



Napoleon Engineering Services

Job Title: Industrial Electrician & Maintenance Technician	Job Code:
Department: Manufacturing	Job Grade:
Revision Date: 12/1/2021	Fair Labor Standards Act (FLSA):

### Position Overview

This position has primary responsibility for keeping all plant systems and manufacturing equipment operating on a daily basis. Qualified candidates must possess a high degree of electrical and mechanical aptitude in order to diagnose problems and execute maintenance solutions to sustain operation of plant wide systems and manufacturing equipment. Specific experience in electrical wiring, hydraulics, and control systems is imparitive. This position is hands on in a fast paced, demanding work environment. Candidates will be required to adapt quickly to and contribute immediately to support industrial equipment maintenance and operations. This position reports directly to the VP of Operations.

### Essential Characteristics

- Professional acceptance of responsibilities and quality of work.
- Clear communicator with an aptitude for learning and constant improvement.
- Ability to work flexible hours, any shift and overtime when needed.
- Team player able to work across all levels of the organization.
- Detail oriented and organized with ability to plan and execute daily and preventative maintenance activities.

### Essential Job Functions

- Interpret electrical engineering drawings.
- Interpret and troubleshoot traditional ladder logic diagrams.
- Program and troubleshoot PLC ladder logic diagrams.
- Troubleshoot pneumatic and hydraulic systems.
- Understand DC and AC single phase and poly-phase motors.
- Understand and troubleshoot DC circuits, single-phase AC circuits and 3-phase wye and delta circuits.
- Apply basic welding and soldering concepts needed for industrial maintenance applications.
- Understand and troubleshoot mechanical power transmission systems.
- Read, interpret, and apply technical information from the National Electrical Code.

- Perform basic and complex mathematical equations as they apply to the electrical trade.
- Perform layout, design, and installation for commercial and industrial wiring systems.
- Apply combined knowledge to perform maintenance and troubleshooting procedures on industrial equipment, CNC machines, power supplies and other disciplines within the electrical trade.
- The application of circuit analysis and design, computer programming, associated software, analog and digital electronics, and microcomputers, and engineering standards to the building, testing, operation, and maintenance of electrical/electronic(s) systems.
- The ability to analyze, design, and implement control systems, instrumentation systems, communications systems, computer systems, or power systems.
- Develop and maintain preventive maintenance program and associated records.

## **Requirements**

- HS Diploma/GED
- Minimum 2 years' experience
- Secondary training/certification in any of the following fields:
  - Industrial equipment technology, Mechatronics, Electrical engineering technology, Electrical Construction and Maintenance Electrician