

ELECTRONICS TECHNICIAN III

DEFINITION

Under direction from the Maintenance Supervisor, organize, coordinate, and perform skilled work in the installation, maintenance, and repair of a variety of electronic, telecommunication, audio-visual equipment; to perform a variety of functions in the planning, implementation of telecommunication and database network operations; to serve as a resource and provide support to users pertaining to telecommunication, electronic based office equipment, computer hardware and software application processes; to perform semi-skilled and skilled functions in other maintenance trade areas; and to do other related work as required.

ESSENTIAL DUTIES

- Coordinate, organize and perform skilled maintenance and repair of telecommunication equipment, computers, computer terminals, electronic office equipment, and a variety of other electronic equipment.
- Assist in the planning, scheduling of the installation, maintenance, and repair of alarm and detection systems, electronic lock systems, and scoreboards.
- Utilize a variety of specialized electronic testing equipment in diagnosing, evaluating and testing electronic related equipment.
- Align, adjust, and calibrate electronic equipment in accordance with manufacturer specifications.
- Replace defective electronic components, parts and wiring using a variety of hand tools and equipment.
- Investigate, test, and recommend the purchase of electronic and audio-visual equipment, computer hardware and application software.
- Requisition, order and maintain an adequate inventory of electronic components, parts, supplies and repair materials.
- Maintain and update a technical library of manuals, blueprints, and schematic drawings.
- Organize, and lay out assigned work tasks.
- May conduct in-service training programs relative to the operation and maintenance of computer, detection, fire alarm, and electronic equipment.
- Confer and provide technical support to electronic system users.
- Monitor outside technical vendor services to ensure a high standard of performance.
- Serve as a liaison in the planning and development of information management networks and database systems.

QUALIFICATIONS

Knowledge of:

Methods, procedures, techniques, materials, and equipment utilized in the installation, repair, and maintenance of computer hardware, electronic and audio-visual equipment, communication equipment, clocks, fire and security detection systems; district policies, legal mandates, and codes pertaining to the inspection, repair, and maintenance of computer hardware, communications, electronic, audio-visual, and other specialized systems; safe working methods and procedures.

Ability to:

Skillfully install, maintain, and repair various types of electronic and audio-visual equipment, clocks, fire and security detection and communication systems; utilize special electronic testing equipment to determine defects and malfunctions; under direction lay out and coordinate the work of others; accurately estimate labor and material costs; maintain simple records and be able to prepare complete and concise reports; understand and carry out oral and written directions; establish and maintain cooperative working relationships.

PHYSICAL DEMANDS

- Persons performing service in this position classification will exert 50 to 75 pounds of force frequently to lift, carry, push, pull, or otherwise move objects.
- This type of work may involve ascending and descending ladders, stairs, scaffolding, and ramps, and will involve walking or standing for extended periods.
- Perceiving the nature of sound, near and far vision, depth perception, providing oral information, the manual dexterity to operate equipment and use hand tools, and handle and work with various materials and objects are important aspects of this job.
- Exposure to hot, cold, wet, humid, or windy conditions caused by weather may occasionally be experienced.

Reasonable accommodation may be made to enable a person with a disability to perform the essential functions of the job.

EXPERIENCE AND EDUCATION

Experience:

Five years of experience at a journeyman level in the installation, maintenance, and repair of computer hardware, electronic, audio-visual, clocks, fire alarm, security detection and telecommunication systems, three of these years must be within the last ten years of employment.

Education:

Verification of High School graduation or GED certificate, course work and training in the maintenance and repair of computer, electronic, telecommunication, fire and security detection system and audio-visual equipment.

License Requirement: Possession of a valid California Motor Vehicle Operator's License.

Condition of Employment: Insurability by the District's liability insurance carrier.