



# Irvine Unified School District

## **MAINTENANCE TECHNICIAN V Trades Journeyman Electrician**

### **DEFINITION**

Under the general supervision of the supervisor, building maintenance, performs a variety of skilled and semi-skilled tasks in connection with the maintenance, repair and installation of electrical equipment and related systems.

**ESSENTIAL DUTIES AND RESPONSIBILITIES** include the following. Other duties may be assigned.

- Installs, maintains and repairs full range of electrical equipment and systems common to school buildings including, but not limited to: lighting systems, distribution equipment, fans, switches, motors and controls.
- Installs, maintains and repairs electrically operated food service equipment.
- Prepares material requisitions, provides general estimates of time and materials for electrical related work orders.
- Cares for and maintains tools, equipment and work area.
- Maintains records and provide work reports.
- Provides direct labor as may be required in the event of an emergency to protect personnel and property.
- Installs cabling for computer and phone systems.

### **QUALIFICATIONS**

#### **Knowledge of:**

- Methods, materials and equipment used in the maintenance, repair and installation of electrical systems to include: up to 480 volt, distribution and emergency systems.
- The National Electric Code.
- Safety practices and procedures related to the electrical trade and use of equipment common to the electrical trade.
- Basic arithmetic calculations as related to the electricity.
- Solid state controls, craft skills and general building trades practices.
- Computer and telephone cabling systems.

#### **Ability to:**

- Safely and proficiently use hand and power tools and equipment common to the electrical trade.
- Perform heavy manual labor, work safely at heights and in confined spaces.
- Provide general estimates of time and materials on routine jobs.
- Read and interpret blueprints and schematic diagrams.
- Perform work in an orderly and efficient manner by determining priorities and adhering to assigned schedules.
- Maintain accurate work records and provide reports of work accomplished.
- Understand and carry out written and/or oral instructions, provide basic instructions to personnel assigned to assist with work.
- Work cooperatively and maintain positive working relationships with others.
- Work independently.

#### **Training and experience:**

Education equivalent to completion of the twelfth grade. Course work in the electrical trade involving both theory and practice in repair, maintenance and installation of electrical equipment. A minimum of seven years journey-level

experience as an electrician. Any combination of equivalent training and experience which would provide the required skill and ability.

**Licenses:**

A valid California driver's license is required.

**Physical:**

Good physical condition as determined by pre and post-employment inquiries and health reports.

**PHYSICAL DEMANDS:**

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this job, the employee is regularly required to use hands to finger, handle, or feel objects, tools, or controls and talk or hear. The employee frequently is required to stand, walk, and reach with hands and arms. The employee is occasionally required to sit; climb or balance; stoop, kneel, crouch, or crawl; and taste or smell.

The employee must occasionally lift and/or move up to 100 pounds. Specific vision abilities required by this job include close vision, distance vision, color vision, peripheral vision, depth perception, and the ability to adjust focus.

**WORK ENVIRONMENT:**

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this job, the employee is regularly exposed to risk of electrical shock. The employee frequently works in outside weather conditions. The employee occasionally works near moving mechanical parts and is occasionally exposed to fumes or airborne particles, toxic or caustic chemicals, extreme cold, extreme heat, risk of radiation, and vibration.

The noise level in the work environment is usually loud.

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