

FIRE ENGINEER

DEFINITION

Under direction, the fire engineer drives, operates, and maintains firefighting apparatus and equipment; supervises the work, training, and discipline of fire personnel; and does related work as required.

ESSENTIAL JOB FUNCTIONS

The following duties are essential for this position and may include, but are not limited to, the following:

Drives fire apparatus to fire scenes and other emergency situations; positions apparatus in a proper manner to sustain firefighting activities; operates engine-pumping equipment and participates in activities including protecting exposures, extinguishing fires, ventilation, salvage, overhaul, rescue, and other firefighting operations; inspects assigned apparatus and equipment to make sure they are operating properly; makes arrangements to assure that apparatus is maintained and serviced at regular intervals and when needed; checks tires, lights, batteries, gas, oil, water, and lubrication on apparatus daily and maintains a complete inventory of all assigned equipment; maintains daily log reflecting the servicing done on the apparatus and equipment; participates in inspections of residential and commercial buildings for fire prevention and pre-fire planning purposes; participates in special drills and other training activities. May be required to work shifts, weekends and/or holidays.

QUALIFICATIONS

Training and Experience: Must have high school diploma or G.E.D., satisfactorily completed at least fifteen (15) fire science units and have two years of fire science experience.

License and Certification: Must possess a valid California Firefighter's Class B driver's license. Employees hired after September 20, 1994, must have a current California EMT certificate.

Special Condition of Employment: Employees hired after January 7, 1986 cannot have smoked or used tobacco products up to one year prior to employment and must continue as a non-tobacco user during employment.

Knowledge, Skills, and Abilities: Requires considerable knowledge of modern fire prevention, suppression, hazardous materials, and emergency medical principles, procedures, techniques, and equipment; considerable knowledge of building, electrical, mechanical and fire codes; skill in operating department tools and equipment including the emergency medical unit, fire apparatus, fire pumps, hoses, and other standard firefighting equipment, ladders, first aid equipment, radio, pager, personal computer, and telephone. Must have the ability to train and supervise subordinate personnel in the duties of their position; read and write in the English language; perform strenuous or peak physical effort during emergency, training, or station maintenance activities for prolonged periods of time under conditions of extreme heights, intense heat, cold, or smoke; act effectively in emergency and stressful situations, follow verbal and written instructions; communicate effectively orally and in writing; and establish effective working relationships with employees, other agencies, and the general public.

PHYSICAL DEMANDS AND WORKING ENVIRONMENT

While performing the duties of this job, the employee is frequently required to stand; walk; use hands to finger, handle, or operate objects, tools, or controls; reach; climb; balance; stoop, kneel, crouch, or crawl; talk or hear, taste or smell; and occasionally lift or move more than 100 pounds.

This position requires specific vision abilities, including close vision, distance vision, color vision, peripheral vision, depth perception, and the ability to focus on small objects.

The employee regularly works outside and may be exposed to variable weather conditions; occasionally works near mechanical parts and in high, precarious places and may be exposed to wet and/or humid conditions, fumes, or airborne particles, toxic or caustic chemicals, risk of electric shock, and vibration.

The noise level in the work environment is usually moderate, except during certain firefighting or emergency medical aid activities when noise levels may be loud.