WAYNE STATE UNIVERSITY

ISSUED: 7/92
& 3/88

TITLE: Engineer, Second Class
SALARY SCHEDULE:
CLASS CODE: OE603

UNION: Operating Engineers
SALARY GRADE:
EEO CODE: 60

FLSA: Non-Exempt
E-CLASS: OE

POSITION PURPOSE

To perform skilled work in the repair, operation and maintenance of heating, ventilation, air conditioning and mechanical equipment in assigned area.

ESSENTIAL JOB FUNCTIONS

- Operate and monitor environmental systems for heating, ventilation, air conditioning, water, lighting and fire protection. Access units in windows, on rooftops, above ceilings, behind walls, in crawl spaces or closets, etc.; use appropriate safety precautions, which may include wearing a ventilator; ensure consistency with design specifications and energy guidelines.

- Check and repair pumps, condensate tanks, valves, water heaters, sump pumps, reducing stations, swimming pool equipment, boilers and plumbing systems. Access equipment which may be at any height and in any location on campus; troubleshoot equipment; obtain and install replacement parts to ensure efficient operation; work with hand tools at any angle. Clean all plenum chambers, fans, boiler rooms and other areas designated for heating and ventilation use.

- Clean and change air filters. Access filter chambers which may be located at any height and angle with cumbersome boxes containing replacement filters; adjust and replace belts on equipment. Control flow by opening and closing gate, globe and/or butterfly valves; respond to emergencies such as floods, fires, equipment failures, etc. and perform necessary repairs.

- Perform preventive maintenance on equipment. Troubleshoot mechanical equipment; make necessary repairs to ensure proper environmental temperature and maximize service life of equipment; manipulate equipment using hand tools to access parts.

- Respond to calls for service. Open and close dampers; generate work orders to have additional work done and follow through on its completion.

- Other duties as assigned.

MINIMUM QUALIFICATIONS

- High school graduate or equivalent combination of education and/or experience.
- Graduate of Stationary Engineer Trade School or recognized apprentice program.
- Possession of Second Class Steam Engineer's license from the City of Detroit.
- Some related experience in pipe fitting and general maintenance.
- Refrigeration experience desirable.
- Some experience on HVAC system controls.
- Ability to read and interpret blueprints.
- Ability to access equipment which may be at any height and angle from below ground level to several stories high.
- Ability to work in varying environmental and possible hazardous working conditions utilizing appropriate safety precautions.
- Must obtain security clearance.