

City of San José
CLASS SPECIFICATION

Title: Fire Engineer (2312)

DEPARTMENT	ACCOUNTABLE TO	FLSA STATUS
Fire	Fire Captain	Non-Exempt

CLASS SUMMARY

Drives, operates, and maintains fire equipment and apparatus. Assists in the suppression of fires, the conduct of fire prevention programs, and the enforcement of fire prevention codes and ordinances. Does related work.

DISTINGUISHING CHARACTERISTICS

Incumbents of this class typically receive supervision from the class of Fire Captain. In general, the duties and responsibilities, work sites, working conditions, scope and levels of skills and responsibility required are identical with those of the class of Firefighter, and reference may be made to that specification. In addition, incumbents are expected to successfully complete special schooling in motors, pumps, fire service hydraulics, and related special studies.

QUALIFICATIONS

(These qualifications are typically required. An equivalent combination of education and experience sufficient to satisfactorily perform the duties of the job may be substituted.)

Minimum Qualifications

Education and Experience

Graduation from high school or equivalent (General Education Development [G.E.D.] or California Proficiency Certificate) AND three (3) years of experience as a Firefighter in the San Jose Fire Department.

Required Licensing (such as driver's license, certifications, etc.)

- A valid State of California driver's license with firefighter endorsement is an employment requirement prior to being appointed to the classification of Fire Engineer in the City of San Jose, and must be maintained continually as a condition of employment.
- California State Fire Marshal Driver Operator 1A and 1B Certification, *OR* IFSAC/Proboard Driver Operator Certification.
- San Jose Fire Department (SJFD) Fire Engineer Manipulative Skills Sign Off certification in accordance with SJFD Training Operations Policies and Procedures Section 3.31.20 Career Development Program.

Other Qualifications

(Incumbents may be required to have different combinations of the listed qualifications, or more specific job-related qualifications depending on the position.)

Knowledge of:

- Operation and maintenance of fire equipment and apparatus.
- Technical firefighting techniques and the principles of hydraulics as applied to fire suppression.
- Modern firefighting methods.
- Fire prevention and safety principles; methods, rules, codes, regulations and ordinances; and departmental rules and regulations.

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Desirable Qualifications

(Knowledge, skills and abilities that are more position specific and/or likely to contribute to more successful job performance.)

Ability to:

- Perform maintenance and minor mechanical repairs to equipment and apparatus.
- React quickly, calmly, and efficiently in emergency situations.
- Recognize fire hazards common to places of public assemblage and to manufacturing and residential buildings.
- Render first aid as required.
- Understand and follow oral and written instructions.
- Work effectively and harmoniously with others.

DUTY NO.	<u>TYPICAL CLASS ESSENTIAL DUTIES:</u> (These duties and estimated frequency are a representative sample; position assignments may vary depending on the business needs of the department.) Duties may include, but are not limited to, the following:	FRE-QUENCY*
1.	Responds to fire and other emergency alarms by driving assigned vehicle to required location.	Continuous
2.	Operates fire equipment and otherwise assists in the suppression of fires and in the protection of life and property.	Continuous
3.	Assumes primary responsibility for the servicing and maintenance of assigned fire equipment.	Continuous
4.	Subject to emergency call while off duty.	Continuous
5.	Assists in the maintenance of fire station and surrounding grounds.	Frequently
6.	Participates in the continuing training and instruction program by individual study of technical material and attendance at scheduled drills and classes.	Frequently
7.	Studies and becomes familiar with district streets, fire hydrants, building occupancy and contents, and the location of fire alarm boxes.	Frequently
8.	Compiles and submits information and reports on equipment runs, accidents, gas and oil usage, apparatus inspections, tests, and conditions.	Frequently
9.	Formulation of pre-fire plans of target hazards, school and hospital fire drills, voter registration, and various other community relations activities.	Frequently
10.	Instructs other fire personnel in the operation and care of fire apparatus and related equipment.	Occasionally
11.	Conducts spring and fall home fire inspections; participates in monthly distribution of emergency telephone stickers, formulation of pre-fire plans of target hazards, school and hospital fire drills, bicycle licensing, voter registration, and various other community relations activities.	Occasionally
12.	Inspects buildings, theaters, schools, hospitals, factories, places of public assemblage and storage, and residential units to determine and enforce compliance with safety laws and ordinances.	Occasionally

*Frequency defined as %, (totaling 100%) *or* “Continuous” (daily or approximately 20%+), “Frequent”(weekly or approximately 15%+), “Occasional”(monthly or approximately 10%+), “As Required”(Intermittent or 5% or less)

CLASSIFICATION HISTORY Rev. 7/80, Rev. 6/84, Rev. 3/92, Rev. 4/92, Rev. 8/97, Rev. 6/13, Rev. 10/16;
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