



WASATCH FIRE DISTRICT

JOB DESCRIPTION

Engineer

Position Title:.....Engineer
Division:..... Operations
Supervised by:..... Captain
Supervises:..... None
Status: Non-Exempt / Full-Time
Standard Shift: ... 48/96
Wage Range: \$56,500 - \$90,000

GENERAL PURPOSE

Under the general supervision of the Captain, the Engineer is responsible for the operation, general maintenance, and inventory of fire apparatus and related equipment.

SUPERVISION RECEIVED

Works under the general supervision of a Captain.

ESSENTIAL DUTIES AND RESPONSIBILITIES

- 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.
- 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 and weekly inspections regarding the 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, participating on an apparatus committee, conducting research, and preparing and presenting recommendations.



WASATCH FIRE DISTRICT

JOB DESCRIPTION

Engineer

- Actively Participates in fire drills, attends classes in firefighting, emergency medical, hazardous materials, and related subjects.
- Periodically conducts departmental training sessions on topics related to the employee's job functions.
- Perform all other duties as assigned.

PERIPHERAL DUTIES

- Performs firefighting activities including rescue, fire combat, containment, extinguishment, and overhaul.
- Interacts with, supports, and assists in supervising operational members as directed.
- Attends conferences and meetings to keep abreast of current trends in the field.
- Maintains contact with the public and district officers in the performance of fire district activities.
- May participate in developing of apparatus specifications, as assigned
- Actively Participates in fire drills, attends classes in firefighting, emergency medical, hazardous materials, and related subjects.
- Maintains required certifications in suppression and EMS.
- Meets district continuing education requirements.
- Maintains positive working relationship with WCFD members
- May Act-In as Captain if minimum Acting-In qualifications are met.

MINIMUM QUALIFICATIONS

Education and Experience:

- Two (2) years of experience full-time fire service experience.
- Must possess, or be able to obtain by time of hire, a valid Utah driver's license.
- Must be able to read, write, and speak the English language.
- Must be able to pass a random drug test.
- Must be able to pass annual physical agility test. (i.e. Pack Test)
- Must be able to pass annual EVO training as provided.
- Possess and maintain recognized Firefighter II certification.
- Possess and maintain recognized Advanced EMT or Paramedic certification.
- Successful completion of NIMS and ICS 100, 200, 700, and 800.
- Possess and maintain recognized Red Card Certification
- Possess and maintain recognized HazMat/First Responder Operational Qualified.
- Possess and maintain recognized ADO-Pumper certification.
- Must be able to obtain recognized ADO-Aerial certification, with in one (1) year of promotion



WASATCH FIRE DISTRICT

JOB DESCRIPTION

Engineer

Necessary Knowledge, Skills, and Abilities:

- *Thorough knowledge of:*
 - Fire behavior and characteristics, fire hazards, safety precautions, building construction and mechanics.
 - Hydraulics, fire suppression principles, procedures, techniques, rescue operations, EMS principles and protocols.
 - Wasatch Fire District response area including location and function of on-scene firefighting systems, alarm systems, and available water supplies.
 - State driving laws for emergency and non-emergency vehicles.
 - Operation and safety limits of assigned apparatus.
 - Fire suppression principles, procedures, techniques, and equipment.

- *Working knowledge of:*
 - All district vehicles and equipment capabilities; vehicle and power tool mechanics and operation.
 - Emergency medical and resuscitation techniques and their application.
 - The geographic area, including street and hydrant locations.
 - Fire prevention principles, procedures, techniques, and equipment.
- *Skill in the operation of the listed tools and equipment.*
- *Ability to:*
 - Drive, operate, adjust, and repair various types of fire apparatus under both emergency and non-emergency conditions.
 - Apply standard firefighting and emergency medical techniques to specific situations.
 - To follow verbal and written instructions.
 - Communicate effectively orally and in writing.
 - Perform strenuous or peak physical efforts during emergency or training activities for prolonged periods of time under conditions of extreme heights, intense heat, cold or smoke.
 - Prepare and maintain adequate and orderly reports and records.
 - Handle all physical requirements of the job.
 - Work effectively with other WCFD members, supervisors, and the public.
 - Meet the special requirements listed below as applicable.
 - All district vehicles and equipment capabilities, as well as a good working knowledge of vehicle and power tool mechanics and operation.
 - Motivational skills pertinent to volunteer members.
 - EMS techniques, practices, and standards.
 - Utah State Laws pertaining to EMS.

DESIRABLE KNOWLEDGE, SKILLS, AND ABILITIES.

- Experience working with Part-time / Paid Call personnel in a full time or combination service.
- Obtain Class B Utah Commercial Driver's License.
- Obtain Fire Instructor I
- Obtain Fire Inspector I
- Obtain Utah State Fire Officer I certification



WASATCH FIRE DISTRICT

JOB DESCRIPTION

Engineer

- Associates Degree in Fire Science, Public Administration, or a closely related field.
- Familiarity with:
 - Wasatch County area.
 - Wasatch Fire District Policies, SOG's, and protocols.

SPECIAL REQUIREMENTS

- No felony convictions or disqualifying criminal histories within the past seven years.

TOOLS AND EQUIPMENT USED

Emergency medical apparatus; fire apparatus; fire pumps, hoses, and other standard firefighting equipment; ladders, emergency medical equipment; radio; pager; personal computer; telephone.

PHYSICAL DEMANDS

The physical demands described here are representative of those that must be met by any member 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 member is frequently required to stand; sit; walk; talk or hear; use hands to finger, handle, or operate objects, tools, or controls; and reach with hands and arms. The member is frequently required to climb or balance; stoop, kneel, crouch, or crawl; and taste or smell. The member must frequently lift and/or move up to 175 pounds. Specific vision abilities required by this job include close, distance, color and peripheral vision, depth perception, and the ability to adjust focus.

WORK ENVIRONMENT

The work environment characteristics described here are representative of those a member encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Work is performed primarily in office, vehicle, and outdoor settings; in all weather conditions, including temperature extremes; during day and night shifts. Work is often performed in emergency and stressful situations. Individual is exposed to sirens and hazards associated with fighting fires and rendering emergency medical assistance, including infectious substances, smoke, noxious odors, fumes, chemicals, liquid chemicals, solvents, and oils. The member occasionally works near moving mechanical parts and in high, precarious places and is occasionally exposed to wet and/or humid conditions, fumes or airborne particles, toxic or caustic chemicals, radiation, risk of electrical shock, and vibration.

The noise level in the work environment is usually quiet in office settings, moderate during daily work routine, and loud at an emergency scene.

The duties listed above are intended only as illustrations of the various types of work that may be performed. The omission of specific statements of duties does not exclude them from the position if the work is similar,



WASATCH FIRE DISTRICT
JOB DESCRIPTION
Engineer

related or a logical assignment to the position. The job description does not constitute an employment agreement between the employer and member and is subject to change by the employer as the needs of the employer and requirements of the job change. Wasatch County Fire District is an equal opportunity employer and maintains a drug and alcohol-free environment.

Employee Signature: _____

Date: _____

Supervisor Signature: _____

Date: _____

Fire Chief Signature: _____

Date: _____