

## City of Fort Worth, Texas Job Description

<b>Classification Title</b>	Fire Engineer		
<b>Job Code:</b>	1031	<b>Job Family:</b>	Fire
<b>Pay Grade</b>	Y02	<b>Date Reviewed:</b>	
<b>FLSA Status</b>	Non Exempt	<b>Date Revised:</b>	09/30/15

### GENERAL SUMMARY

Works under the supervision of a Fire Lieutenant, Fire Captain or any ranking officer and is responsible for safely driving Fire Department vehicles to and from emergencies and operating such upon arriving at the scene of an emergency.

### ESSENTIAL DUTIES & RESPONSIBILITIES

*The intent of this job description is to provide a representative summary of the major duties and responsibilities performed by incumbents of this job. Incumbents may be requested to perform job-related tasks other than those specifically presented in this description.*

#### **Fire Engineer- Operations:**

1. Drives and operates various kinds of fire department apparatus and locating the apparatus at its proper place at the emergency scene in a safe manner.
2. Operates pumping engine using accepted hydraulic and mechanical standards so that the water pressure in the hose and at the nozzle is maintained for the most efficient operation of the hose line.
3. Inspects pumping engine during operation to insure that working parts are operating efficiently.
4. Places aerial devices and assure that they are operating properly and safely and in accordance with weight and load limitations.
5. Maintains knowledge of location, operation, care and maintenance of all equipment carried on assigned apparatus.
6. Assists their officer in the evaluation of potential fire problems within their assigned Battalion.
7. Makes fire safety assessments of commercial and industrial buildings in an assigned Battalion.
8. Reports any unusual hazards and conditions to a superior officer.
9. May act in a higher capacity as Fire Lieutenant and will be expected to perform all required and related duties for that rank.
10. When necessary, and under the direction of a ranking officer, exercise judicious authority and assertiveness at the scene of incidents to secure and preserve life safety, achieve incident stabilization and ensure property conservation.

11. Meet minimum physical fitness requirements to work in fire suppression.
12. If Engineers' apparatus is not actively engaged at a fire scene he/she will be able perform firefighting activities to include laying hose, setting ladders, rescue work, ventilation, fire suppression, salvage and overhaul tasks.
13. Maintain a good working knowledge of response territory in order to select the most efficient route to be taken to emergency calls.
14. Performs other related duties as required.
15. Adheres to assigned work schedule as outlined in the Department and City attendance policies and procedures; ensures all behaviors comply with the City's Personnel Rules and Regulations.

**Fire Engineer – Staff:**

1. Performs the duties of their assigned staff position in accordance with, and in support of the Fire Department's Mission Statement.
2. Assists the Training Division with the administration of training sessions relevant to their assigned staff position.
3. May act in a higher capacity as Fire Lieutenant and will be expected to perform all required and related duties for that rank.
4. Performs other related duties as required.
5. Adheres to assigned work schedule as outlined in the Department and City attendance policies and procedures; ensures all behaviors comply with the City's Personnel Rules and Regulations.

**Other Job Functions:**

1. Insures apparatus is in response ready condition at all times.
2. Attends company drills in the station and other classes in the fire department.
3. Maintains station response area maps and updates as needed.
4. Operated a computer utilizing various software packages and electronic mail.
5. Performs other related duties as assigned.

**KNOWLEDGE, SKILLS & ABILITIES**

- **Knowledge of:**
  - Principles and practices of fire prevention.
  - Fire Dispatch.
  - Fire Safety Education.
  - Fire and Arson Investigation.
  - Bomb scene management and bomb/ Improvised Explosive Device (IED) disposal.

- Hazardous materials response.
  - Emergency Scene mitigation.
  - Incident Command and fire suppression.
  - Uses and maintenance of firefighting equipment and apparatus.
  - Departmental rules and regulations.
  - Geography of the city.
  - Fire hazards and firefighting resources.
  - Supervisory practices and procedures.
  - Basic mathematical areas of adding, subtracting, dividing and multiplying.
- **Skill in:**
    - Application of first aid and resuscitation techniques.
  - **Ability to:**
    - Plans, supervises and coordinate the work of others.
    - Prepares clear and accurate reports of firefighting activities.
    - Establishes and maintain effective working/living relationships with the public and other employees.

## **MINIMUM JOB REQUIREMENTS**

High School graduate or GED, plus two years experience as Fire Fighter for the City of Fort Worth.

## **OTHER REQUIREMENTS**

Valid Texas Driver's License Class "B" or equivalent and an acceptable driving record; must pass Civil Service examination for Fire Engineer; must attend and pass training at Fire Training Academy.

## **WORKING CONDITIONS**

*The work environment characteristics described here 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.*

Inside/outside working conditions exposed to all extremes of the environment; exposed to toxic and non-toxic odors, fumes, dusts, mists, gases, extreme heat, and other hazards of fire fighting. Typing and filing.

## **PHYSICAL DEMANDS**

*The physical demands described here 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.*

Lifting objects in excess of 100 lbs. with frequent lifting and/or carrying of objects weighing 50 lbs. or more; able to maintain body equilibrium when climbing and walking on slippery surfaces.