

CLASS SPECIFICATION
SAN DIEGO CITY CIVIL SERVICE COMMISSION
ELECTRONICS TECHNICIAN - 1443

DEFINITION:

Under general supervision, to install, adjust, maintain, and repair fixed and portable electronic and telemetry systems and equipment; and to perform related work.

*** EXAMPLES OF DUTIES:**

- Assembles, installs, tests, maintains, adjusts, and evaluates fixed and portable electronic, communication, and telemetry equipment test circuits, components, and elements;
- Install, tests, and repairs microprocessor-based control equipment;
- Tests circuits, elements, and components such as recorders, current sensors, pump controllers, alarms, power meters, relays, and other components related to telemetry systems;
- Installs, tests, and repairs process control equipment, security systems, and automatic pump station controllers;
- Diagnoses and repairs defective components and subassemblies using test equipment such as combination meters, frequency/deviation monitors and counters, oscilloscopes, and signal generators;
- Fabricates electronic device utilizing printed circuit board fabrication techniques;
- Constructs and modifies electronic devices and equipment;
- Makes field trips to ensure that systems and equipment are functioning properly;
- Tests, calibrates, and performs preventive maintenance;
- May construct and modify electronic devices and equipment;
- Prepares preliminary drafts of schematic and interconnection diagrams;
- Requisitions materials and estimates costs;
- Tests and evaluates new equipment;
- Maintains records and prepares reports;
- Leads apprentices and helpers.

MINIMUM QUALIFICATIONS:

Please note: the minimum qualifications stated below are a guide for determining the education, training, experience, special skills, and/or license which may be required for employment in the class. These are re-evaluated each time the position is opened for recruitment. Please refer to the most recent Job Description for updated minimum qualifications: <https://www.governmentjobs.com/careers/sandiego/classspecs>.

Successful completion of a four-year State-accredited Electronic or Communications Technician Apprenticeship Program; **OR** four years of full-time experience assembling, installing, and maintaining microprocessor-based control equipment, electronic

- * EXAMPLES OF DUTIES performed by employees in this class. The list may not include all required duties, nor are all listed tasks necessarily performed by everyone in this class.**

instrumentation and control equipment (e.g., distributive control systems or programmable logic controllers), security systems, video cameras, access control systems, or telemetry equipment, two years of which must include troubleshooting and repair experience at the component level; **OR** an Associate of Science or higher degree in Electronics Technology or Electronics Engineering, **AND** two years of experience as described above.