

FIRE ENGINEER**Definition:**

Under varying levels of supervision drives, operates, and maintains Fire Department apparatus including pumpers, aerial ladders, wildland engines, aid vehicles and other equipment; participates in all phases of emergency operations to include fire suppression, medical care, and hazardous materials abatement; performs fire prevention inspection, participates in and presents public education programs; participates in training activities, station and equipment maintenance and performs related work as required.

Essential Duties and Responsibilities:

The following responsibilities and essential duties are performed on a frequent and recurring basis by an incumbent. These are not to be construed as exclusive or all-inclusive. Other duties may be required and assigned.

Drives fire apparatus, aid vehicles, and other City vehicles to emergency scenes and other locations as needed.

Provides for the safety of other vehicles, pedestrians, and fire suppression staff when en route.

Operates a pumping engine, calculates correct pump pressure to ensure required water pressure and coordinates the use of available water supplies used for extinguishing fires.

Operates an aerial ladder for both rescue and elevated stream operations and calculates safe climbing angels based upon manufacturer's recommendations.

Assumes responsibility of assigned apparatus in the absence of a Fire Captain.

Assumes responsibility for operation of pumps, inspects pump motor, and cleans and maintains hoses carried on vehicles.

Responds as a team member on an assigned company for emergency and non-emergency operations.

Performs firefighting activities to include laying hose, setting ladders, rescue work, ventilation, and fire combat/containment/extinguishment tasks.

Follows the instructions of the Fire Captain/supervisor-in-charge or standard procedures while performing all duties.

Participates in all aspects of Fire Department activities to include fire suppression, hose evolutions, laddering, use of special equipment, hazardous materials abatement, medical aid, and fire prevention.

Assists in the planning of and participates in drills and other training activities to learn and improve firefighting tactics.

Inspects single story, multi-story and high rise commercial/industrial building, private and public facilities to determine compliance with fire safety codes and ordinances.

Enforces fire safety codes via the issuance of notices, warnings, and written evaluations.

Participates in routine non-emergency activities to include fire prevention inspections, code enforcement and drills/training.

Participates in and presents educational and public relations programs to the community on safety, fire prevention, and other topics.

Performs salvage operations to include sweeping water and removing debris.

Operates a variety of hand and power tools.

Performs in-station activities to include cleaning and washing walls and floors, maintaining living areas, caring for station grounds, making minor repairs to the station, requisitioning supplies, and assisting with meal preparation.

Washes, cleans, polishes, maintains, and tests apparatus and equipment, makes repairs to apparatus/equipment, and writes up and submits repair requests.

Lifts and moves objects weighing 75 pounds or less on a regular basis, performs strenuous physical activities and in an emergency drags or carries victims.

Responds to emergency incidents off-duty when requested.

May perform Paramedic duties as assigned.

Other Duties and Responsibilities:

Performs other projects/tasks as assigned.

Assists in supervising/training probationary Firefighters.

Class Characteristics:

Fire Engineer is a safety class with duties related specifically to the protection of life and property under emergency situations.

Qualification Guidelines:

The knowledge and abilities which are required to perform the duties and responsibilities of this class are as follows:

Knowledge of:

Effective suppression techniques and firefighting principles.

Safe fire apparatus driving techniques and effective fire suppression pump operation and aerial ladder operation practices and methods.

English usage and grammar.

City geography and the location of fire hydrants.

Techniques for providing a high level of customer service.

Modern office practices, methods, and computer equipment and applications related to the work.

AND

Ability to:

Perform activities requiring good physical condition.

Learn the operation of additional firefighting/rescue techniques and equipment as required.

Work independently, understand, and follow verbal and written directions, use independent judgment and initiative, and make sound decisions in accordance with established procedures and policies.

Communicate effectively orally and in writing.

Read and write at the level required for successful job performance.

Establish and maintain effective relationships with those contacted in the course of work and live cooperatively with peers and supervisors.

Handle job stress and exercise self-control and good judgment in emergency/hazardous situations.

Meet the public with courtesy and tact.

Education and Experience:

Any combination of education, training, and experience that would likely provide the knowledge, skills, and abilities to successfully perform in the position can be considered as qualifying. A typical combination includes:

Graduation from high school.

