

FIRE ENGINEER

(Promotional Class)

DISTINGUISHING FEATURES OF THE CLASS

This class comprises the journeyman level in the fire suppression division of fire department operations. Fire Engineers demonstrate a higher level of ability in the performance of fireground operations, and are primarily responsible for driving, positioning, and operating fire apparatus, including pumps and other equipment, as required. Employees of this class perform routine tasks involving the maintenance and repair of department property and equipment. Employees of this class participate in fire prevention activities, including pre-fire planning and fire inspections. Fire Engineers perform routine tasks independently, receiving assignments and direct supervision from a Fire Captain. This class ranks directly below that of Fire Captain.

EXAMPLES OF WORK

Examples listed below are illustrative only. They are not intended to include all duties which may be assigned, neither are they intended to exclude other duties which may be logical assignments to this class.

Answers both emergency and non-emergency calls, records pertinent information and responds according to departmental procedures. Drives fire apparatus, in accordance with all laws and safety regulations. Selects shortest available route to the incident. Positions apparatus in accordance with standard operating procedures, and as needed according to incident action plans. Performs hose operations including deploying, making and breaking connections, advancing, and utilizing various types of nozzles and appliances. Operates pump to supply water to hose lines, and to provide adequate pressure at the nozzle. Operates aerial apparatus, such as ladders, platforms, and water towers. Dons self-contained breathing apparatus for protection from hazardous environments. Relays radio messages between headquarters and firefighting personnel.

May perform duties as part of the fire attack team when not engaged in operating pump or other equipment. Performs search and rescue operations in order to locate and remove trapped victims from burning or collapsed buildings, vehicles, enclosed spaces, or other endangerment using appropriate tools and techniques. Administers first aid in accordance with departmental protocol. Performs forcible entry, ladder, and ventilation operations. Applies appropriate fire streams and suppression agents for the most effective fire extinguishment. Performs salvage and overhaul operations.

Cleans, dries, tests, inspects, and properly secures any assigned fire fighting equipment such as fire apparatus, hoseline fittings and nozzles, portable breathing apparatus, turn-out equipment, ladders or related equipment. Performs periodic tests of apparatus pumping capacity and pressure. Stores equipment upon return to station, and replaces any equipment or tools on fire apparatus when necessary. Maintains inventory of tools and equipment, and inspects for damage or to determine if any tools are missing. Completes minor repairs to equipment and tools. Tests communication equipment.

Participates in fire prevention activities, including pre-fire planning and fire inspections. Performs fire inspection tasks such as inspecting buildings for fire hazards and compliance to fire codes. Gathers and studies information regarding types of occupancy and structure, building layout, hydrant and standpipe location, and hazardous materials storage. Draws preplanning maps and diagrams. Updates hydrant maps and vital building books.

Reads and studies assigned firefighting materials and manuals to learn and maintain proficiency in firefighting operations and fire behavior, equipment and tools, and safety procedures for special emergencies. Practices with apparatus and equipment to increase and maintain proficiency. Studies direct routes, location of streets, water mains, and hydrants in response area. Monitors and gathers information of conditions affecting station zone of response. Attends and participates in assigned training drills, demonstrations or evaluations either as an individual or as a member of a group. Obtains appropriate certifications under the N.F.P.A. Professional Standards, and other professional certifications as required by department policies. Provides informal job training as required.

Promotes a positive image of the work of the department in the daily performance of duties. Assists visitors to the fire department. Conducts fire station tours and explains fire equipment and firefighting techniques to visiting public. Receives telephone calls and provides necessary information or directions. Refers calls to appropriate personnel or agency. Interacts with community members in emergency and non-emergency situations, and in both formal and informal settings. Provides assistance and information as needed.

Completes any forms, records, or reports as required. Records entries in daily logs such as results of an alarm, radio apparatus and equipments tests or equipment repair needs. Delivers written records or reports to superior officer as required.

Performs any related duties assigned.

QUALIFICATION REQUIREMENTS

Unless otherwise specified, all requirements listed below must be met by the filing deadline for application for admission to the examination.

Must meet all requirements of the Municipal Fire and Police Civil Service Law, including being a citizen of the United States and of legal age.

Prior to the closing date for application to the board, must have obtained certification as Hazardous Materials - Awareness and Operations certifications, Firefighter I and II, Driver/Operator: Pumper and Driver/Operator: Aerial according to National Fire Protection Association (NFPA) standards, tested in accordance with IFSAC or ProBoard.

Must maintain current Medical First Responder while working in the class of Fire Engineer.

After offer of promotion, but before beginning work in this class, must pass a physical examination, the selection and administration of which shall be authorized by the Appointing Authority, designed to demonstrate good health and physical fitness sufficient to perform the essential duties of the position, with or without accommodation.

Must possess a valid driver's license.

Must be a regular and permanent employee in the class of Firefighter for at least one (1) year immediately preceding closing date for application to the board.

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