

CLASS SPECIFICATION

SAN DIEGO CITY CIVIL SERVICE COMMISSION

ELECTRONICS TECHNICIAN

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:

- Installs, maintains, adjusts and evaluates fixed and portable electronic and telemetry systems and equipment;
- Tests circuits, elements and components such as recorders, current sensors, pump controllers, alarms, power meters, relays and other components related to telemetry systems;
- Diagnoses and repairs defective components and subassemblies using such test equipment as combination meters, frequency/deviation monitors and counters, oscilloscopes, and signal generators;
- 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 Announcement for updated minimum qualifications.

Successful completion of a four-year State-accredited Electronic or Communications Technician Apprenticeship Program; **OR** four years of experience assembling, installing and maintaining microprocessor-based control equipment, electronic instrumentation and control equipment (e.g., distributive control systems or programmable logic controllers), 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. Possession of a valid California Class C Driver's license.

- * **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.