

**CLASS SPECIFICATION**  
**SAN DIEGO CITY CIVIL SERVICE COMMISSION**  
**SENIOR MECHANICAL ENGINEER - 1830**

**DEFINITION:**

Under general supervision, to plan, direct, and supervise a mechanical engineering section responsible for managing consultant contracts for the design and construction of buildings and facilities; to serve as the department expert in matters relating to mechanical engineering; and to perform related work.

**\* EXAMPLES OF DUTIES:**

- Plans, assigns, and directs the work of professional level engineers responsible for managing consultant contracts for the design and construction of public buildings and facilities;
- Serves as the department mechanical engineering expert in the preparation of proposals, cost estimates, and design of heating, ventilation, and air conditioning (HVAC), plumbing, hydraulic, and other mechanical and electrical system plans of residential, commercial, industrial buildings, and/or other City facilities (such as water, water reclamation, wastewater treatment plants and landfills, and other mechanical systems and for compliance with applicable City, State, and Federal health, safety, and energy conservation regulations, and sustainable building systems);
- Coordinates work of the section with other engineering sections and divisions;
- Prepares and reviews Capital Improvement Program proposals;
- Prepares and negotiates contracts with consultants;
- Reviews design plans for mechanical systems;
- Resolves design and construction problems;
- Conducts cost/benefit analyses of mechanical systems;
- Researches and determines acceptability of new systems and methods of construction;
- Researches questions relating to mechanical, plumbing, and energy conservation codes and ordinances as well as alternative energy sources;
- Develops and writes applicable codes;
- Performs acoustical reviews;
- Writes reports and makes presentations to the Mayor's Office, Council Committees, and/or City Council regarding the status of projects;
- Trains, evaluates, and rates the work of subordinates.

**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

- \* 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.**

recruitment. Please refer to the most recent Job Description for updated minimum qualifications: <https://www.governmentjobs.com/careers/sandiego/classspecs>.

Current registration as a Professional Mechanical Engineer with the State of California, **AND** four years of full-time professional-level mechanical engineering experience. Qualifying professional-level experience must include checking building plans for compliance with mechanical and plumbing codes and standards; calculating, reviewing, and verifying mechanical adequacy; and providing information to engineers, architects, and contractors regarding plan modification, building regulations, and mechanical/plumbing design issues.