

July 1, 1999

CLASS SPECIFICATION

SAN DIEGO CITY CIVIL SERVICE COMMISSION

JUNIOR ENGINEER - MECHANICAL

DEFINITION:

Under immediate supervision and in a training capacity, to perform increasingly responsible professional level mechanical engineering work; to check less complex building plans for mechanical design; and to perform related work.

* EXAMPLES OF DUTIES:

- Inspects, tests, and conducts research on mechanical equipment used in City activities;
- Performs control experiments on efficiency and expected life of mechanical equipment and related materials;
- Designs or adapts equipment for special uses;
- Advises mechanics and operators on mechanical repair or operating problems;
- Prepares specifications for mechanical equipment;
- Checks less complex building plans for conformance to mechanical and plumbing codes as applied to ventilation and heating systems, thermal insulation, water, gas, and sanitary piping;
- Calculates mechanical adequacy;
- Consults with architects and contractors regarding required plan modifications;
- Prepares reports.

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** registration as a professional Mechanical Engineer with a State Licensing Board; **OR** possession of an Engineer-in-Training certificate issued by a State Licensing Board.

- * **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.