaces using brushes, rollers and spray guns.

Installs, repairs and maintains communication and electronic equipment;

Installs, maintains or repairs valves, faucets, traps, sinks, washbowls, sewers, hot water heaters, steam boilers and other plumbing fixtures;

Cuts and threads pipe, solders, maintains piping systems, checks for leaks, flushes out boilers and performs other maintenance of plumbing systems;

Services, overhauls and maintains all types of refrigeration, fuel burning equipment and other heavy machinery;

Regulates steam pressures and oil temperatures, inspects and adjusts temperature controls and other control devices;

Repairs condensers, compressors, motors and controls, repairs pipes and ducts;

Installs, repairs and maintains electrical appliances, motors, time clocks, relays, switches, control boxes, air conditioners, oil burners and fuse boxes;

Installs, repairs, and maintains low and high voltage wiring systems for hydraulic and pneumatic controls;

Lays out and installs new wiring systems;

Preheats and cleans metals, lays out, cuts and fits materials for flat, vertical and horizontal welding;

Selects proper welding heat and proper type of materials for correct penetration and strength;

Does cutting, welding and hard surfacing on such areas as dredge parts, shell propellers, truck bodies and snow plows;

MAINTENANCE MECHANIC III

Operates and maintains steam/hot water heat exchangers, steam absorption cold generators, water circulation systems, temperature control valves, cooling and heating coils, ventilation equipment and associated systems;

Performs skilled work in repairing electric motors, hydraulic pumps, chain drives, belt drives, electrical cables, conveyor parts and other mechanical assemblies;

Operates and maintains high-pressure boilers, feed water and condensate systems and water softeners.

KNOWLEDGE, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS

Thorough knowledge of the practices, materials, tools and methods of the assigned craft or specialty area; thorough knowledge of the pertinent rules, regulations and codes which are applicable to the assigned craft or specialty area; thorough knowledge of the hazards and safety precautions of the work; skill in the use and care of tools, materials and equipment of the trade; ability to understand and work from general instructions, building specifications, blueprints or sketches; ability to make time, labor and material estimates; ability to understand and follow oral and written instructions; ability to supervise the work of others in a manner conducive to full performance and high morale; physical condition commensurate with the demands of the position.