



FACILITIES ELECTRICIAN

CLASS SUMMARY: To perform building and physical plant electrical installations and maintenance within the scope of the required electrical license. To perform other maintenance duties as assigned including but not limited to those of the Maintenance Specialist 3.

SUPERVISION RECEIVED AND EXERCISED: Receives general supervision from designated management personnel while also receiving more specific direction and supervision concerning electrical installations from the Supervising Electrician. Provides technical and functional supervision to work crew assigned to the maintenance of County facilities in regards to electrical installations and safety.

TYPICAL CLASS ESSENTIAL DUTIES: (These duties are a representative sample; position assignments may vary.)

1. Inspects, maintains, and repairs mechanical and electrical systems and equipment as part of preventive, routine, and emergency maintenance.
2. Installs new electrical circuits and equipment and maintains electrical service equipment.
3. Provides a wide range of electrical services including wiring inspection and repair, motor replacement, lighting system repair, and replacement of electrical devices and equipment.
4. Designs lighting control systems; programs lighting control equipment to maximize building energy efficiency; provides technical support for construction projects in the absence of the designated management personnel.
5. Installs and maintains Fire/Life Safety fixtures and equipment.
6. Installs or assists in the installation of heating, ventilation, and air conditioning equipment and systems.
7. Uses electrical test equipment and meters to diagnose problems and check completed work.
8. Tests and operates emergency generators, lighting systems, and UPS equipment as part of preventive maintenance.
9. Troubleshoots equipment with or without wiring diagrams, schematics, or building plans.
10. Prepares and maintains a variety of records and reports related to day-to-day operations in assigned area of responsibility.

LANE COUNTY
Facilities Electrician (Continued)

11.	Monitors available inventory and purchases supplies as necessary.
12.	Performs quality control of electrical installations in County owned facilities.

Knowledge of (position requirements at entry):

- Wiring methods and electrical construction practices.
- Electrical systems maintenance, repair, and installation procedures.
- Laws, rules, regulations, and code governing the installation and repair of electrical fixtures and systems.
- Electrical theory and the application of electrical theory.
- Safety procedures and processes associated with electrical and mechanical maintenance and repair.
- Operating principles of heating, ventilating, and air conditioning systems.
- Trades and crafts associated with the maintenance and construction of commercial and industrial buildings.
- Automated control systems for HVAC and lighting equipment.

Ability to (position requirements at entry):

- Troubleshoot complex control schematics and wiring diagrams.
- Operate a variety of hand and power tools used in construction and maintenance activities.
- Read and understand any applicable article and section of the National Electrical Code, the Oregon Electrical Specialty Code, and the Oregon Administrative Rules Chapter 918
- Identify broken or malfunctioning parts and equipment and replace them using independent judgment.
- Perform the electrical portion of major repairs to equipment and buildings.
- Establish and maintain effective, professional, respectful, and productive working relationships with co-workers, supervisors, and others contacted in the course of work.

Training and Experience (positions in this class typically require):

- Equivalent to the completion of the twelfth grade supplemented by training in electrical work, HVAC systems maintenance or a related field.
- Possession of a valid Oregon General Journeyman Electrician (J) License or higher.
- Five years of experience in electrical construction and maintenance including three years as a General Journeyman Electrician.

Licensing Requirements (positions in this class may require):

Possession of a valid Oregon Driver License.

NOTE: This position is represented by AFSCME Local 2831.

Classification History:

FLSA Status: Non-Exempt