



Patterson Pump Co

MS36 Electrical and Advanced Manufacturing Apprentice 6H

Department: Assembly Department
FLSA Status: Non-Exempt
Grade/Level: 4
Job Type: Regular
Work Schedule:
Monday - Friday Additional hours if needed.

Job Status: Full Time
Reports To: Systems Assembly Manager
Amount of Travel Required: None
Positions Supervised: None

POSITION SUMMARY

Assists with the wiring, repair, or troubleshooting of equipment and electrical control systems under the direction of a working electrician and other technically skilled employees. Apprentice will be responsible for reading blueprints to understand customer specifications and using a variety of tools to help the skilled technicians build, operate, and troubleshoot equipment/systems.

ESSENTIAL FUNCTIONS

Reasonable Accommodations Statement

To accomplish this job successfully, an individual must be able to perform, with or without reasonable accommodation, each essential function satisfactorily. Reasonable accommodations may be made to help enable qualified individuals with disabilities to perform the essential functions.

Essential Functions Statement(s)

- Mentor with electricians, maintenance technicians, and various managerial employees to evaluate and determine the best path for mentorship to safely equip the apprentice with the needed skills to succeed in the career path being pursued.
- Assemble, install, test, or maintain electrical or electronic wiring, equipment, appliances, apparatus, or fixtures, using hand tools or power tools.
- Test electrical systems or continuity of circuits in electrical wiring, equipment, or fixtures, using testing devices, such as ohmmeters, voltmeters, or oscilloscopes, to ensure compatibility and safety of system.
- Use a variety of tools or equipment, such as power construction equipment, measuring devices, power tools, and testing equipment, such as oscilloscopes, ammeters, or test lamps.
- Plan layout and installation of electrical wiring, equipment, or fixtures, based on job specifications and local codes.
- Inspect electrical systems, equipment, or components to identify hazards, defects, or the need for adjustment or repair, and to ensure compliance with codes.
- Diagnose malfunctioning systems, apparatus, or components, using test equipment and hand tools to locate the cause of a breakdown and correct the problem.
- Work from ladders, scaffolds, or roofs to install, maintain, or repair electrical wiring, equipment, or fixtures. Operate overhead and jib cranes to move both small and large components, and buildings.
- Observe and listen to operating machines or equipment to diagnose machine malfunctions and to determine need for adjustments or repairs.

- Operate equipment to verify operational efficiency.
- Install repaired parts into equipment or install new equipment.
- Confer with engineering, supervisory, and manufacturing personnel to exchange technical information.
- Install parts and assemblies such as hydraulic systems, electrical wiring, lubricants, and batteries into machines and mechanisms.
- Perform physically demanding tasks such as moving or lifting heavy objects.
- Comply with established safety policies and procedures. Wear required Personal Protective Equipment as directed. Use appropriate tools designed for their specific job tasks. Provide feedback related to hazard assessments and/or accident investigations.
- Act in accordance with Patterson's Company policies (ex. Harassment, Equal Employment Opportunity, Ethics, etc.).
- Regular attendance at work is an essential function of the job.
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POSITION QUALIFICATIONS

Competency Statement(s)

- Accuracy - Ability to perform work accurately and thoroughly.
- Applied Learning - Ability to participate in needed learning activities in a way that makes the most of the learning experience.
- Detail Oriented - Ability to pay attention to the minute details of a project or task.
- Reliability - The trait of being dependable and trustworthy.
- Responsible - Ability to be held accountable or answerable for one's conduct.
- Safety Awareness - Ability to identify and correct conditions that affect employee safety.
- Accountability - Ability to accept responsibility and account for his/her actions.
- Technical Aptitude - Ability to comprehend complex technical topics and specialized information.
- Communication, Oral - Ability to communicate effectively with others using the spoken word.
- Analytical Skills - Ability to use thinking and reasoning to solve a problem.
- Problem Solving - Ability to find a solution for or to deal proactively with work-related problems.
- Conceptual Thinking - Ability to think in terms of abstract ideas.
- Judgment - The ability to formulate a sound decision using the available information.
- Organized - Possessing the trait of being organized or following a systematic method of performing a task.

SKILLS & ABILITIES

Education: High School Graduate or General Education Degree (GED): Required
Associate Degree (two year college or technical school) Preferred, Field of Study:
Advanced Manufacturing Systems, Electrician, or other similar course of study

Experience: 1 plus years of experience or actively attending courses in the required Education courses of study

Computer Skills:**Certifications &
Licenses:**

Other Requirements: Be available to work overtime as required.
Perform all other duties as required by supervision.

PHYSICAL DEMANDS

N (Not Applicable) Activity is not applicable to this position.
O (Occasionally) Position requires this activity up to 33% of the time (0 - 2.5+ hrs/day)
F (Frequently) Position requires this activity from 33% - 66% of the time (2.5 - 5.5+ hrs/day)
C (Constantly) Position requires this activity more than 66% of the time (5.5+ hrs/day)

Physical Demands

Stand	F
Walk	O
Sit	O
Manually Manipulate	F
Reach Outward	O
Reach Above Shoulder	O
Climb	F
Crawl	O
Squat or Kneel	O
Bend	O
Grasp	O
Speak	O

Lift/Carry

10 lbs or less	F
11-20 lbs	F
21-50 lbs	O
51-100 lbs	N
Over 100 lbs	N

Push/Pull

12 lbs or less	F
13-25 lbs	F
26-40 lbs	O
41-100 lbs	N

Other Physical Requirements

- Vision (Near, Distance, Color, Peripheral, Depth)
- Sense of Sound - Normal limits
- Sense of Touch
- Ability to wear Personal Protective Equipment (PPE) - Safety shoes, hearing protection, eye protection, face shield, gloves
- Sense of Balance

WORK ENVIRONMENT

Manufacturing shop floor environment. Cold in winter. hot in summer.

Prepared By: _____

Date: _____

Approval: _____ Date: _____

Approval: _____ Date: _____

Approval: _____ Date: _____

The company has reviewed this job description to ensure that essential functions and basic duties have been included. It is intended to provide guidelines for job expectations and the employee's ability to perform the position described. It is not intended to be construed as an exhaustive list of all functions, responsibilities, skills and abilities. Additional functions and requirements may be assigned by supervisors as deemed appropriate. This document does not represent a contract of employment, and the company reserves the right to change this job description and/or assign tasks for the employee to perform, as the company may deem appropriate.