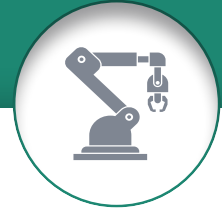


Electrical and Electronics Repairers

Advanced Manufacturing Series



Company Overview:

<Please insert a short paragraph talking about your company and what makes it unique. Include details that capture the core values, culture, and mission of your company, so job seekers clearly understand the environment in which they will be working.>

Job Summary and Responsibilities:

Electrical and electronics repairers install, adjust and maintain electronics equipment (e.g., industrial controls, transmitters and antennas). Electrical and Electronics Repairers are responsible for routinely testing equipment and maintaining equipment logs with performance records. Applicants must be able to read and interpret repair instructions and work orders to determine work content.

<Add any additional responsibilities or changes relevant to this role at your company.>

Required Competencies:

OCCUPATIONAL COMPETENCIES

- **Equipment Maintenance and Repair:** Proficiency with equipment assembly, maintenance, efficiency, repair, cleaning, installation and inspection
- **Manufacturing Process:** Able to understand the end-to-end process flow and how one part affects another; basic knowledge of Kaizen, lean manufacturing and Six Sigma; basic understanding of schematics and blueprints
- **General Electrical Systems:** Experience with installation, identification and repair of wiring, transformers and circuit breakers; able to use voltmeters, ammeters, and wiring diagrams; basic knowledge of motors and simple controllers



FOUNDATIONAL COMPETENCIES

- **Critical Thinking:** Identify problems, come up with solutions and select the best one given the pros and cons. Ideally, anticipate problems and preclude them (e.g., identify flawed materials before use, preventative re-tooling, maintenance); consider safety; come up with ways to continuously improve the company's operations
- **Operation Monitoring:** Watch gauges, dials, or other indicators to make sure a machine is working properly; able to maintain focus for the entire work period and follow standard operating procedure (e.g., follow a set route to monitor multiple machines, perform the right checks at each); watch for production flaws; identify problems and resolve them properly given the relevant protocol
- **Active Listening:** Understand the implications of new information for both current and future problem-solving and decision-making; have a learner's mindset – be open to learning new information from various sources (e.g., formal learning, on-the-job training and mentorship)

Preferred Competencies:

OCCUPATIONAL COMPETENCIES

Mathematics: Determine the causes of operating errors and develop ideas on how to solve; able to identify possible solutions to problems and know who to talk to about different types of problems (e.g., manager, co-worker); anticipate and preclude problems; recognize variance in products or processes, and identify the root causes of problems

FOUNDATIONAL COMPETENCIES

Systems Analysis: Determine how the current system works and how changes in conditions, operations, and the environment will affect outcomes; understand process flow changes and how current processes can be changed to address new needs or improve operations

Find additional competencies for this role using Skillful's occupation deep dive at www.skillful.com/employers.



Example Activities:

- Test faulty equipment to diagnose malfunctions, using test equipment or software and knowledge of the functional operation of electronic units and systems
 - Study blueprints, schematics, manuals or other specifications to determine installation procedures.
 - Inspect or adjust equipment, machines and components, replacing worn parts, such as gaskets or seals in watertight electrical equipment
 - Maintain equipment logs that record performance problems, repairs, calibrations and tests
 - Detect and prevent problems by performing scheduled maintenance tasks, such as checking, cleaning or repairing equipment
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Required Certifications

<Note: Insert Required Certifications *but only if truly required.*>

Job Details:

- Location
- Department
- Job ID
- Classification
- Insert additional details of this position if applicable