AUBURN
Human Resources

# Electrician III

Job Description

## JOB INFORMATION

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| Job Code | ND09 |
| Job Title | Electrician III |
| Pay Grade | ST14 |
| Range Minimum | $44,500 |
| 33rd % | $53,400 |
| Range Midpoint | $57,800 |
| 67th % | $62,300 |
| Range Maximum | $71,200 |
| Exemption Status | |
| Date Last Edited: | 1/17/2024 2:14:53 PM |
| Legacy Date Last Edited | 1/8/2020 |

## JOB FAMILY AND FUNCTION

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| Job Family: | Production & Skilled Trades |
| Job Function: | Electrical Technology |
| EEO Position Group | 66A - Skilled Craft |

## 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.

## RESPONSIBILITIES

- 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.
- 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.
- 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.
- Leads crews of Electrician I and Electrician II and other assigned personnel to successfully complete assigned projects.
- Will 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".
- 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 RESPONSIBILITIES

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

## MINIMUM QUALIFICATIONS

*To perform this job successfully, an individual must be able to perform the minimum requirements listed below, which are representative of the skill, and/or ability required.*

## MINIMUM EDUCATION & EXPERIENCE

| Education Level | Focus of Education | | Years of Experience | Focus of Experience | |
|---|---|---|---|---|---|
| Some college; vocational or Associate's Degree | Electrical Technology, Electrical Construction, Digital Electronics or Similar fields related to electrical systems. | And | 8 years of | Experience in installation, maintenance, repair, and operation of a wide array of common electrical system components.<br>Must include at least 3 years at the preceding level. | |

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| Substitutions Allowed for Education | Yes |

*Substitution 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.*

## MINIMUM KNOWLEDGE, SKILLS, & ABILITIES

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

## MINIMUM KNOWLEDGE, SKILLS, & ABILITIES

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| 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. | |

## MINIMUM LICENSES & CERTIFICATIONS

| Licenses/Certifications | Licenses/Certification Details | Time Frame | Required/ Desired | |
|---|---|---|---|---|
| DL NUMBER - Driver License, Valid and in State | | Upon Hire | Required | And |
| | 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. | within 180 Days | Required | And |
| | 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." | Upon Hire | Required | |

## PHYSICAL DEMANDS & WORKING CONDITIONS

| **Vision Requirements:** |
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| Ability to see information in print and/or electronically. |