

CLASS SPECIFICATION
SAN DIEGO CITY CIVIL SERVICE COMMISSION
ASSOCIATE ENGINEER – MECHANICAL - 1225

DEFINITION:

Under direction, to plan and supervise the work of professional engineers engaged in the design, review, and inspection of mechanical and motive equipment; to check highly complex building plans for mechanical design; and to perform related work.

*** EXAMPLES OF DUTIES:**

- Assigns work, gives instructions, and approves engineering standards, specifications, and designs for maintaining and constructing mechanical, motive, plumbing, heating and ventilating systems, air-conditioning (HVAC), water, gas, sanitary piping, energy conservation, noise control, fire sprinklers, electrical codes, and thermal insulation;
- Supervises field inspection to ensure compliance with plans and regulations;
- Confers with department heads, contractors, architects, and others concerning interpretations of plans, specifications, and standards;
- Performs needs assessments, determines priorities, makes cost estimates, and prepares work orders;
- Designs modifications to mechanical, marine, and motive equipment;
- Prepares annual budget estimates;
- Inspects work in process and upon completion;
- Coordinates work with operating divisions, lease holders, and governmental agencies;
- Reviews engineering related legislation for impact on City operations;
- Reviews complex building designs for conformance to a variety of mechanical codes and ordinances;
- Trains and rates the work performance of subordinates;
- 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>.

College graduation with a Bachelor's Degree in Mechanical Engineering or a closely related field; **OR** certification as an Engineer-in-Training (E.I.T.) issued from a state licensing board; **OR** registration as a professional Mechanical Engineer with a state licensing board, **AND** three years of full-time professional-level mechanical engineering experience. Qualifying professional-level experience must include: checking building plans for compliance with fire sprinkler, mechanical, and/or plumbing codes and standards;

- * 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.**

calculating, reviewing, and verifying mechanical adequacy; and providing information to engineers, architects, and contractors regarding plan modification, building regulations, and mechanical/plumbing design issues. Possession of a valid California Class C Driver's License.