

Jurisdiction: Oneida County  
Jurisdictional Class: Non-Competitive  
Revised: 4/22/97

## **ELECTRICIAN**

**DISTINGUISHING FEATURES OF THE CLASS:** This is a journey level position in the electrical field involving the installation and maintenance of electrical and instrumentation wiring, equipment, and devices. An employee in this class performs skilled duties associated with trouble-shooting, disassembly, cleaning, adjusting, repairing, testing, calibrating, and reassemble of electrical and electronic equipment. General instructions are received concerning tasks to be performed, permitting considerable leeway for the exercise of independent judgement in planning and carrying out the details of the work. Direct supervision may be exercised over the work of helpers. Does related work as required.

**TYPICAL WORK ACTIVITIES:** (Illustrative Only)

Tests, maintains, and repairs electrical circuits, equipment, and devices for power, lighting, and electronic instrumentation;  
Installs, maintains, and repairs machinery equipment, motors, generators, and transformers;  
Tests and checks old wiring, and repairs circuit breakers and regulators by replacing worn parts and burned out contacts;  
Tests and maintains panel switchgear, meters, alarm systems, communication systems, automatic timers, signaling units and records for power and instrumentation devices.  
Installs, maintains, and repairs lighting panels, circuits and fixtures, including safety and emergency units;  
Adjusts and repairs instrument recording mechanisms;  
Prepares and maintains records related to the work;  
Plans for preventive maintenance for various power, control, and instrumentation equipment;  
May maintain and repair storage battery systems and battery charges.

**FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES AND PERSONAL**

**CHARACTERISTICS:** Thorough knowledge of common practices, tools, terminology and accident precautions of the trade, and of the design, construction, installation, maintenance and repair of electrical instruments, devices and equipment; working knowledge of local buildings and electrical codes; working knowledge of mechanical drawing; ability to work with low potential, high potential and extra high potential circuits; ability to lay out work; ability to work from plans and specifications, and to follow rough sketches and oral instructions; ability to read detailed wiring diagrams.

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**MINIMUM QUALIFICATIONS:** Either:

- (A) Graduation from a regionally accredited or New York State registered technical school or community college with an Associate's Degree in electrical technology or a closely related field **AND** one (1) year of experience as a journey-level electrician; **OR**
- (B) Graduation from high school or possession of a high school equivalency diploma **AND** three (3) years of experience as a journey-level electrician; **OR**
- (C) Five (5) years of experience as a journey-level electrician; **OR**
- (D) An equivalent combination of training and experience, as defined by the limits of (A) through (C) above.

**NOTE:** Verifiable part-time experience will be pro-rated toward meeting full-time experience requirements.