

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.