



# **FIRE ENGINEER**

## **DEFINITION**

Under general direction from the Fire Chief or Fire Captain, performs fire fighting, emergency medical care, participates in public education activities and/or fire prevention activities, responds to public service incidents, cares for station, fire apparatus and related fire equipment, participates in training activities and performs other related duties as assigned.

## **DISTINGUISHING CHARACTERISTICS**

This classification is distinguished from Volunteer Fire Engineer in that tasks include giving directions, performing more complex assignments, being a State of California certified FireFighter I and possessing State of California EMT certification.

## **ESSENTIAL JOB FUNCTIONS**

Duties may include, but are not limited to, the following:

- ▶ Responds to fire and other emergency incidents.
- ▶ Operates fire equipment and assists in the suppression of fire.
- ▶ Assists with fire prevention activities.
- ▶ Administers emergency medical care and rescue.
- ▶ Tests and maintains fire equipment.
- ▶ Maintains fire station and grounds.
- ▶ Answers telephone and radio equipment as needed.
- ▶ Participates in related training programs and drills.
- ▶ May act as Company Officer on a temporary basis.
- ▶ Learns and performs related duties as assigned.
- ▶ Completes and maintains apparatus records.
- ▶ Ability to drive and work in inclement weather.

## **QUALIFICATIONS**

### **Knowledge of:**

Knowledge of:

- ▶ Principles, practices and techniques of fire suppression and prevention activities.
- ▶ Principles, practices and skills of emergency medical care, including Cardio Pulmonary Resuscitation (CPR) and Automatic External Defibrillation (AED).
- ▶ Basic fire hydraulics and math.
- ▶ Basic principles of mechanics.
- ▶ Basic principles of Incident Command System.
- ▶ Knowledge of streets and hydrants within the City limits.

**Ability to:**

Read, understand and apply a variety of fire suppression, prevention information and materials; perform a variety of physical and mechanical operations; reason and act decisively, quickly and calmly in emergency situations; evaluate complex emergency situations when not directly supervised; perform prolonged arduous work under adverse and often dangerous conditions; learn a wide variety of fire fighting duties and methods and the use of fire fighting equipment within a reasonable period of time; provide proper emergency medical care, including CPR and AED, and be able to utilize rescue equipment available at scene; understand and follow oral and written instructions; perform routine maintenance chores at the fire station; establish and maintain routine records; establish and maintain effective working relationships with co-workers and the public; must demonstrate physical strength and agility sufficient to perform the work. Must show proficiency in all monthly probationary period study topics, as determined by monthly testing.

**Experience and Training:**

Sufficient training and experience which demonstrates the possession of the knowledge and abilities required to perform the essential job functions.

*Experience note:* It is anticipated that the education and experience shown below will meet the minimum requirements for the classification of Fire Engineer.

- ▶ Graduation from high school or passage of the high school level General Education Development (GED) Test.
- ▶ Must have a minimum of two (2) years of current full time/paid municipal fire fighting experience with an organized fire agency or four (4) years of current part-time or volunteer fire fighting experience with an organized fire agency or two (2) years current full-time experience in a qualifying Intern Program(s) and completion of a qualifying task book. Current experience is usually interpreted to mean full time experience obtained within the last two (2) years or part-time or volunteer experience obtained within the last four (4) years.

**Preferred Education and Experience:**

- ▶ Certified by the State of California as a Fire Officer I.

**License or Certificate:**

- ▶ Must be certified by the State of California as a Firefighter I.
- ▶ Must be currently certified as a State of California EMT, including a current AED/CPR certification.
- ▶ Must possess a minimum of a valid California Class C Driver's License with a Fire Fighter endorsement, including Driver/Operator 1A or equivalent. Within one year of appointment, must possess a valid California Commercial Class A or B Driver's License with a tank endorsement, including Driver/Operator 1B or equivalent.
- ▶ IS700 (NIMS) and IS800 (NFR) must be obtained within one (1) year of appointment.

## **WORKING CONDITIONS**

Work as needed, with little or no advance notice; work during emergency events in adverse environments; work in intense life-threatening conditions; drive/work in inclement weather conditions; be subjected to exposure of hazardous materials, dangerous persons, bodily fluids and noise; running, walking, crawling, climbing, stooping, twisting, bending, lifting and sitting for long periods of time. Work in an office environment; sustained posture in a seated position for prolonged periods of time.

A person in this position must be free from any physical, emotional or mental condition which might adversely affect the ability to perform the essential job functions. A person in this position must be able to pass written, oral and physical agility examinations; a physical examination (*including drug screen*) performed by a physician; a psychological evaluation; and must submit to a background (*including fingerprint scan*).