



## Maintenance Electrician Job Description

**Reports To:** Maintenance Manager

**Starting pay:** (based on qualifications)

**Summary:** Maintenance Electricians will work independently and with other plant personnel to perform preventative, predictive and routine maintenance tasks. They will troubleshoot electrical problems, install/modify new or existing electrical circuits and repair failures of production and facilities equipment. All tasks will be performed while supporting the policies, goals and objectives of the company.

**Essential Duties and Responsibilities** include the following. Other duties may be assigned.

- Troubleshooting, repair, and replacement of electrical components.
- Installation and replacement of electrical motors, motor starters, fuses, disconnects, etc.
- Conduit bending and installation, wire pulling and termination.
- Assist other maintenance personnel with instrumentation, temperature, pressure and flow control loop troubleshooting.
- Repair or replace control devices such as switches, photo eyes, proximity sensors, pushbuttons, contactors, motor starters, transmitters, etc. as needed.
- Perform work order repairs, inspections and adjustments.
- Work directly with production personnel to isolate and repair equipment problems.
- Assist maintenance personnel with other repairs when needed.
- Participates in plant safety, health and environmental programs.

**Education and Pertinent/Proven Experience.** The minimum requirements for education and experience are listed below. Consideration will be given to individuals with an equivalent combination of education and experience.

- Would prefer at least 3 years experience with PLC's, VFD's, and 4-20ma controls
- Ability to use and interpret phase testers, multimeters, meggers and other testing equipment.
- Ability to read and interpret documents and drawings.
- Ability to write detailed repair reports as well as good verbal communication.
- Post-secondary education and/or a technical trade degree required.
- Experience in the operation of a dry-mill ethanol plant is an asset.

**Schedule:**

- Must be willing to work a changing shift schedule and on a rotating weekend on call list.

**Computer Skills:**

- Expertise and proficiency with basic office computer software, and the ability to learn how to effectively use maintenance software to input data and research parts.

**Physical Requirements:**

- The employee must regularly lift and/or move up to 50#.
- Must be able to climb ladders and work at elevations 175 feet.

**Working Environment:**

- While performing the duties of this job, the employee is regularly exposed to work near moving mechanical parts.

- The employee is regularly exposed to dusty conditions.
- The employee is regularly exposed to high noise environments.
- The employee is regularly exposed to outside weather in all conditions.
- The employee will regularly be exposed to chemicals used in the process.