

Jackson Fire Department Fire Engineer

Summary Description:

Under the supervision of higher level supervisory and management staff, the Fire Engineer operates and maintains fire apparatus and other fire agency equipment; responds to fire alarms and other emergency and non-emergency calls to protect life and property; provides basic life support and medical assistance; and conducts fire prevention inspection and public education programs.

Description

A person assigned to the Fire Engineer classification is trained in fire suppression and emergency medical care and is engaged to the prevention, control, and extinguishment of fires and response to emergency situations where life, property or the environment is at risk. The Fire Engineer also responds and renders aid in non-emergency situations as required.

REPRESENTATIVE DUTIES:

The following duties are typical for this classification. Incumbents may not perform all of the listed duties and/or may be required to perform additional or different duties from those set forth below to address business needs and changing business practices.

- Supervises lower level firefighter classifications
- Drives, operates and locates fire apparatus and other fire related equipment at fire scenes; set, controls and directs the flow and pressure of water to fire.
- Responds to all fire alarms, takes command at the scene of an emergency until the arrival of a higher level supervising officer
- Operates airway equipment, EMT-1 related equipment, radios, generators, smoke ejectors, etc.; administers first aid; lays and connects hose lines; holds nozzles and directs water streams; raises and climbs ladders; enters burning buildings to remove persons from danger; uses portable extinguishers, axes, bars, hooks, lines, power tools, and other equipment. Spots the equipment; sets up for pumping or drafting; sets and adjusts controls on the apparatus to deliver required water pressures and flow.
- Conducts drills and training sessions.
- Lays hose lines and supply lines; ventilates buildings to release heat and smoke; places salvage covers to prevent water damage; overhauls and cleans up after a fire; checks for fire extension to prevent rekindling. Establish wildland fire control lines by cutting and scraping vegetation.
- Returns equipment to its proper place before leaving the emergency scene. On arrival at the fire station, cleans services, and returns apparatus and equipment to in- service status.
- Studies and becomes familiar with response area, communities, roads, water systems, building occupancy and contents.

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- Inspects commercial properties for fire prevention and pre-fire planning.
- Performs public education functions to civic organizations, schools, and other groups.
- Cleans and maintains station quarters and grounds; performs first-line preventative maintenance on apparatus; cleans, maintains and tests emergency equipment.
- May be assigned to make repairs to fire pumps, valves, trucks, motors and other emergency apparatus or equipment, as necessary.
- May have other assignments, such as CPR, heavy rescue techniques, cause and origin of fires, hazardous materials, etc.
- Participates in fire drills, training exercises and classes.
- Prepares written reports, as required.
- Is subject to emergency call-back while off duty.
- Performs related duties as required.

MINIMUM QUALIFICATIONS:

Candidate must be at least 18 years of age.

Within six months after hire reside within one hour driving time from the City of Jackson.

Education:

High School Graduate or GED equivalent at time of hire.

Experience:

Two years of continuous fire suppression, and emergency medical response within the last three years as a paid or volunteer fire fighter.

License and Certificates:

Posses and maintain all of the following:

California Class B Firefighter driver's license with air brake and tank endorsements

CSFM Firefighter 1 (or obtain certification within 12 months from date of hire)

Emergency Medical Technician 1 certificate valid in the State of California (or obtain certification within 12 months from date of hire)

Current CPAT certificate

CSFM Driver/Operator 1A & 1B (or three years experience as an engine operator and obtain certifications within 12 months from date of hire)

Desirable Qualifications:

Previous experience as a Jackson Fire Department Volunteer

College level courses in Fire Science

Specialized training in fire science, fire apparatus operation, hydraulics, emergency medicine, mechanics, or a related field.

Knowledge and Abilities

Knowledge of:

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- Operation and maintenance of fire pumping equipment and related apparatus.
- Technical firefighting techniques and the principles of hydraulics as applied to fire suppression.
- Working knowledge of modern firefighting methods
- Fire prevention and safety principles and methods
- General knowledge of departments rules, regulations, policies, codes, and ordinances; modern first-aid techniques
- Basic building construction, basic fire chemistry
- Common office practices, including copying, typing, and basic PC computer operations.

Ability to:

- Make sound decisions and direct fire personnel at an emergency scene
- Effectively supervise, train, and evaluate entry and journey level fire personnel
- Administer first-aid as required
- Perform maintenance and minor mechanical repairs to fire equipment and other apparatus
- Understand and follow oral and written instructions
- Function as a firefighter as needed
- Communicate effectively with the public and co-workers under adverse circumstances requiring presence of mind, sensitivity, interest and understanding
- Adapt to changes in work assignments and duties
- Write clear, concise and complete reports
- Perform physical tasks that require coordination, strength dexterity and stamina
- Understand the proper operation and use of department equipment
- Use a variety of hand and power tools (axes, extrication tools, chainsaw, and most common hand tools)
- Use a computer for preparing reports, records and correspondence
- Perform strenuous physical tasks such as carrying equipment up hills, pulling hoses, carrying injured persons, raising ladders and operating a hose line
- Conduct tours, fire demonstrations, first-aid demonstrations, and other public relations duties
- Read road maps
- Draw building layouts to scale
- Work at various heights and confined areas
- Use two-way radio communications equipment and speak clearly
- Remain calm and work effectively in stressful situations
- Use initiative and independent judgment when necessary
- Perform shift work
- Functions as a team member
- Use good judgment in emergency or critical situations
- Climb ladders
- Reference and utilize training materials (manuals, fire codes, journals, etc.)
- Keep accurate records

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PHYSICAL DEMANDS-WORKING CONDITIONS:

The conditions 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 disabilities to perform the essential job functions.

Environment:

Reactive emergency, natural or man-made disaster, and routine fire prevention environments with travel from site to site; the employee regularly works near moving mechanical parts and in areas of limited and restricted entry and exit; regularly exposed to outside weather conditions and wet and or humid conditions; occasionally works in high, precarious places; exposed to fumes or airborne particles, toxic or caustic chemicals, extreme cold, extreme heat, and vibration; risk of electrical shock, radiation, drowning and asphyxiation; the noise level in the work environment is usually moderate; however, the noise level is occasionally very loud when responding to emergency calls and when working at a fire or other emergency incident.

Physical:

Performs strenuous physical activities associated with fire and emergency situations. Primary functions require sufficient physical ability to work in a emergency response setting; walk, stand, sit, or run for prolonged periods of time; occasionally stoop, bend, kneel, crouch, reach, and twist; occasionally climb and balance; regularly push, pull, lift, and/or carry light to moderate weights; frequently lift and/or move moderate to heavy weights; occasionally lift and/or move heavy weights; operate fire suppression and medical response equipment, apparatus, and tools; requires a sense of touch, finger dexterity, and gripping with hands and fingers; ability to speak and hear to exchange information; ability to operate a vehicle to travel to various location.

Vision:

See within the normal range of vision with or without correction; specific vision abilities required by this job include close vision, distance vision, color vision, peripheral vision, depth perception, and ability to adjust focus.

Hearing:

Hear in the normal audio range with or without correction.