

STANISLAUS CONSOLIDATED FIRE PROTECTION DISTRICT  
JOB CLASSIFICATION

MAY 2020

ENGINEER

JOB DESCRIPTION

Employees within the Fire Engineer job classification operate as a member of a fire company to respond to fire, rescue, hazardous material, medical and other emergencies to protect life and property from the effects or potential effects of emergency conditions. Employees in this job classification drive, operate and maintain a variety of fire apparatus and firefighting equipment. Employees in this classification also respond to non-emergency events and participate in training, equipment and station maintenance, fire prevention and public education activities.

SUPERVISION RECEIVED AND EXERCISED

Employees in the Fire Engineer job classification are supervised by a Captain, Acting Captain, or higher-ranking officer. Employees within the Fire Engineer job classification do not supervise other employees.

EXAMPLES OF DUTIES

Duties may include, but are not limited to the following, which are listed in no order or significance:

- Drive all types of fire apparatus and other District vehicles to and from emergencies and other fire District activities that require the operation of fire apparatus and other vehicles.
- Operate pumps and other firefighting equipment at emergencies and during all other District activities that require the operation of fire apparatus.
- Inspect vehicles, equipment, and apparatus, including aerial lift and pumping equipment; perform maintenance and minor repair work; identify and assist in major repair and maintenance; maintain records of maintenance of apparatus and vehicles.
- Operate all types of portable emergency equipment including fire extinguishers, pike poles, hand lines, smoke ejectors, salvage covers, forcible entry tools, breathing apparatus, emergency medical equipment and other rescue equipment.
- Analyze and initiate basic life support care to the sick and injured.
- Respond to hazardous materials incidents and function within certified level of training.
- Participate in fire inspection and other fire prevention and public education activities; ensure that businesses are operating in compliance with the fire code; maintain appropriate records and files.
- Participate in public education activities including facility tours, career days, neighborhood programs and public education presentations.
- Attend training sessions which include firefighting techniques, hazardous material

response, emergency medical care, proper use of all equipment and related tools, strategy and tactics, policies and procedures and other didactic and manipulative training activities.

- Clean apparatus and equipment and perform general custodial duties as required.
- Assist in maintaining pre-fire plans; update maps as required.
- Respond to public complaints regarding weed abatement and fire and life safety hazards.
- Act as Fire Captain, as required, if qualified and assigned.
- Perform related duties as assigned.

### MINIMUM QUALIFICATIONS

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required.

#### Abilities and Knowledge

Ability to:

- Effectively and safely drive/operate the full range of fire apparatus/equipment used by the District. Perform field calculations of hydraulics for the proper and effective operations of equipment at emergency scenes.
- Understand and act in accordance with District policies, rules, and instructions.
- Learn and to apply firefighting and medical techniques and procedures.
- Demonstrate mechanical aptitude as required in the operation of firefighting equipment.
- Perform emergency medical practices and procedures at the level of a competent California State certified Emergency Medical Technician (EMT).
- Retain operational awareness in emergency situations.
- Think and act quickly and effectively in emergencies.
- Understand and follow oral and written directions promptly and accurately.
- Perform occasional heavy lifting up to 100 lbs. and physical maneuvering.
- Perform general office and clerical duties in support of assigned activities.
- Operate a computer and learn how to use general and job specific computer applications.
- Communicate effectively, both orally and in writing.
- Establish and maintain cooperative working relationships with coworkers and members of other public agencies.
- Work in communal environment that includes common sleeping, eating, and restroom facilities.
- Analyze fire and emergency conditions and employ effective courses of action.
- Maintain and test fire sprinkler systems and fire hydrants.
- Operate and maintain voice radio equipment.
- Rescue and evacuate victims from buildings, vehicles, and other entrapments.
- Pass required oral, manipulative, and written exams.

- Provide lead supervision over fire suppression personnel, when assigned.

Knowledge of:

- Principles, practices, and procedures of modern firefighting and firefighting vehicles, equipment, and apparatus.
- Principles, practices, and procedures of modern firefighting.
- Fire apparatus, equipment, tools, devices, facilities, and their proper use.
- Basic principles of hydraulics relating to fire equipment.
- Safe driving practices.
- Basic life support emergency medical principles and practices.

Experience:

Two years full-time paid firefighting experience or four years as an active reserve or volunteer. A combination of full-time experience and volunteer experience will be considered for internal candidates that are off probation.

Education:

Minimum of 30 semester units from a regionally accredited or FESHE-approved university or college.

Licenses and Certificates

- Valid Class A, B, or C California driver's license with Firefighter endorsement.
- Possession of a current State of California Emergency Medical Technician Certification.
- Possession of California State Fire Marshal Firefighter I Certificate.
- Possession of a current Health Care Provider Cardiopulmonary Resuscitation (CPR) card.
- ICS 100 and 200.
- Fire Apparatus Driver/Operator 1A and IB Certification.
- *External candidates will need to provide CPAT card obtained within six months of applying.*

DESIRED QUALIFICATIONS

- Demonstrated proficiency in college-level Math, Science and English. Examples of acceptable courses to meet the minimum education requirement include at least one semester of courses equivalent to or above Math 90, Biology 101, and English 101.
- Associate and/or Bachelor's degree from a regionally accredited or FESHE-approved university or college
- National Registry EMT Certificate or *Paramedic Certificate*
- ICS-300