Electrician

**JOB PURPOSE**
Installs, maintains, and repairs electrical equipment, controls, lighting and circuits. Ensures work is in accordance with relevant codes.

**CHARACTERISTIC DUTIES AND RESPONSIBILITIES**
Installs, tests, maintains, and repairs electrical or electronic wiring, motors, light fixtures, electric panels and controls, wall clocks, compressors, and thermostats using hand tools and power tools.

Connects wires to circuit breakers, transformers, or other components, including installing low voltage and multimedia cabling.

Diagnoses malfunctioning systems, apparatus, and components using test equipment and hand tools, to locate the cause of a breakdown and correct the problem.

Inspects electrical systems, equipment, and components to identify hazards, defects, and the need for adjustment or repair, and to ensure compliance with codes.

Installs ground leads and connects power cables to equipment, such as motors.

Bends conduit using electric or mechanical bender and places conduit (pipes or tubing) inside designated partitions, walls, or other concealed areas, and pulls insulated wires or cables through the conduit to complete circuits between boxes.

Plans layout and installation of electrical wiring, equipment, and fixtures, based on job specifications and local codes.

Performs other general building maintenance as needed.

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

Drives vehicle if needed.

**KNOWLEDGE, SKILLS, AND ABILITIES**
Knowledge of and ability to use materials, methods/principles and tools specific to the needs of the Electrician trade.

Knowledge of applicable building codes, regulations or ordinances.

Ability to operate drills, conduit benders, drill presses, cable pullers, meters (volt, OHM, AMP, Meg), hand tools, hand drills, lathes, and hoisting equipment.

Ability to read and interpret drawings, blueprints and/or schematics.
Ability to use a computer.

Ability to work in safe and efficient manner.

Ability to perform routine maintenance on equipment and determine when and what kind of maintenance is needed.

**MINIMUM REQUIREMENTS**

**Education:** High school diploma or GED.

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

**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**

Standing, walking, driving, climbing/ladders, squatting/kneeling, reaching, grasping, pushing/pulling, twisting/bending, lifting/carrying up to 50 lbs multiple times per shift, fingerling, talking, hearing, and seeing.

**WORKING CONDITIONS**

Most time spent indoors but possible exposure to extreme hot or cold temperatures for one hour plus when working outdoors. Possible exposure to distracting/uncomfortable noise levels, and vibration of body or extremities. Risk of bodily injury from mechanical parts, electricity, 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.