

ELECTRICIAN (MPS)

THE PURPOSE of this position is to install, repair, inspect and maintain all electrical equipment, fixtures and systems, and related wiring maintained by Milwaukee Public Schools.

ESSENTIAL FUNCTIONS

1. Install, repair, inspect, and maintain the following:
 - Lighting fixtures and lighting circuits, including over-current protection, lamps, ballasts, etc.
 - Motors, power systems, outlets, plugs, transformers, starters, cooking, heating and kitchen equipment, switches, wires, controls, and compressors
2. Check, clean and repair motors, contactors, controls bearings, brushes, etc.
3. Plan and oversee project details, determine methods to follow, assure completion of project in accordance with specs and time constraints
4. Select and use materials of correct capacity, size and type suited to circuit design parameters
5. Set up and operate machines to bend, cut and thread conduit and pipe
6. Develop circuit diagrams, specifying proper components and making accurate calculations in circuit design
7. Lay out locations of various circuit components and connect them using the shortest routes
8. Read and record data from instruments and devices set up to measure various circuit parameters
9. Install and repair photo-cell controls, door operator controls, boiler controls, air conditioning controls, fire alarm systems, wireless alarm systems, electrical distribution systems including similar or related electronic equipment
10. Estimate and document material and labor costs associated with work orders and projects
11. Perform other job-related functions as assigned

NOTE: *Milwaukee Public Schools Electricians are on 24-hour call-in duty and in case of emergencies may be called in at any time. They have a variable work schedule and may be assigned on a rotating basis. At the current time, there is a one shift only (1st shift) work group, with occasional, and short term changes.*

MINIMUM REQUIREMENTS

1. Valid driver's license and availability of a properly insured personal automobile in which tools and equipment can be carried from job to job at time of appointment and throughout employment (car allowance provided).
2. Successful candidates must furnish basic electrician's hand tools.
3. Residency in the City of Milwaukee within 6 months of appointment and throughout employment.
4. Certification in the EPA Asbestos Abatement Training Program within 6 months of appointment may be required.
5. Confined space training within 6 months of employment.
6. Good physical condition as evidenced by successful completion of an MPS-administered medical examination, including cardiopulmonary assessment.

PREFERRED QUALIFICATIONS

Significant familiarity with all the essential functions listed above; journey level knowledge and skill as a construction electrician are highly desirable; self-motivated with ability to work on projects with a minimum of supervision; physical strength and agility sufficient to perform essential functions.

KNOWLEDGE, SKILLS, & ABILITIES REQUIRED

- Knowledge and practical understanding in the use of the National Electrical Code (N.E.C.) and electrical codes in general.
- Knowledge of standard electrical practices and safe working procedures.
- Knowledge of electrical equipment and systems, including motors, controllers, fire alarms, distribution power systems, lighting fixtures and systems, stage switchboards and integrated equipment, stage lighting, other switchboards, etc.
- Knowledge of measuring equipment and tools used in the diagnosis and repair of electrical problems.
- Skill in reading blueprint, wiring diagrams, schematics, and electrical catalogs.
- Skill in troubleshooting complex electrical equipment, including computer controls.
- Skill in making mathematical computations.
- Skill in interpersonal and public relations
- Ability to design, estimate and manage projects of various sizes.
- Ability to move or transfer 50 lbs. or more of equipment on a daily basis.

THE CURRENT SALARY IS: \$31.14 per hour with excellent benefits.