

ELECTRONICS SPECIALIST, SENIOR

Job Code	Pay Grade
13784	CL16

Nature of Work

This is advanced technical work with supervisory responsibility in the installation, modification, maintenance and repair of electronic and electrical instrumentation, equipment and control systems. The work is primarily characterized by responsibility for complex computer based electronically controlled instrumentation systems, however, other advanced responsibility for electrical power systems and mechanical assignments may be included with this work. Employees in this class work independently in the design and development of complex electrical and electronic instrumentation, electric power support systems, specialized equipment and master control systems. Work performed is typically supervisory, or covers extremely large projects impacting several departments and at a higher technical level requiring more independent judgements. The employee may also serve as technical advisor to Electronics Specialists, engineering staff, contractors, vendors and others.

Minimum Qualifications Requirements

- 3 years of highly automated computer based electronics instrumentation installation, maintenance, and repair experience that includes 1 year in a supervisory capacity; or
- Associate's degree or 2 year technical degree in directly related coursework plus 2 years of highly automated computer based electronics instrumentation installation, maintenance, and repair that includes 1 year in a supervisor capacity; 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.
- Special skilled trade licenses, courses, and training to support job specific work requirements.
- 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.
- Performs installation, maintenance, modification, calibration and repair of complex electrical power systems, related instrumentation, equipment and control systems; exercises lead responsibility over others on supervision or project direction.
- 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.
- Trains new Electronics Specialists and other skilled personnel in all phases of a variety of electronic and electrical instrumentation, equipment and control systems; provides technical advice and assistance and acts in a supervisory capacity.
- Inspects instrumentation and equipment to determine operating conditions and needed repairs and modifications.
- Performs bench work repairs and overhauls and rebuilds complex electronic or electrical equipment.

ELECTRONICS SPECIALIST, SENIOR (continued)

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Illustrative Tasks (continued)

- Performs emergency and routine field servicing of complex electrical power systems, back up power generating systems, equipment and performs tests on parts, modules or assemblies.
- Prepares sketches, preliminary or work plans for establishment or modification of electrical systems.
- Prepares purchase orders to complete work, obtain parts for repairing equipment.
- Arranges for repairs and serves as technical review specialist for work completed by outside vendors performing work on county operations.
- May perform both low voltage and high voltage tasks depending on area of assignment.
- Performs related work as assigned or required.

Knowledge, Skills, and Abilities

- Knowledge of standard tools, methods, theories, materials and practices of the electronic and electrical trades and local and state electrical codes.
- Knowledge of electronic theory and equipment and electronic maintenance and repair practices and procedures.
- Knowledge of operating characteristics, capabilities and limitations of computer equipment and routine computer operations and terminology.
- Skill in the use of tools and equipment used in the electronic and electrical trades.
- Skill in troubleshooting automated systems and isolating breakdown causes.
- Ability to relate technical information in a manner understandable to subordinates, superiors and members of the public.
- Ability to conduct tests, analyze results, take corrective steps and apply knowledge of electronic theory and troubleshooting procedures.
- Ability to interpret and work from technical sketches and blueprints and locate, define and repair defects in equipment.
- Ability to use a computer to complete assignments, track work, prepare communications, reports, etc.

For official use only

Revised	EEOC Code	Overtime Code
3/07	Technicians	Classified