

ELECTRICIAN

Job Code	Pay Grade
13720	CL13

Nature of Work

This is journeyman level electrical work in the installation, alteration, maintenance and repair of electrical systems, fixtures and equipment. Employees in this class work in accordance with standard trade practices; assignments are made in the form of written and oral instructions and may be accompanied by sketches and blueprints and work arises out of inspections and troubleshooting. Work is ordinarily performed independently, but supervision may be exercised over one or more helpers on major projects.

Minimum Qualification Requirements

- 3 years electrical trades experience that includes 6 months as a team leader or supervisor; 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.
- Possession and maintenance of a valid Pinellas County electrician journeyman level Certificate of Competency.
- Career Ladder Advancement-After completion of required years experience in this classification plus documented skill competency in designated trade(s), the department may consider an employee for non-competitive promotion to Lead Electrician.
- Other highly desirable knowledge, skills, abilities, and credentials relevant to a position.

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

- Installs, maintains, modifies and repairs electrical fixtures and equipment including power appliances, machinery, overhead circuits, fiber optics, underground conduit, motors, relays, switches and control boxes.
- Maintains lighting equipment in county offices and buildings and detects and corrects causes of electrical failures.
- Detects and corrects breakdowns in electrical equipment and performs field repairs and adjustments to electrical motors of up to 200 horsepower capacity, often in limited space and under adverse environmental conditions.
- Renovates or installs new service wiring for electronic communications and maintains inventory of critical parts and supplies.
- Operates special motorized equipment, installs lightning arrestor protection, installs wall outlets and connects motors, appliances, heating and cooling equipment and transformers.
- Interprets and ensures compliance with electrical codes and calculates line leads to determine wire and equipment size and capacity.
- Uses hand, bench and small power tools during electrical repairs.
- Performs related work as assigned or required.

ELECTRICIAN (continued)

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Knowledge, Skills, and Abilities

- Knowledge of standard practices, materials, tools and equipment of the electrical trade and local and national electrical.
- Knowledge of occupational hazards and appropriate safety precautions, to include working with low and high voltage power systems.
- Knowledge of work hazards and safety associated with crafts, trades and facilities work.
- Knowledge of tools, power tools and materials used in skilled trade work.
- Knowledge of the methods, materials, tools and practices for building, electrical and mechanical work.
- Skill in the use and care of standard tools, equipment and testing devices of the electrical trade.
- Ability to work from oral or written instructions, broken parts or basic diagrams and sketches.
- Ability to troubleshoot defects in machinery and equipment operation, make proper repairs and adjustments, and complete assignments.
- Ability to lead helpers and others to complete assignments, keep basic records and do heavy manual work.
- Ability to read and interpret blueprints and schematics, equipment diagrams, draw sketches of proposed projects plan assignments, order materials and understand and follow oral and written instructions.
- Ability to plan and execute facility maintenance or construction work plans.
- Ability to operate a personal computer and other automated systems to monitor work, enter and retrieve information.
- Ability to interpret drawings and blueprints, prepare work specifications and estimate material needs.
- Ability to install, alter, repair, and maintain a variety of electrical systems and equipment.
- Ability to endure long periods of standing, walking or working in inclement weather and possession of sufficient physical strength and agility to lift and move heavy objects.
- Ability to detect problems and repair machinery and equipment.
- Ability to communicate orally and in written form to impart information, write reports, etc.
- Ability and strength to climb ladders and perform heavy manual labor for extended periods.

For official use only

Revised	EEOC Code	Overtime Code
5/08	Skilled Craftsman	Classified