Millwright

**JOB PURPOSE:**

Installs, maintains and repairs various types of industrial equipment and machinery.

**CHARACTERISTIC DUTIES AND RESPONSIBILITIES:**

Installs, maintains and repairs a wide variety of equipment and machinery such as pumps, electric motors, conveyors, fans/blowers, gear boxes, precision bearings, etc.

Sets up and operates various types of rigging such as hoists, cables/chains, cranes, pulleys, etc., to move, locate and/or relocate equipment.

Uses precision measuring, alignment, metering and set-up tools to install, troubleshoot, diagnose and repair equipment.

Reads and interprets blueprints, drawings or schematics to determine proper methods and work procedures.

Identifies and replaces worn or broken parts. May use hand tools or machine tools to rebuild/repair re-usable parts.

Performs planned and preventative maintenance on various types of equipment such as: changes belts and filters; lubricates shafts, bearings, gears, motors, pumps; cleans air handling units, checks fan/blower cfm; performs various visual inspections, etc.

May perform water treatments; treats closed loop water systems, cooling towers, chilled water and heating systems by collecting and testing water samples; adds appropriate chemicals to maintain correct levels and balances.

Performs other general building maintenance as needed.

Participates in the training of apprentices and/or other workers as needed.

**KNOWLEDGE, SKILLS, AND ABILITIES:**

Knowledge of and ability to use materials, methods/principles and tools specific to the needs of the Millwright trade.

Knowledge of applicable building codes, regulations or ordinances.

Ability to read blueprints, schematics and drawings.

Ability to understand and follow verbal and written instructions.
Ability to read and write in English and possess good math skills.

Ability to lead and direct the work of others.

Ability to work in safe and efficient manner.

**MINIMUM REQUIREMENTS:**

**Education:** High school diploma or GED

**Experience:** Certificate in relevant DOL apprenticed trade OR five years verifiable journey level experience.

**Certifications/Licenses:** Valid driver’s license and ability to be insured by Indiana University. May be required to acquire and maintain a material-specific abatement certification, supervisor certification or other required certifications.

**PHYSICAL REQUIREMENTS:**

Sitting, standing, walking, climbing off and on equipment, squatting/kneeling, reaching, grasping, pushing/pulling, twisting/bending, lifting/carrying up to 50 lbs multiple times per shift, fingering, talking hearing, and seeing.

**WORKING CONDITIONS:**

Spends most time outdoors, frequent exposure to extreme hot or cold temperatures for one hour plus. Possible exposure to distraction/uncomfortable noise levels and vibration of body or extremities. Risk of bodily injury from mechanical parts, etc. Possible exposure to fumes, odors, etc. that may affect respiration and skin.

The intent of this job specification is to provide a representative summary of the types of duties and responsibilities that will be required of positions given this title and shall not be construed as a declaration of the specific duties and responsibilities of any particular position. Employees may be requested to perform job-related tasks other than those specifically presented in this specification.

A person with a disability who is pursuing employment opportunities with Indiana University and wishes to discuss minimum requirement accommodations should contact the campus HR office.