

**CLASS SPECIFICATION**  
**SAN DIEGO CITY CIVIL SERVICE COMMISSION**  
**SENIOR COMMUNICATIONS TECHNICIAN**

**DEFINITION:**

Under direction, to design, construct, install, test, modify, and maintain the most complex electronic communications systems; to instruct Communications Technicians in the more difficult and complex aspects of their work assignments; to lead the work of lower-level staff in the installation and repair of communication equipment; to assist staff engineers in conducting surveys and evaluations; and to perform related work.

**\* EXAMPLES OF DUTIES:**

- Designs, constructs, installs, tests, adjusts, and maintains fixed, mobile and portable VHF, UHF and microwave radio communication transmitters and receivers including radio pagers, radar speedmeters, digital and logic circuitry, microprocessor controlled devices, automatic receiver selectors, and remote control consoles and develops any technical data or other documentation;
- Assists in performing surveys on radio coverage, microwave paths, co-channel interference, intermodulation probability, Cable TV System performance, antennae selection and placement, and other related subjects;
- Designs and constructs components or systems for specific projects;
- Leads and advises lower-level staff on installation and maintenance tasks and provides guidance in the more difficult tasks and repairs;
- Assists in planning and scheduling training and may conduct training in new and current procedures of maintenance;
- Periodically reviews maintenance practices and standards to improve methods;
- Operates shop test equipment including oscilloscopes, frequency counters, signal generators, wattmeters, frequency and deviation monitors, electronic AC level meters, acoustic sound level meters, frequency-synthesized signal generators, and other microwave base-band test equipment.

**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 State-accredited four-year Electronic or Communications Technician Apprenticeship Program, **AND** one year of experience in all phases of work as a journey-level Electronics/Communications Technician which must include troubleshooting and repair experience at the component level. Possession of a valid FCC license specifying one of the following: Radio Telephone Operator's First or Second Class, Radio Telegraph Operator's First or Second Class, or a general Radio Telephone Operator's License. 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.