Graduation from a State of California accredited fire academy with at least 400 hours of training. The 400 hours of training shall not include EMT or medical training.

Three years of paid firefighting experience and current status as a Firefighter with the Fullerton Fire Department or comparable organization.

Some completed coursework towards an associates or bachelor's degree from an accredited college or university with a major in Fire Science, Fire Administration, Management, Public Administration, or a related field is preferred but not required.

Special Requirements Include One of the Following:

Status as a current City of Fullerton employee AND valid Fullerton Fire Department Engineer Driver/Operator Certification at time of application.

One year as a Fire Engineer with a comparable agency AND proof of completion of California State Fire Training Fire Apparatus Driver/Operator 1A and Fire Apparatus Driver/Operator 1B at time of application.

In addition to the Special Requirements above, the following are also required:

Valid and appropriate California Driver's License with the necessary California Department of Motor Vehicle Endorsement/Restriction required for operating firefighting equipment and acceptable driving record at time of application and maintenance of such throughout employment in this position. Note: A driving permit is not acceptable. Employees in this classification will be enrolled in the Department of Motor Vehicles Government Employer Pull Notice Program.

Completion of nine or more units from an accredited college or university in Fire Science, Fire Administration, or a related field beyond the Basic Fire Academy.

Successful completion of a City-approved physical ability test within the six months prior to appointment. This requirement will be waived for current City of Fullerton suppression personnel.

Eyesight not less than uncorrected 20/100, correctable to 20/30 with contacts or glasses. Must have color vision sufficient to recognize red, green, and yellow colors.

Must be able to work a variety of shifts and a flexible schedule to include 40-hour, 56-hour, and other workweeks, consecutive 24-hour shifts, overtime, emergency call back, holidays and weekends to accommodate City needs.

Valid and appropriate Red Cross or American Heart Association cardiopulmonary resuscitation (CPR) certification at time of application and throughout employment in this position.

Valid State of California approved Emergency Medical Technician (EMT) 1 or EMT Fire Service Certificate at time of application and throughout employment in this position.

Per California Government Code §3100 - 3109, all public employees are declared to be Disaster Service Workers and must take and subscribe to the oath or affirmation as required.

Physical Tasks and Working Conditions Include the Following:

Work is performed indoors and outdoors. When work is performed outdoors there is full exposure to the elements. An incumbent drives a fire apparatus and other vehicles on City

business and performs physical activity and labor requiring physical strength and endurance. An incumbent sits, stands, walks and runs on slippery and uneven surfaces, kneels, crouches, twists, reaches, lays dry and charged hoses, carries, raises and lowers a variety of ladders; works from ladders while carrying equipment; rappels down elevated areas; climbs stairs, ladders and inclines while carrying equipment; works on rooftops, multi-story buildings and at various heights; ventilates roofs, rescues injured persons from hazardous areas by assisting, carrying or dragging the victim(s); climbs over walls, fences, through windows; crawls through confined spaces and conducts searches. An incumbent uses a variety of hand and power tools and equipment to include rotary and chain powered saws, sledgehammers, shovels, picks, hoists, axes, ropes, hydraulic rescue tools, pike poles, prying tools, rubbish hooks, hose lines and bundles, fire extinguishers, air bottles and breathing apparatus. An incumbent pushes, pulls, drags, grasps, lifts and carries items and works at shoulder level with hoses and other items weighing 75 pounds or less and drags or carries victims as needed. Incumbents performing first aid and paramedic tasks may also be exposed to human injury health hazards to include blood and other bodily fluids/products, communicable diseases, and human-borne parasites. When fighting a fire, incumbents work in a hot, smoky, or toxic atmosphere close to flames. Incumbents will also be exposed to extreme noise, wet or damp conditions, grease/oil, fumes, solvents, a variety of chemicals, mechanical and electrical hazards, vehicle hazards and vibration. Incumbents must be able to meet the physical requirements of the class and have mobility, balance, coordination, vision, hearing, sense of smell, and dexterity levels appropriate to the duties to be performed.

Fair Labor Standards Act Designation: Non-exempt.

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