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## **FIRE ENGINEER**

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### **DEFINITION**

Under general supervision, protects public safety, health and welfare by responding to fire, emergency medical and hazardous materials incidents calls for service; drives, operates and maintains equipment and apparatus.

### **SUPERVISION EXERCISED**

None; however, trains subordinate personnel and volunteers.

### **EXAMPLES OF DUTIES**

*Duties may include but are not limited to:*

Drive fire vehicles to and from fire and other emergencies ensuring safety of personnel, the public and equipment; position fire apparatus and other units at site of emergency.

Respond to fire calls for service, attach hose lines, locate hydrants, direct water stream or chemicals to fire, set up ladders; operate pumps at proper pressures, evaluate adequacy of water system and supply; maintain radio contact with dispatch and other units.

Perform fire extinguishment, ventilation, rescue, clean up and salvage work.

Respond to emergency medical calls for service, follow State and local protocols in treatment of sick and injured persons administering First Aid, CPR and other emergency medical procedures.

Maintain inventory of emergency medical supplies and equipment.

Inspect, clean and maintain fire facilities, equipment and apparatus assuring pristine condition; maintain vehicle and equipment records.

Perform a variety of mechanical, plumbing, carpentry repair work to maintain fire station, tools, equipment and apparatus.

Train subordinates and reserves in the use, care and operation of equipment.

Participate in company inspections and training activities; conduct tours of station facilities; present fire prevention programs.

Complete reports and inputs data.

May serve as Acting Fire Captain.

Assist and cooperate with other public safety agencies.

Perform related duties as assigned.

**KNOWLEDGE, ABILITIES AND SKILLS**

Federal, State, and local laws and radio communications procedures.

City's geography and that of the surrounding area.

Fire prevention and inspection methods, fire hazards and techniques used in educational fire prevention programs.

Fire Code and fire/arson investigation techniques.

Public safety agencies as related to fire and emergency medical services functions.

Ability and Skill to:

Read and understand technical material, rules and regulations related to firefighting, rescue techniques and emergency medical incidents.

Compute engine and nozzle pressures.

Read electrical, gas, water and propane valves.

Perform a variety of repair duties such as painting, plumbing, mechanical and related work.

Analyze emergency situations and address with an effective course of action.

Tactfully interact with members of the public.

Safely operate and use fire vehicles and equipment.

Work in a team and disciplined environment.

Communicate clearly both orally and in writing.



## **QUALIFICATIONS**

*Any combination of education and experience that would provide the required knowledge, abilities and skills is qualifying. A typical way to obtain the qualifications would be:*

High School graduation and completion of 15 college units in fire science and two (2) years municipal firefighting experience. AA/AS highly desirable.

## **LICENSE OR CERTIFICATE**

Valid Class A, B or Firefighter's Class C California Driver's License with firefighter endorsement and good driving record; EMT-I and CPR certification; State Certification as an Apparatus Operator.

## **ESSENTIAL JOB FUNCTIONS/A.D.A.**

Ability to operate computer, calculator, telephone, portable radio, copying machine and equipment used in fire suppression and emergency medical services

Ability to understand and respond to the public's and staff's requests for assistance both on the phone and in person

Ability to prepare reports, perform mathematical calculations and sort/file documents

Ability to sit, stand, walk for two hours at a time and engage in fire suppression activities

Ability to work outdoors in all weather conditions including hot with extreme sun exposure, cold and wet

Ability to lift, drag or pull up to 150 pounds

Ability to climb, stoop, bend, reach, twist, squat, grasp, run, jump, kneel and lift, drag and pull heavy objects.

Ability to get from one location to another in the course of doing business

