
Auburn University Job Description

Job Title:	Electrician II	Job Family:	No Family
Job Code:	ND08	Grade 33:	\$39,300 - \$65,500
FLSA status:	Non-Exempt		

Job Summary

Under general supervision, provides journeyman level skills and expertise regarding a wide array of building electrical systems and their associated components to accomplish complex maintenance, repair, and installation tasks.

Essential Functions

1. Performs routine and moderately complex maintenance and repairs on all building internal electrical systems and building controls, to include 120V internal building power distribution systems, fluorescent and specialty lighting systems, service panels, feeders, branch circuits and specialized electrical systems such as lighting controls, generators, emergency and standby power systems, fire alarms, motor controls, generators, pumps, fans, air conditioning equipment, heating equipment, and laboratory equipment. Work involves voltages up to 480 volts and three phase power. Trouble shoots, assesses, and diagnoses systems problems and executes repairs as needed.
2. Performs routine and moderately complex maintenance and repairs on all external building electrical power supply systems and controls, to include building electrical service feeders and associated electrical service panels, breakers, disconnects, and switches. Troubleshoots, assesses, and diagnoses system problems and executes repairs as needed.
3. Performs routine and moderately complex installations of electrical equipment and power systems to include electrical service panels, interior electrical distribution systems, lighting systems, motors, generators, pumps, fans, air conditioning equipment, heating equipment, and laboratory equipment. Work involves voltages up to 480 volts and three phase power.
4. May be responsible for meeting and maintaining training and certification requirements as outlined by the Auburn University Facilities Management Policy: "Training, Education, and Certification Requirements for Mechanical and Electrical Trades Personnel".
5. May be required to serve in an on-call status and remain work-ready when scheduled for an on-call period or rotation. Work-ready status requires an employee to return to the worksite within forty-five minutes while being physically and mentally unimpaired and fit for duty, able to safely perform all essential job functions with no risk to self, coworkers, students, public, or property.

Supervisory Responsibility

May be responsible for training, assisting or assigning tasks to others. May provide input to performance reviews of other employees.

The above essential functions are representative of major duties of positions in this job classification. Specific duties and responsibilities may vary based upon departmental needs. Other duties may be assigned similar to the above consistent with the knowledge, skills and abilities required for the job. Not all of the duties may be assigned to a position.

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Minimum Required Education and Experience

	<u>Minimum</u>	<u>Focus of Education/Experience</u>
Education	Some college; vocational or Associate's Degree	Electrical Technology, Electrical Construction, Digital Electronics or similar fields related to electrical systems.
Experience (yrs.)	5	Experience in installation, maintenance, repair, and operation of a wide array of common electrical system components.

Substitutions allowed for Education:

When a candidate has the required experience, but lacks the required education, they may normally apply additional relevant experience toward the education requirement, at a rate of two (2) years relevant experience per year of required education.

Substitutions allowed for Experience:

Indicated experience is required; no substitutions allowed.

Minimum Required Knowledge

Advanced knowledge of the National Electric Code.

Knowledge regarding the installation, maintenance, repair, and proper operation of a wide array of electrical systems.

Knowledge regarding a wide array of electrical systems components such as building service electrical feeder systems, building service panels, interior building electrical distribution systems, motors, motor control centers, generators, automatic switchgear, transformers, temporary power systems, fire alarms, low voltage digital control systems, multiphase power, variable frequency drives, and heat exchangers.

Knowledge regarding troubleshooting, assessment, and diagnostic techniques for routine and non-building electric system problems.

Knowledge regarding project management and the planning, directing, scheduling, and managing of electrical system repair projects.

Knowledge of motor or equipment control systems and the ability to install, repair, and replace control components.

Knowledge in the use of the electrical system monitoring, measurement, and diagnostics equipment and the ability to accurately use such equipment.

Knowledge regarding the use of building automation systems (such as Johnson Controls Metasys system) to find and troubleshoot issues.

Knowledge of fire alarm systems and how they interact with both building electrical systems and HVAC system operations and controls.

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Skills:

Supervisory skills, along with the ability to communicate tasks and direction to subordinates in a clear and concise manner.

The ability to install, maintain, repair a wide array of common electrical systems.

The ability to install, maintain, repair, and replace a wide array of electrical system components such as building service electrical feeder systems, building service panels, interior building electrical distribution systems, motor, motor control centers, generators, automatic switchgear, transformers, temporary power systems, fire alarms, low voltage digital control systems, multiphase power, variable frequency drives, and heat exchanges.

The ability to troubleshoot, assess, and diagnose building electric systems problems.

The ability to lead an emergency repair response to small to medium building electrical problems.

The ability to assist in planning, directing, scheduling major electrical repair or installation projects to ensure successful execution.

The ability to install, repair, replace electrical equipment control components.

The ability to use electrical system monitoring, measurement, and diagnostics equipment and the ability to accurately use such equipment.

The ability to install, repair, and maintain fire alarm systems and ensure they interact properly with both building electrical systems and HVAC system operations and controls.

Certification or Licensure Requirements

Valid Driver's License.

State of Alabama Electrician Journeyman's License. If Journeyman's License is registered in another state, Alabama license must be obtained in the first 6 months of employment.

Physical Requirements/ADA

Frequent heavy or intense physical requirements, combined with exposure to a number of disagreeable elements, such as heat, cold, noise, dust, dirt, chemicals. Injury may require professional treatment or hospitalization. Constant precautions required.

Routine deadlines; usually sufficient lead time; variance in work volume seasonal and predictable; priorities can be anticipated; some interruptions are present; involves occasional exposure to demands and pressures from persons other than immediate supervisor.

Job frequently requires standing, walking, reaching, climbing or balancing, stooping/kneeling/crouching/crawling, hearing, handling objects with hands, and lifting up to 50 pounds.

Job occasionally requires sitting, talking, and lifting more than 100 pounds.

Vision requirements: Ability to see information in print and/or electronically.

Date: 7/2/2018
