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## Auburn University Job Description

Job Title:	<b>Electrician III</b>	Job Family:	No Family
Job Code:	<b>ND09</b>	Grade 34:	\$45,100 - \$75,100
FLSA status:	Non-exempt		

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### Job Summary

Under limited supervision, provides advanced skills and expertise regarding a wide array of building electrical systems and their associated components to accomplish maintenance, repair, and installation tasks above the level of a journeyman electrician.

### Essential Functions

1. Repairs, maintains, and installs complex electrical systems within campus facilities to include: electrical power panels, interior electrical power distribution systems, lighting systems, large motors, pumps, generators. Repairs, maintains, and installs electrical systems involving higher voltage, multi-phased power, sophisticated controls, large building-wide systems, and larger, more interconnected sets of complex equipment. Troubleshoots and performs diagnostic testing on complex problems and systems.
2. Repairs, maintains, and installs digital and electric control systems to include fire alarm systems, motor control centers, and the programming of proper control sequences for electrical components to ensure quality and efficient building electrical, emergency power, heating, ventilating, and air conditioning (HVAC) system performance.
3. Plans, schedules, and leads major electrical system projects, such as the replacement/installation of new building electrical power panels, interior electrical power distribution systems, lighting systems, large motors, pumps, generators, and to lead emergency repair efforts.
4. Leads crews of Electrician I and Electrician II and other assigned personnel to successfully complete assigned projects.
5. 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".
6. 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>
<b>Education</b>	Some college; vocational or Associate's Degree	Electrical Technology, Electrical Construction, Digital Electronics or Similar fields related to electrical systems.
<b>Experience (yrs.)</b>	8	Experience in installation, maintenance, repair, and operation of a wide array of common electrical system components. Must include at least 3 years at the preceding level.

### 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.

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

Advanced 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.

Advanced 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.

Advanced knowledge of motor or equipment control systems and the ability to install, repair, and replace control components as well as to adjust and modify the sequence of control operations to ensure proper system performance.

Advanced knowledge of digital controls and the ability to install, repair, replace digital control components as well as to adjust and modify the sequence of control operations to ensure proper system performance.

Advanced 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.

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

### **Skills:**

Leadership and 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 as well as to adjust and modify the sequence of control operations to ensure proper system performance.

The ability to install, repair, replace control components as well as to adjust and modify the sequence of control operations to ensure proper system performance.

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.

Certification from the National Institute for Certification in Engineering Technologies (NICET) Fire Alarm Installation I, or approved equivalent per Auburn University Facilities Management Policy: "Training, Education & Certification Requirements for Mechanical and Electrical Trades Personnel."

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### **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.

Externally imposed deadlines; set and revised beyond one's control; interruptions influence priorities; difficult to anticipate nature or volume of work with certainty beyond a few days; meeting of deadlines

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and coordination of unrelated activities are key to position; may involve conflict-resolution or similar interactions involving emotional issues or stress on a regular basis.

Job frequently requires standing, 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: 1/8/2020

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