

FIRE ENGINEER

DEFINITION

Occupants of this classification are in the classified service. This classification has specialized responsibility for the operation and maintenance of fire suppression equipment, rescue equipment, and fire apparatus, but also has responsibility for firefighting, lifesaving, fire prevention, and other fire service activities.

SUPERVISION RECEIVED AND EXERCISED

The positions assigned to this classification normally work as a team member of a fire response company, and report to a Fire Captain. Fire Engineers may supervise the work of Firefighters.

ESSENTIAL JOB DUTIES

The following tasks are essential for this position. Incumbents in this classification may not perform all of these tasks, or may perform similar related tasks not listed here.

1. Responds to fires with their company by driving fire apparatus quickly and safely to the emergency. Operates fire apparatus making hydrant, pump, and suction hose connections, and operates the fire apparatus to supply water in proper quantities and pressures to gain effective control of the fire.
2. Assures that fire apparatus are safe and ready for service and apparatus equipment is secure through regular and preventative maintenance.
3. Maintains a current and thorough working knowledge of the operation of all fire apparatus. Maintains familiarity with departmental practices and procedures relative to water supply and hose streams.
4. Rescues persons endangered by fires or other hazards and administers first aid to injured parties. Quickly analyzes situations where life safety is threatened and applies the correct treatment approach.
5. Responds to emergency rescue calls providing emergency medical services as an EMT-1.
6. Functions well as a team member of a fire company at any emergency or non-emergency scene and willingly accepts his/her share of the work required.
7. Maintains an adequate level of physical fitness to meet the physical requirements required to perform firefighting tasks and willingly participates in the department's physical fitness program.
8. If assigned, may perform paramedic duties.

MARGINAL JOB DUTIES

The following tasks are typically performed by individuals in this classification but are not considered less than essential.

1. Conducts inspections and other fire prevention tasks to eliminate or reduce fire hazards and enforce fire codes. Correctly applies fire codes in inspections.
2. Keeps the fire station and related grounds, facilities, and supplies in a clean, orderly, and usable condition.
3. Performs routine non-firefighting work tasks willingly and adequately.

MINIMUM KNOWLEDGE, SKILLS AND ABILITY

Knowledge of:

- The principles and practices of firefighting, fire prevention, emergency medical service, and fire apparatus operation and maintenance.
- Hydraulics.
- Departmental policies and regulations.
- City geography.
- Basic English and arithmetic.
- Functions, characteristics, and proper use and maintenance of firefighting equipment and supplies.
- Current laws and regulations pertaining to fire prevention and safety.
- Fire hazards and firefighting resources.
- Local water, sprinkler, and standpipe systems.
- First aid and rescue methods.
- Use of current rules and laws of fire equipment operation.

Skill and Ability to:

- Work and live as a member of a team and give and follow directions in an emergency setting.
- Motivate, direct, and evaluate personnel as well as utilize other basic supervisory techniques.
- Follow verbal and written instructions.
- Effectively apply firefighting, rescue, and emergency medical techniques.
- Establish and maintain effective working relationships.
- Think and act quickly and competently in emergencies and under stress.
- Apply all aspects of firefighting, rescue, fire apparatus operation and maintenance and other relevant techniques; deal and communicate with others; prepare reports.
- Perform the strenuous and agile physical requirements of the essential duties.
- Meet the vision and medical requirements of the classification.

LICENSE AND CERTIFICATES

Possession of a valid California class "C" driver license with Firefighter endorsement and medical certificate. By completion of a one (1) year probationary period must possess a ~~hazardous materials endorsement~~, and an EMT-1 certificate. Paramedic certification is required for those performing paramedic duties.

TRAINING AND EXPERIENCE

Any combination of training and experience that could likely provide the required knowledge, skills, and abilities would be qualifying. A typical way to obtain the knowledge, skills, and abilities would be: Four (4) years of experience as a full time Culver City Fire Department Firefighter, or, two (2) years as a Culver City Fire Department full-time paid firefighter plus two (2) years as a full-time paid firefighter with another municipal fire department, and an Associate of Arts Degree from an accredited college in fire science or 15 college semester units (one course must be in hydraulics or driver and one course in apparatus or driver; the remaining units must be in core classes required for a degree such as fire science, English, math, geography, science, psychology, philosophy, etc., or directly related elective classes such as coursework in supervision, management, humanities, etc. Classes approved through the California Fire Service Training and Education System (CFSTES) will receive a credit of 2 semester units per 40 hour class toward the 15 semester unit minimum requirement. Successful completion of the "Qualified Apparatus Driver" section in the Culver City Fire Department task book.

PHYSICAL REQUIREMENTS AND WORKING CONDITIONS

- Require the use of continuous and short bursts of muscle force to jump, sprint, and climb ladders.
- Require the ability to pull victims out of hazardous areas.
- Require the ability to run up and down stairs carrying one hundred pounds or more of equipment.
- Require the ability to lift, push, pull, or carry objects using his/her hands, arms, back abdominal muscles, shoulders, or legs.
- Require the ability to exert his/herself physically over a long period of time without giving out.
- Require the ability to work effectively during unavoidable exposure to an unpleasant environment with exposure to potentially heavy and somewhat unpredictable hazards.
- Require the ability to safely wear a self-contained breathing apparatus without medical or physical restriction.
- Require the ability to move his/her body quickly while keeping his/her balance on surfaces offering narrow footing such as roof beams.
- Require the ability to clearly see objects with vision no worse than 20/100 in each eye without glasses and 20/40 in each eye with glasses.
- Require the ability to withstand prolonged exposure to extreme heat.