

CLASS SPECIFICATION
SAN DIEGO CITY CIVIL SERVICE COMMISSION
JUNIOR ENGINEER – MECHANICAL - 1562

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, reviews, and verifies mechanical and hydraulic adequacy;
- Consults with engineers, architects, and contractors regarding required project and plan modifications;
- Prepares specifications and construction cost estimates;
- Assists with budgets;
- 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 Description for updated minimum qualifications: <https://www.governmentjobs.com/careers/sandiego/classspecs>.

Bachelor's Degree in Mechanical Engineering or a closely related field; **OR** Engineer-in-Training (EIT) Certificate issued from a State licensing board; **OR** registration as a Professional Mechanical Engineer with 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.**