



# **JOB DESCRIPTION**

## **TULARE JOINT UNION HIGH SCHOOL DISTRICT**

**426 North Blackstone, Tulare, CA 93274**



### **Electrician**

**Revised 7/11**

#### **DEFINITION**

Under supervision of the Director of Facilities, does journeyman-level work in the repair, alteration, construction, installation, and maintenance of electrical systems and equipment; and other related duties as assigned.

#### **EXAMPLES OF DUTIES/ESSENTIAL FUNCTIONS**

- Inspects, repairs, installs, alters, services, and maintains electrical systems, including conduit and duct systems, light and power systems, motor appliances, generators, control equipment and switches, switchboards, fans, heaters, fixtures, boilers, bell and buzzer systems, clocks, and fire alarm systems. E
- Installs necessary interior and exterior wiring for equipment and appliances. E
- Wires new and altered buildings. E
- Performs troubleshooting work to locate defects in electrical systems. E
- Replaces fuses. E
- Installs, tests, and maintains inter-communication systems. E
- Estimates time and materials required for electrical maintenance and repair activities. E
- Interprets electrical plans and specifications, and checks for conformity to codes, regulations, and safety orders. E
- Keeps material and cost records. E
- May perform plumbing and welding operations incidental to electrical duties. E
- May be required to work in other trade areas on a temporary basis. E
- May drive a district vehicle as directed. E
- Other duties as assigned.

#### **MINIMUM QUALIFICATIONS**

##### **Education**

High School Diploma or equivalent  
Completion of Electrician coursework

##### **Experience**

One year of journeyman-level experience in electrical field

##### **Licenses and Other Requirements**

DOJ and FBI fingerprint clearance  
Negative TB test within the last four years  
California Driver's License

#### **KNOWLEDGE AND ABILITIES**

##### **Knowledge of**

- Materials, methods and tools used in the operation and repair of electrical systems.
- Health and safety regulations and procedures.
- Basic record-keeping techniques.
- Electrical terms and materials and the circuits used in buildings.
- Single and poly-phase motors.
- Kitchen, heating, ventilating, and blower equipment.
- Portable hand tools, stationary power tools and distribution systems.

- National Electrical Code and the Electrical Safety Order of the Division of Industrial Safety.
- Electrical blueprints.
- Test equipment such as ohmmeters, monitors, volt meters, probes, and other such equipment.
- Oral and written communication skills.

### **Ability to**

1. Install, repair, modify, and maintain a wide variety of electrical equipment and systems.
2. Plan, design, organize and coordinate electrical work.
3. Use, operate and maintain hand and power tools and equipment used in performing electrical maintenance, and repair work.
4. Read and follow plans, blue prints, sketches, specifications, and diagrams of electrical work.
5. Make accurate arithmetical computations.
6. Maintain routine records and reports.
7. Understand and follow oral and written directions.
8. Observe legal and defensive driving techniques.
9. Estimate labor and material costs.
10. Perform duties effectively, timely, and without supervision.
11. Communicate effectively both orally and in writing.
12. Establish and maintain cooperative and effective working relationships with others.

## **PHYSICAL DEMANDS AND WORKING CONDITIONS**

### **Environment**

- Indoor/outdoor environment subject to changing conditions and temperatures exceeding 90 degrees at times.
- Regular exposures to fumes, dust, odors, heights, and loud noises.
- Driving a vehicle to conduct work.
- May be exposed to heights, and loud noises.
- Work in direct contact with public, students, and other District staff.
- Exposure to electrical power supply and high voltage.
- Working on ladders at varying heights.

### **Physical Demands**

- Verbal, auditory, and written capabilities to effectively communicate in an articulate manner.
- Clarity of vision at varying distances to perform various work assignments.
- Standing and walking for extended periods of time.
- Dexterity of hands and fingers to operate a variety of specialized tools and equipment.
- Reaching overhead, above the shoulders, and horizontally.
- Occasional bending, kneeling, or crouching.
- Lifting, carrying, pushing, and pulling object(s) weighing up to 75 pounds.
- Climbing ladders and working from heights as necessary.

### **Hazards**

- Working with tools and powered machinery.