

# ELECTRICIAN

**PURPOSE:** Repair, inspect and maintain all electrical equipment, fixtures, systems and related wiring maintained by Milwaukee Public Schools.

## **ESSENTIAL FUNCTIONS:**

- Install, repair, inspect and maintain; 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.
- Check, clean and repair motors, contactors, controls bearings, brushes, etc.
- Plan and oversee project details, determine methods to follow, assure completion of project in accordance with specs and time constraints.
- Select and use materials of correct capacity, size and type suited to circuit design parameters.
- Set up and operate machines to bend, cut and thread conduit and pipe.
- Develop circuit diagrams, specifying proper components and making accurate calculations in circuit design.
- Lay out locations of various circuit components and connect them using the shortest routes.
- Read and record data from instruments and devices set up to measure various circuit parameters.
- Install and repair photo cell controls, door operator controls, boiler controls, air conditioning controls, fire alarm systems, wireless alarm systems, and electrical distribution systems including similar or related electronic equipment.
- Estimate and document material and labor costs associated with work orders and projects.

## **CONDITIONS OF EMPLOYMENT:**

- Employees must provide basic tools of the electrician trade.
- Position is subject to 24 hour call in duty in case of emergencies.

*Reasonable accommodations requested by qualified individuals with disabilities will be made in accordance with the Americans with Disabilities Act (ADA) of 1990.*

## **MINIMUM REQUIREMENTS:**

1. Two years of experience as an electrician in the performance of duties closely related to the essential functions listed above.
2. In compliance with State of Wisconsin Statute 101.862 (2), candidates must have a valid State of Wisconsin Electrician's license at the time of application and throughout employment. PLEASE PUT YOUR ELECTRICIAN'S LICENSE NUMBER ON THE FRONT OF YOUR APPLICATION OR IT WILL NOT BE ACCEPTED.
3. A valid driver's license at time of appointment and throughout employment; availability of a properly insured personal vehicle in which tools and equipment can be carried from job to job (car allowance provided).
4. Certification in the Environmental Protection Agency (EPA) Asbestos Abatement Training Program within 6 months of appointment.
5. Confined space training within 6 months of appointment.

## ***Electrician (MPS)***

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### **KNOWLEDGE, SKILLS, ABILITIES AND OTHER CHARACTERISTICS:**

- Knowledge in the use of the National Electric Code (NEC) 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 lighting and stage switchboards and integrated equipment.
- Knowledge of measuring equipment and tools used in the diagnosis and repair of electrical problems.
- Skill in reading and interpreting blueprints, wiring diagrams, schematics and electrical catalogs.
- Skill in mathematical computations
- Skill with interpersonal and public relations.
- Ability to troubleshoot complex electrical equipment including computer controls.
- Ability to design, estimate and manage electrical projects of various sizes.
- Ability to lift and carry up to 50 lbs. of equipment or materials

**THE CURRENT HOURLY SALARY IS:** \$32.20 per hour with excellent benefits.

**THE SELECTION PROCESS** will be job related and will consist of one or more of the following: education and experience evaluation; written, oral, or performance tests; or other assessment methods. The Department of Employee Relations reserves the right to call only the most qualified candidates to oral and performance examinations. Oral examinations may include written exercises. Selection process component weights will be determined by further analysis of the job.

The examination will be held as soon as practical after **August 23, 2013**. Receipt of applications may be discontinued at any time after this date without prior notice, however, recruitment may continue until the needs of the City have been met. Qualified applicants will be notified of the date, time, and place of the examination. Unless otherwise required by law, the City of Milwaukee will not provide alternative test administration. The applicant is responsible for attending all phases of the job selection process at the time and place designated by the City of Milwaukee.

***APPLICATIONS*** and further information may be obtained in person or via mail from the City of Milwaukee Department of Employee Relations, 200 E Wells St, Room 706, Milwaukee, WI 53202-3554, from [www.milwaukee.gov/jobs](http://www.milwaukee.gov/jobs), or by calling (414) 286-3751.

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