

ELECTRICIAN

Class Code: 568

Range: E/22

Definition: Under general supervision, to install, test, alter, repair, place and maintain electrical systems, fixtures and equipment; to perform related work as required.

Distinguishing Features: The Electrician is an advanced journey level classification. Incumbents perform the full range of journey level duties, possess technical expertise and perform specialized duties in a highly independent manner. Positions at this level work outside the immediate proximity of a supervisor and work with only occasional instruction or assistance. Work is normally reviewed only on completion and for overall results.

Examples of Important and Essential Duties:

The following duties represent the principal job duties, however, they are not all-inclusive. Other duties may be required and assigned:

- Perform skilled preventative and corrective electrical maintenance work to equipment, such as interior and exterior lighting, operational and control systems, distribution centers, and miscellaneous building maintenance equipment.
- Installs, maintains, diagnoses, and repairs various electronic equipment, such as security systems, alarm systems, HVAC, lighting controls, etc.
- Test, locate and repair electrical circuits, systems and equipment; perform electronic equipment repair and troubleshooting; repair and replace broken or defective parts.
- Oversee the work of contractors, ensuring compliance with established specifications, schedules and safety regulations.
- Assist in designing, estimating and completing small construction projects and improvements.
- Prepare and submit accurate logs and reports as required.
- Operate and maintain a variety of hand and power tools and equipment.
- May perform skilled work in the construction, repair and maintenance of buildings, property and equipment.
- Work irregular shifts and respond to after-hours emergency calls as required.
- Adheres to County and departmental policies and procedures as well as safe work practices, policies and procedures.
- Develops and maintains effective working relationships with other staff, public officials, the general public and representatives of other agencies.
- Has regular and predictable attendance.
- Performs other related duties as assigned.

Auxiliary Duties:

The following duties represent duties that are generally performed by this position, but are not considered the principal job duties:

- Operate heavy and special equipment.
- Perform related duties as assigned.

Qualifications:

Minimum Qualifications: A high school diploma or equivalent supplemented by four years of experience in general electrical repair work.

Knowledge, Skills and Abilities: Position requires knowledge of current Oregon electrical codes for public facilities; thorough knowledge of electrical principles, theory, troubleshooting, repair and construction techniques and applications; knowledge of telephone, intercom, power distribution, motor and electrical lighting systems; knowledge of hazards and safety precautions involving electrical work and building maintenance; knowledge of laws and regulations as applicable to assigned department. Skill in the use of a large variety of highly technical test equipment. Position requires the ability to operate a variety of hand and power tools; operate light, medium and heavy trucks and power driven equipment; plan, schedule and supervise work assignments; develop specifications for projects; perform duties under tight deadlines and/or in emergency situations; use independent judgement in performing routine and non-routine tasks; understand and carry out oral and written directions; read, interpret and understand maintenance manuals, policy manuals, electrical diagrams, blueprints, specifications, etc.; establish and maintain cooperative working relationships with co-employees and the general public; provide effective technical supervision over crew.

Special Requirements: *Performance of the essential duties of this position includes the following physical demands and/or working conditions:*

Tasks involve frequent walking and standing; perform strenuous or heavy manual work, sometimes in adverse weather conditions; lifting and carrying objects of moderate to heavy weight; and the operation of vehicles, shop and hand tools in which manipulative skills and hand-eye coordination are important ingredients of safe and/or productive operations. May involve the complex operation of gasoline, electric or diesel-powered machinery vehicles involving manipulation of multiple controls and climbing on ladders up to 100 feet. Tasks require visual perception and discrimination as well as oral communications ability. Tasks may require exposure to uncomfortable physical conditions, including heat, cold, wetness, strong odors and/or smoke, strong and/or toxic chemicals, electrical currents, dust and pollen.

License or Certificate:

Requires possession of a valid State of Oregon General Journeyman Electrician's license and a valid and appropriate Oregon driver's license and a good driving record.

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