

ELECTRONIC EQUIPMENT REPAIRER

DISTINGUISHING FEATURES OF THE CLASS: This is maintenance and repair work of a complex technical nature which involves working on various pneumatic, electrical, electronic and hydraulic instruments which may be in a wastewater treatment plant. The work is performed under the general supervision of a higher-level administrator. Does related work as required.

TYPICAL WORK ACTIVITIES:

Installs, repairs, maintains and adjusts all types of pneumatic electrical and electronic instruments;
Troubleshoots and diagnoses malfunctioning instruments and tests them to locate defects;
Performs routine and preventive maintenance on electronic and electrical instruments and devices and keeps records of same;
Assists in designing, planning and building special instrumentation as required;
Performs electrical safety checks throughout facility on instruments, tools, furniture, fixtures and wiring to ensure safe, electrical conditions.

FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS:

Thorough knowledge of instruments, electrical and electronic devices, and test equipment; good knowledge of the physical sciences and mathematics, electricity and electronics theory and practice; ability to operate hand tools to affect instrument repairs; manual dexterity; ability to understand and interpret technical materials, as they pertain to electronics.

MINIMUM QUALIFICATIONS: An Associate's degree or its equivalent in Electrical Engineering, Engineering Science, Bio-Medical Engineering, Electronics or Electrical Technology or comparable curriculum and two (2) years of full-time paid work experience in the repair of electrical, electronic, pneumatic, hydraulic or related instruments and/or devices.

NOTES:

1. Additional years of the required experience may be substituted for the required education on a year-for-year basis.
2. Approved specialized training, including appropriate BOCES training, in the repair of electrical, electronic, pneumatic, hydraulic or related instruments and/or devices may be substituted for the required education on a year-for-year basis.
3. Completion of an approved formal apprenticeship course of two (2) or more years as an Electronic Equipment Mechanic shall be deemed fully qualifying.