

# **FIRE ENGINEER**

Grade: 16  
FLSA: Non-Exempt

## **General Definition of Work**

Performs challenging services in differing environments under the supervision of a company officer. Partakes in in-company training, responding to calls for service, daily inventory of apparatus, operating fire apparatus, relief officer role, and other related work as assigned. Personnel in this position report to the company officer, Fire Lieutenant, or Fire Captain.

## **Qualification Requirements**

To successfully perform the duties of this position, an individual must satisfactorily demonstrate the capability of each essential function. Job requirements for this position illustrate the knowledge, skill, and ability required to be proficient. Reasonable accommodations may be made to enable an individual with disabilities to perform essential functions.

## **Essential Function**

Provides standard of services following Federal, State, and Local regulations.

Completes daily apparatus inventory, ensuring cleanliness and state of readiness.

Drives fire apparatus and operates pumps.

Acts as a company officer in the absence of a Lieutenant or Captain.

Assist with maintenance and upkeep of apparatus, pumps, and associated equipment.

Partakes in company-level training on fire, rescue, and emergency medical skills or materials.

Participates in community awareness, fire prevention, and public education classes.

Operates in firefighting, emergency medical services, life support, rescue, extrication of persons, and hazardous materials activities related to saving life and property

Performs pre-fire incident surveys of businesses and high-hazard structures.

Performs annual hydrant, hose, and equipment testing by department policies.

Participates in adverse weather preparedness and response.

## **Knowledge, Skills, Abilities**

General knowledge of firefighting techniques and procedures as applied to fire suppression; thorough understanding of emergency medical techniques and procedures correlating with appropriate scope of practice; general knowledge of hazardous material awareness and operations; a rudimentary understanding of rescue and extrication principles; general knowledge of pump operations; general ability to make decisions; ability to work at heights, in confined spaces, and extreme conditions; ability to follow oral and written instructions; ability to effectively communicate; possession of physical endurance and agility.

## **Minimum Requirements**

- Firefighter
- EMT
- Hazmat Level 1 or equivalent
- NIMS ICS 100, 200, 700, and 800
- Driver Operator EVD
- Driver Operator Pumps
- Driver Operator Aerials
- NC Class B license

## **Preferred Requirements**

- Technical Rescuer
- Fire Instructor I
- Fire Officer I
- Paramedic

## **Physical Requirements**

This work requires the regular exertion of up to 10 pounds of force, frequent exertion of up to 25 pounds of force and occasional effort of up to 100 pounds of force; work regularly requires speaking or hearing, using hands to finger, handle or feel and reaching with hands and arms, frequently requires standing, walking, pushing or pulling and lifting and occasionally requires sitting, climbing or balancing, stooping, kneeling, crouching or crawling, tasting or smelling and repetitive motions; work requires close vision, distance vision, ability to adjust focus, depth perception, color perception, night vision and peripheral vision; vocal communication is required for expressing or exchanging ideas by means of the spoken word and conveying detailed or important instructions to others accurately, loudly or quickly; hearing is required to perceive information at normal articulated word levels and to receive detailed information through oral communications and/or to make fine distinctions in sound; work requires preparing and analyzing written or computer data, visual inspection involving minor defects and/or small parts, using of measuring devices, operating machines, operating motor vehicles or equipment and observing general surroundings and activities; work regularly requires exposure to outdoor weather conditions, frequently requires exposure to fumes or airborne particles, exposure to vibration and exposure to bloodborne pathogens and may be required to wear specialized personal protective equipment and occasionally requires wet, humid conditions (nonweather), working near moving mechanical parts, working in high, precarious places, exposure to toxic or caustic chemicals, exposure to extreme cold (non-weather), exposure to extreme heat (non-weather), exposure to the risk of electrical shock and wearing a self-contained breathing apparatus; work is generally in a moderately noisy location (e.g. business office, light traffic).