GENERAL PURPOSE
A Fire Engineer drives fire engines and other automotive equipment in response to fire and emergency calls; operates fire pumps and other apparatus; assists in the suppression of fires; is responsible for inspecting and maintaining equipment; participates in fire prevention inspections and does related work as directed.

DISTINGUISHING CHARACTERISTICS
The Fire Engineer is a non-exempt position that functions under the direction of the Fire Captain.

ESSENTIAL FUNCTIONS
The duties, skills, and demands described herein are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with a disability to perform the essential duties, skills, and demands.

Duties:
Responds to fire and other emergency alarms by driving assigned Fire Department apparatus or other automotive equipment to required locations.

Assists in the suppression of fires and in the protection of life and property; operates resuscitators and administers first aid, CPR, and/or paramedic services.

Assumes primary responsibility for the inspection, servicing, and maintenance of assigned fire equipment and apparatus including apparatus testing, hose testing, and hydrant testing; for cleanliness of vehicles, apparatus, equipment, and station areas as assigned.

Inspects commercial and residential structures as part of the fire department responsibility to ensure compliance with federal, state and local fire prevention laws and regulations.

Performs any basic fire fighting duty including laddering, forcible entry, rescue, first aid, ventilation, exposure protection and salvage work as required.

Assists in supervision of all activities of a fire company including all necessary items to restore the vehicle or apparatus to a response-ready condition after emergency alarms.

Participates in department training, trains or assists in training regular firefighters, probationary firefighters, and/or temporary firefighters, cadets, etc.
Performs fire prevention, business license inspection, investigation activities as required and issues notices of violation as required; performs and prepares fire demonstrations for public education specialized training.

Prepares and maintains records and reports; maintains current knowledge of Federal, State, and Local laws, ordinances and regulations that are directly related to the department.


Maintains current knowledge of the geography of the city including all streets, roads and landmarks;

May be subject to recall when off duty.

Maintains a courteous and considerate relationship with the general public, city officials, supervisors, and fellow employees.

QUALIFICATIONS

To perform this job successfully, an individual must be able to perform the essential duties satisfactorily; must be at least 18 years of age; and must pass a comprehensive written exam, oral exam, and field (practical) exam. The following requirements are representative of the knowledge, skills and/or abilities required.

Knowledge, Skills and Abilities:

Knowledge of

Elementary physics, chemistry, and mechanics; fire fighting techniques; fire department pumping apparatus; fire stream practices; water supplies and location of major storm drains.

Principles of hydraulics applied to fire suppression; design, use, and maintenance of fire equipment and apparatus.

Departmental rules and regulations, operations manual, policies and standard operating procedures; federal, state, and local laws and regulations governing fire prevention and safety.

Modern fire prevention and suppression methods; location of target hazards; the geography of the City and the location of water mains and fire hydrants.

First aid, CPR and the operation of inhalators and resuscitators.

Skills/Abilities

Operate fire engines, pumpers, and other large equipment safely, efficiently, and effectively under all conditions.

Maintain effective working relationships with fellow employees and the public; deal effectively and courteously with the public.

Read and understand legal and technical materials relating to fire fighting, fire prevention, emergency medical treatment, and departmental regulations.

Apply elementary principles of chemistry and physics to fire fighting problems; understand and follow written and oral directions under stress and pressure.
Work effectively under emergency conditions and use sound judgment under hazardous circumstances; react quickly and calmly in emergency situations; work alone or as a member of a crew.

Perform prolonged and arduous work under adverse conditions with endurance and perseverance.

Communicate clearly and concisely, orally and in writing.

**Education and Experience:**
Any combination equivalent to the education and experience likely to provide the required knowledge and abilities would be qualifying. A typical way to gain such knowledge and abilities would be:

**Education**
Education equivalent to a high school diploma; completion of college level course in Fire Hydraulics or its equivalent with a grade of “C” or better; State Fire Marshal certified Driver/Operator 1A and 1B.

**Experience**
Two (2) years of experience as a full-time firefighter/paramedic with the City of San Marino Fire Department.

**Licenses/Certificates**
Must possess and maintain a valid Class B Commercial California Driver’s License as a condition of continued employment.

Paramedic Certification as condition of continued employment.

**Other**
The probationary period for this position shall be a period of twelve (12) months following appointment. Candidate will be entirely tobacco free and will not use tobacco products at any time during employment.

**Physical Demands and Work Environment:**

**Physical Demands**
The physical demands described are representative of those that must be met by an Employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this job, the employee is regularly required to talk and must be able to hear pager, radio communications, human voice, and sirens. Employee is frequently required to sit, stand, and walk for long periods of time; use hands and fingers to manipulate, handle or feel objects, tools, or controls; reach with hands and arms, climb or balance, stoop, kneel, or crouch.

Employee must occasionally lift and/or move up to 180 pounds; perform duties requiring physical endurance and agility. Specific vision abilities required by this job include the ability to see well in difficult conditions, i.e., night time driving, smoke conditions. Must be able to read fine print and work at a computer work station, read maps. Close vision, distance vision, peripheral vision, depth perception, and the ability to adjust, focus, and be free from color blindness.
Work environment
Characteristics described are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this job indoors, the work environment is generally in a temperature controlled office.

While working outdoors, the employee may be exposed to noise, vibration, extreme heat, and/or humidity, dust, flammable liquids, gas or fumes, at all times of day and in all weather conditions and is routinely exposed to hazardous situations such as smoke and products of combustion, chemicals, and gases on emergencies that may result in injury, and/or death.

Noise level in the work environment is usually moderate but the employee may occasionally be exposed to high level noises including but not limited to emergency vehicle sirens, radio traffic, road traffic, fire engine pumps, shouting, and yelling.

Department: Fire Department
FLSA Status: Non-Exempt
Revised: 7/1/13