



## 1315 ELECTRICIAN SPECIALIST

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### **Classification Summary**

Performs advanced technical design, planning, and estimation of electrical systems installation, maintenance, alteration, or repair projects for District buildings or properties; applies for and oversees work requiring electrical permits.

### **Supervisory Relationships**

Works under the general supervision of the Mechanical Services Supervisor. May be required to oversee work of other District staff.

### **Distinguishing Characteristics**

Distinguished from Electrician by requirement to hold an Oregon General Supervisors License and by the greater emphasis on design of electrical systems.

### **Examples of Duties**

1. Apply for and obtain permits to perform electrical work in District buildings; oversees work as mandated by state law.
2. Design, replace or modify electrical installations for computer banks, interior or exterior lighting systems, control systems, and fire alarms. Compute footcandle, feed sizing, fusing, grounding; determine surge suppression and temperature sensor location needs; develop plan specifications and cost estimates; install circuitry, wireways and switching.
3. Perform safety-related inspection and repair of fire alarms, fluorescent lighting, panelboards, boiler and shop equipment controls, electrical connections and switches. Trace malfunction to determine cause; locate and order replacement parts and perform necessary repairs.
4. Provide quality control and technical guidance to Electricians and other District staff.
5. Inspect progress and quality of work performed by crews or contractors; assure application of safety precautions.
6. Maintain accurate records of work performed and materials used.
7. Keep current on technological and industrial advances through reading and educational seminars.
8. Research and recommend equipment and supply purchases.
9. Perform related work as required.

### **Required Knowledge, Skills and Abilities**

1. Comprehensive knowledge of the National Electric Code, electrical theory, and methods of electrical installation. Ability to read blueprints and electrical circuitry schematic diagrams; ability to read and apply technical directions in repair manuals.
2. Ability to diagnose and repair electric motors, controls, lighting systems, fire alarms, and branch circuits.
3. Ability to use precision test equipment, hydraulic conduit bender, hydraulic man lift, and power hand tools; ability to bend, cut, and thread pipe.
4. Ability to communicate with District staff to determine electrical systems needs and to assign and direct work of work crews.
5. Ability to prioritize work assignments according to nature and severity of problem.

### **Minimum Qualifications for Class Entry**

Oregon State General Supervisors License for the electrician trade with continuing education to retain license.

**Work Environment**

Work is performed in District buildings and may require lifting of heavy objects, working in tiring or awkward positions, and exposure to inclement weather. Incumbents may be exposed to risk of electric shock. Incumbents may be required to perform emergency repairs during evening or weekend hours.