

## WESTERN MICHIGAN UNIVERSITY

**TITLE:** Appliance Repairperson - Maintenance Services

**GRADE:** ST4

**FUNCTIONS:**

This position provides journey level craft labor, working with tools to install, repair, overhaul and perform preventive maintenance for all types of dining service, apartment/residential and commercial appliances, including electrical, steam and natural gas powered appliances. The incumbent installs, repairs and maintains choppers, slicers, mixers and other food preparation equipment; ovens, hot tops, stack steamers, steam kettles, donut machines, deep fat fryers and other cooking/baking appliances; hot carts, heat lamps, cold cuts and dish machines; dish accumulator and conveyor systems and other commercial dining service equipment. This position installs, maintains and repairs stoves, microwave ovens, garbage disposals, coffee makers and other domestic appliances in both residential and administrative University buildings; and commercial washers and dryers. The incumbent inspects and repairs/replaces blades, gears, belts, pulleys, switches, valves, motors, temperature gauges, thermostats and electrical circuits. This position dismantles equipment; inspects mechanical, electrical and other components; cleans and lubricates mechanical components; grinds/sharpens blades; welds or replaces cracked or broken metal parts; and repairs/rewires electrical circuits. The incumbent repairs or replaces defective motors; removes deteriorated or defective belts and pulleys and installs new replacement belts and pulleys; and replaces hoses, gaskets, valves, washers and other connections/parts. The incumbent checks thermostats, temperature gauges, thermometers, and other gauges/controls, and recalibrates as necessary to maintain accuracy. This position replaces knobs and other external features.

The incumbent utilizes manual and power wrenches and screwdrivers, adjustable wrenches, socket sets, pliers, wire cutters, wire strippers, hammers, and levels to tighten connections, dismantle appliances, repair or replace damaged and deteriorated components including belts and pulleys, and reassemble equipment. The incumbent employs voltmeters, amp meters, circuit testers and phase meters to evaluate the operating condition of control panels and identify problems. This position uses torches and soldering guns to repair electrical switches and circuits; grease guns for lubricating moving mechanical parts; and specialized equipment designed for particular appliances.

The incumbent provides information required to update mechanical drawings to accurately reflect current status and, as assigned, may assist in the technical training of an apprentice. This position determines inventory requirements for supplies, materials and replacement parts, and notifies supervisory personnel when (re)ordering is necessary. This position operates a motor vehicle to transport tools, supplies and materials to work sites. The incumbent organizes assigned work so as to minimize materials and manhours required for proper completion of work, and instructs other in the operation of and preventive maintenance for all related tools and equipment.

This position maintains the work area, all tools, all equipment, all supplies and any assigned vehicle(s) in a neat, clean and orderly condition and performs all work in accordance with established safety practices. The incumbent must wear MIOSHA approved safety shoes at all times and must wear a hard hat, gloves and safety glasses when operating power equipment and welding tools. Other protective gear must be worn as required by MIOSHA rules. The incumbent must wear no loose-fitting clothing which might become entangled in equipment or machinery, posing a hazard to incumbent's safety. This position performs additional duties as requested by supervisory personnel.

### **QUALIFICATIONS:**

The incumbent must be able to read and comprehend written instructions and safety regulations regarding the performance of job duties, and must have sufficient writing and mathematical skills to prepare estimates and supply requisitions. Must have the ability to familiarize themselves with electronic communication devices for work orders and other communication. The incumbent must be able to interpret complex blueprints, diagrams, written specifications and operating instructions. Completion of a registered apprenticeship program, or an established, certified training program recognized by the University and/or written verification of a minimum of five (5) years experience at the journeyman level in the trade is required. The incumbent must possess, or obtain within 90 days of the date of hire, certification from one or more appliance manufacturers. Possession of a valid Michigan driver's license is required for operation of any assigned vehicle used to transport tools, supplies, materials, and equipment between work sites.

In order to perform the essential functions of the job, the incumbent must be able to wear a tool belt weighing 20 lbs at all times while performing all functions. The incumbent must be able to ascend a ten-foot (10) step ladder at least 10 times per day to repair, install and/or maintain exhaust systems, solenoid valves and other components of dining service appliances, and must be able to ascend a 6 foot ladder to repair dish machines. The incumbent must be able to raise appliances weighing up to 100 lbs each to a height of thirty-two inches (32") with or without mechanical assistance at least ten (10) times per day in order to place appliances on work benches for repair and overhauling. The incumbent must be able to maneuver grills weighing 500-700 lbs onto pickup trucks or other vehicles with the use of hydraulic trucks in order to transport them to the repair facility for repairs and/or winter storage. The incumbent must be able to apply 150 foot-pounds of torque to wrenches and other tools in order to break loose nuts and bolts on appliances. The incumbent must be able to enter and maneuver in restricted spaces in order to work inside rotary and convection ovens while performing repairs and maintenance. The incumbent may be required to transport materials weighing up to 50 lbs distances of 200 yards on occasion in order to access work sites.

The incumbent must be able to lift, manipulate and maneuver tools, parts, wiring and other electrical components. The incumbent must be able to adjust timing screws and threaded rods in appliances. The incumbent must be able to work for two hours at a time at shoulder level or any intermediate level up to and including directly overhead. The incumbent must be able to use screwdrivers, pliers, wire cutters, wrenches, and other tools of the trade to install, remove, dismantle, adjust, reassemble and re-install blades, belts, pulleys, fans, motors and electrical components. The

incumbent must be able to work at ground/floor level and/or underneath equipment/appliances up to two hours a time for the entire length of shift in order to access electrical, mechanical, and other appliance components.

In order to obtain a valid Michigan driver's license, the incumbent must possess 20/40 vision with or without corrective lenses. The incumbent must possess 20/20 vision with or without corrective lenses and be able to properly place and align belts, pulleys, screws, and other components. The incumbent must be able to accurately distinguish colors in order to accurately identify, trace and match electrical wires.

The incumbent must be able to tolerate exposure to extreme temperatures ranging from -25<sup>0</sup> F to 120<sup>0</sup> F, in kitchens. The incumbent must be able to tolerate exposure to dirt, dust, pollen and other airborne debris. The incumbent must be able to work in proximity with 120 - 440 volt power sources up to eight hours per day. The incumbent must be able to tolerate exposure to high humidity, grease, steam lines, cooking odors, and moving mechanical parts.

A physical examination administered by the employer's designated physician is required to determine the incumbent's ability to perform the essential functions of the job and/or identify the need for a reasonable job accommodation.