

ELECTRONIC EQUIPMENT TECHNICIAN 1

Job Code	Pay Grade
17244	CL14

Nature of Work

This is full performance level work performing as an electronic equipment technician. Work specializes in the installation, repair, and maintenance of electronic instrumentation and control systems in a Utilities Division for: county properties, facilities, equipment and lines or devices in public utilities systems; electronic equipment used in production treatment and transmission of potable water, wastewater and distribution of reclaimed water. Position operates light to medium equipment within the utilities plant operations divisions, often requiring manipulative ability as well as utilizing job-acquired skills in specialized fields. This position differs from other electronics positions in that incumbents will be expected to be or become proficient in all aspects of the position. Incumbents may be required to perform in different but specific assigned areas from project to project, as business needs and skills match. Additionally, the wide variety of equipment utilized is more complex and specialized, requiring adaptability and ability to work independently. An incumbent may continue to perform Electronic Equipment Technician 1 functions for an indefinite time or non-competitively advance Electronic Equipment Technician 2 at the discretion of the appointing authority. The incumbent is supervised by a manager, plant operations supervisor or designee.

Minimum Qualification Requirements

- Completion of a 2 year certification program in a directly related vocational or technical training program, or 2 years of highly automated computer based electronics instrumentation installation, maintenance, and repair experience; or
- An equivalent combination of education, training, and/or experience.

Appointing Authority May Also Require

- Florida Driver's License or Florida Commercial Driver's License and endorsement, if any.
- Assignment to work a variety of work schedules including compulsory work periods in special, emergency, and/or disaster situations.
- Candidate to demonstrate more advanced proficiency, competency, and satisfactory completion of regularly assigned work in an independent manner. Appointing Authority retains discretion to employ an incumbent at this level or advance the incumbent non-competitively or competitively, after a candidate meets the minimum qualifications to an in-line career ladder position within the same organization or department.
- Employee to acquire and maintain certification in designated areas according to area of assignment.
- Other highly desirable knowledge, skills, abilities, and credentials relevant to a position.

Illustrative Tasks (These are examples and are not all inclusive.)

- Performs installation, maintenance, modification, calibration and repair of electronic and electrical instrumentation, equipment and control systems.
- Exercises lead responsibility over others on project basis or as assigned.
- Detects causes of electronic and electrical failures, interprets and ensures compliance with established codes, calculates data necessary for wiring instrument systems and requisitions supplies and materials needed to complete tasks.
- Inspects instrumentation and equipment to determine operating conditions and needed repairs and/or modifications.
- Performs bench work repairs and overhauls and rebuilds complex electronic or electrical equipment.
- Performs emergency and routine field servicing of complex equipment and performs tests on parts, modules or assemblies.
- Prepares purchase orders to obtain parts for repairing equipment and arranges for repairs beyond the scope of county facilities.
- Assists more senior levels of Electronic Equipment Technicians in electronic projects.
- Assists with operation and maintenance of lift stations.
- Performs basic recordkeeping.

ELECTRONIC EQUIPMENT TECHNICIAN 1 (continued)

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Illustrative Tasks (continued)

- Operates light to medium, occasionally heavy, automotive equipment within the Utilities Construction and Maintenance Division.
- May be responsible for electronic traffic control and equipment for the design, placement and maintenance of traffic safety devices utilized under extremely heavy traffic and during inclement weather.
- Performs preventive maintenance to water and wastewater treatment equipment.
- Performs related work as assigned or required.

Knowledge, Skills, and Abilities

- Knowledge of the principles, procedures and practices of electronic and electrical repair work.
- Knowledge of preferred methods and techniques relevant to electronic and electrical repair and maintenance work.
- Knowledge of installation, modification, fabrication, repair and maintenance of electrical and/or heavy mechanical equipment used in water plant and/or wastewater plant operations.
- Knowledge of potable water production and wastewater treatment processes.
- Knowledge of types of potable water and wastewater handling equipment (motors, valves, pumps, electronic sensors).
- Knowledge for controlling the production and distribution of potable water or wastewater treatment processes.
- Ability to independently maintain, troubleshoot, and repair complex electronic equipment and control systems used in utilities operations such as pumps, SCADA or similar radio/telemetry devices, control panels, generators, transfer equipment, switch gear systems and similar apparatus.
- Ability to perform a combination of skilled trades' tasks which may require knowledge of electrical, plumbing, mechanical, welding and other trades required to maintain, repair, and improve potable water and wastewater operations.
- Ability to adjust and regulate a variety of automatic or manually controlled auxiliary equipment or systems to ensure safe operations.
- Ability to anticipate and adjust systems due to changing factors, e.g., water quality, weather, and other factors.
- Ability to repair and replace electronics controls, filters, pumps, valves, generators, mixers, filling machines and equipment used in monitoring and handling potable water and wastewater processes and operations.
- Ability to understand and follow oral and/or written instructions.
- Ability to operate a personal computer and other automated systems to enter and retrieve data.
- Ability to establish and maintain effective working relationships with managers, supervisors, employees and others.

For official use only

Revised	EEOC Code	Overtime Code
9/13	Technicians	Classified