WAYNE STATE UNIVERSITY

ISSUED: 3/13, 6/92 & 3/88

TITLE: Electrician

SALARY SCHEDULE:

CLASS CODE: SK602

UNION: Detroit Building Trades & Construction Trades Council

SALARY GRADE:

EEO CODE: 60

FLSA: Non-Exempt

E-CLASS: SK

POSITION PURPOSE

Install, alter, maintain and repair electrical systems, equipment and fixtures throughout campus and in University buildings in accordance with standard practices of the electrical trade.

ESSENTIAL JOB FUNCTIONS

- Diagnose trouble in electrical sources, connections, outlets and fixtures. Troubleshoot problems in high or low voltage and with AC or DC currents; work with electrical controls, power units, motors, plant power and lighting systems; access wires and lines which may be above ceilings, in walls, underground or inside fixtures; transport and use voltmeters and other diagnostic equipment to indicate electrical problems on-location in campus facilities as well as outdoors.

- Repair or replace damaged or broken electrical equipment and wires. Determine and obtain all supplies and equipment needed to make repairs; erect and use ladders, scaffolds and chainfalls; utilize lift equipment to access high wires and fixtures; work above ceilings, under water, in crawl spaces, at any height from below ground level to several stories high and at any angle; remove broken material or equipment to be replaced; upgrade or replace wiring and fixtures to meet federal and local electrical codes; modify systems as appropriate.

- Install electrical power and lighting systems. Shut down power in work area as appropriate; work with live wires; connect circuits; determine power source to feed power and lighting systems; solder joints and terminals; maneuver electrical supplies, equipment and tools to access work area; run wire through ceilings, floors, walls, etc. to connect fixture and power source; mount fixtures and wires at varying heights and angles according to specifications; place new electrical fixtures, outlets and equipment.

- Work according to blueprints, wiring diagrams and/or personal instruction. Determine where wiring and power sources are located; check electrical loads; recommend changes to electrical circuits and sources being used; increase available electricity to accommodate usage; utilize appropriate methods and procedures for equipment and worksite; rewire existing buildings; troubleshoot and repair departmental equipment; locate mislabeled or unidentified wiring and circuits.

THIS DESCRIPTION IS INTENDED TO INDICATE THE KINDS OF TASKS AND LEVELS OF WORK DIFFICULTY THAT WILL BE REQUIRED OF POSITIONS THAT WILL BE GIVEN THIS TITLE AND SHALL NOT BE CONSTRUED AS DECLARING WHAT THE SPECIFIC DUTIES AND RESPONSIBILITIES OF ANY PARTICULAR POSITION SHALL BE. IT IS NOT INTENDED TO LIMIT OR IN ANY WAY MODIFY THE RIGHT OF ANY SUPERVISOR TO ASSIGN, DIRECT AND CONTROL THE WORK OF EMPLOYEES UNDER THEIR SUPERVISION. THE USE OF A PARTICULAR EXPRESSION OR ILLUSTRATION DESCRIBING DUTIES SHALL NOT BE HELD TO EXCLUDE OTHER DUTIES NOT MENTIONED THAT ARE OF SIMILAR KIND OR LEVEL OF DIFFICULTY.

- Maintain safe working conditions at all times by using supplies and equipment properly and taking necessary precautions. Work outdoors and in inclement weather conditions; perform duties in areas which may contain toxic fumes or agents using appropriate safety equipment and procedures; complete tasks requiring work in different positions and at different angles; transport tools and equipment to worksites throughout campus including stairwells, ceilings, basements, rooftops, crawl spaces, etc.

- All Electricians are considered to be "Essential Personnel," and are required to report during a university emergency closure period.

- Perform other duties as assigned.

MINIMUM QUALIFICATIONS

- Possession and maintenance of an authorized journeyman's license as an electrician.

- Ability to read and interpret blueprints.

- Ability to transport, use and maintain heavy tools and equipment and the full range of electrical supplies and equipment, including voltmeters, wiring, soldering irons, circuitry, fuses, chainfalls, scaffolds, ladders, lifts, etc.

- Ability to access electrical equipment and wires at varying heights and angles from below ground level to several stories high and in confined areas.

- Ability to work in a variety of positions.

- Possession and maintenance of a valid Michigan vehicle operator's license and satisfactory driving record as determined by University policy.

- Thorough knowledge of national, State and local electrical codes.

- Ability to work in varying environmental and possibly hazardous working conditions utilizing appropriate safety precautions.

- Some experience as a maintenance electrician.

- Must obtain security clearance.