

## CLASS SPECIFICATION

### SAN DIEGO CITY CIVIL SERVICE COMMISSION

#### ASSISTANT ENGINEER - MECHANICAL

##### DEFINITION:

Under general supervision, to perform professional mechanical engineering work; to design and inspect mechanical and motive equipment; to check moderately complex building and engineering plans for mechanical design; and to perform related work.

##### \* EXAMPLES OF DUTIES:

- Performs professional level design, research and inspection of mechanical and motive equipment used in City facilities, vehicles, or activities;
- Performs controlled experiments on efficiency and expected life of mechanical, motive, and related equipment and materials;
- Recommends the replacement and acquisition of equipment;
- Prepares drawings and specifications for mechanical and motive equipment;
- Prepares cost estimates on assigned projects;
- Makes field inspections to assure compliance with plans and specifications;
- Checks engineering plans for conformance to a variety of Federal, State, and local mechanical codes as applied to buildings, vertical lift devices, ventilation and heating systems, motive equipment, thermal insulation, water, gas, and sanitary piping;
- Reviews engineering-related legislation for impact on City operations;
- Consults with architects and contractors regarding required plan modifications;
- Prepares reports and written recommendations.

##### 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.

College graduation with a Bachelor's degree in Mechanical Engineering or a related engineering field, **OR** certification as an Engineer-in-Training, **OR** registration as a professional Mechanical Engineer with a State Licensing Board; **AND** two years of professional mechanical engineering experience. Possession of 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.