



JOB DESCRIPTION

TITLE: Fire Engineer
DEPARTMENT: Fire
GRADE: F4
FLSA: Non-Exempt
EEO DESIGNATION: Protective Service
REVISION DATE: 02/24/2017

POSITION SUMMARY

Under general supervision, the Firefighter Engineer provides direct services, individually and as a member of a team in response to emergency calls and planned events to protect life, property and the environment; drives, operates, and maintains fire apparatus and equipment; performs specialized technical duties related to firefighting, rescue, hazardous materials response and administration of basic and advanced life support to the sick and injured; participates in fire prevention, community education, community wellness, training and facility maintenance activities, while maintaining a positive and professional attitude.

ESSENTIAL FUNCTIONS:

- Respond to and assist a wide variety of calls for service including but not limited to fires, rescue situations, hazardous materials incidents, medical emergencies, floods, natural and manmade disasters, elderly assists, police assists and motorist assists.
- Identify and implement appropriate tactics to evacuate occupants, rescue victims, protect exposures, perform fire control and extinguishment, forcible entry, ventilation, salvage, and overhaul activities; raise and climb ladders; connect, extend and operate hose lines and perform other related duties as needed to protect life, property and the environment at fire, hazardous material, and rescue related incidents.
- Respond to emergency medical incidents; triage patients and determine appropriate medical care, provide basic and advanced life support (according to medical certification), and transport the sick and injured to definitive care.
- Drive department apparatus; operate fire pumps, aerial ladders and other fixed and loose tools and equipment; use hydraulic theory and mathematics to calculate and provide correct pump pressure to ensure required water pressure at appliances; monitor operating systems and make appropriate adjustments as required.
- Conduct life safety inspections of commercial, residential, public assemblies and governmental buildings to ensure compliance with applicable life safety regulations, ordinances and standards.
- Provide community education and event support including station tours and education classes.
- Conduct daily inspection of condition and readiness of division apparatus and equipment; perform minor repairs and preventative maintenance of apparatus and equipment; clean, wash and maintain apparatus and equipment; maintain the fire station and grounds; maintain inventory of equipment and supplies; and participate in periodic testing of ladders, fire hose, SCBA, pumps, and other apparatus and equipment.
- Perform a variety of administrative duties including preparing reports and forms, conducting research, and preparing and presenting recommendations.



JOB DESCRIPTION

- Participate in City and department training.
- Conducts departmental training sessions on topics related to the employee's job functions, attends various engineers' meetings.
- Perform a variety of administrative duties including preparing reports and forms, conducting research, and preparing and presenting recommendations.
- Perform all other duties as assigned.

MINIMUM QUALIFICATIONS:

- Three (3) years of full-time broad municipal fire service work.
- Must satisfy the medical requirements of National Fire Protection Association (NFPA) Standard 1582 and at all times maintain a fitness level that meets or exceeds the minimum standard of the department physical ability test.
- Firefighter I, Firefighter II through the Utah Fire Service Certification System are requirements for this position. Applicants for Firefighter I certification must be state certified through the Utah Fire Service Certification system at the Hazardous Materials Awareness Personnel Level and Hazardous Materials Basic Operations Level.
- Must possess ADO Certification.
- Aerial ADO Certification must be obtained within one (1) year of promotion.
- Inspector 1 and Instructor 1 Certifications within two (2) years of promotion.
- Must possess a valid Class B Utah commercial driver license within one (1) year of promotion.
- Certification and licensure as a EMTB by the State of Utah Department of Health, Bureau of Emergency Medical Services
- Must possess or obtain Red Card Certification within one year of hire.
- Successful completion of NIMS and ICS 100, 200, 700, & 800. The obtainment of NIMS and ICS may be waived for one (1) year from hire date.
- Must maintain all previously required certifications.
- Perform all other duties as assigned.

KNOWLEDGE, SKILLS AND ABILITIES

- Considerable knowledge of firefighting practices and procedures, fire hazards, safety precautions, fire hydraulics, building construction and mechanics.
- Considerable knowledge of hazardous materials operations and technical rescue awareness.
- Ability to climb ladders, work at considerable heights, in confined spaces or sight-obscured environments, and perform limited mechanical work.
- Considerable knowledge of City geography, department policy, procedures, rules and regulations.
- Ability to analyze situations quickly and objectively to determine the proper course of action under stressful and emergency conditions.
- Ability to understand and carry out oral and written instructions.
- Ability to prepare written reports using proper grammar and spelling.



JOB DESCRIPTION

- Ability to maintain effective working relationships with other employees and the public.
- Ability to meet the physical requirements established by the department.
- Use job related computers and software applications.

WORKING CONDITIONS AND PHYSICAL DEMANDS:

Response to emergency situations and participation in training activities. Involves considerable exposure to stressful situations, strenuous and moderately heavy physical activity; required to stand, walk, crawl or sit in uncomfortable positions for extended period of times; involves exposure to dangerous situations under disagreeable conditions such as a cold, wet, high temperatures, toxic fumes, smoke, excessive noise, hazardous materials, communicable diseases, vibration, heights, confined spaces, emergency driving, little to no sleep for extended periods, etc. May be subjected to lifting and dragging items of excessive weight. Unconventional working hours are required including nights, weekends, holidays, and shifts of up to 48 hours in length. Required to travel to different sites and stations.

The City of Draper is an equal opportunity employer without regard to race, color, religion, national origin, disability, genetic information, sex or age. The intent of this job description is to provide a representative summary of the major responsibilities and duties performed on the job. It is not intended to be an exhaustive list of all job-related duties and responsibilities that an employee may perform. An employee in this position will be required to perform any other job-related duties required by their supervisor. This job description is not intended to and does not infer or create any employment, compensation, or contract rights to any person or persons. This updated job description supersedes prior descriptions for the same position. Management reserves the right to add or change duties at any time.