

**CITY OF CARLSBAD
CLASS SPECIFICATION**

JOB TITLE: FIRE ENGINEER

DEPARTMENT: FIRE DEPARTMENT

BASIC FUNCTION:

Under supervision, to operate and maintain fire trucks, fire fighting and response equipment, and fire stations; to participate in fire prevention activities in protecting life and property; and to do related work as assigned.

KEY RESPONSIBILITIES:

Drive and operate fire equipment.

Maintain fire apparatus and other emergency vehicles.

Respond to incidents and select the most direct route to the fire.

Lay hose lines, operate fire fighting and rescue equipment as required.

Man nozzles to direct stream of water on fire.

Assist in overhaul and salvage operations.

Respond to rescue calls and administer first aid.

Operate radio-telephone equipment.

Inspect equipment, perform lubrication, make minor adjustments and repairs, and maintain fuel and oil supply.

Wash and test fire hoses.

Clean station quarters and equipment and maintain a clean and orderly condition in and about the fire house.

Study Fire Department rules and regulations, fire hazards and fire fighting techniques.

Participate in fire drills and training exercises.

Conduct fire prevention inspection and education programs.

Prepare reports with respect to equipment maintenance and work operations.

Instruct fire personnel in the operation and maintenance of fire equipment.

Respond to fire calls during non-duty hours.

Serve as Acting Fire Captain as assigned.

Routine inspection and maintenance of fire hydrants.

QUALIFICATIONS:

Knowledge of:

- Street system, the physical layout of the city and the location of fire hydrants, mains and their fire flow capabilities.
- Firefighting methods and techniques.
- Operating and mechanical principles involved in the operation and maintenance of fire apparatus and equipment.
- Fire hydrants.
- Fire aid and CPR.
- Rules, regulations and operational procedures of the Fire Department.

Ability to:

- Establish and maintain cooperative relationships with those contacted in the course of work.
- Understand and follow oral and written instructions quickly and correctly.
- Operate fire equipment and apparatus.
- Maintain fire equipment and apparatus.
- Think and act quickly in emergencies.
- Understand and follow oral and written directions promptly and accurately.
- Write clear, concise and accurate reports.
- Perform field calculations in hydraulics for proper and safe operations at emergency scenes.

EXPERIENCE AND EDUCATION:

Any combination equivalent to experience and education that could likely provide the required knowledge and abilities would be qualifying. A typical way to obtain the knowledge and abilities would be:

Experience:

Two years of municipal fire fighting experience.

Education:

High school diploma or equivalent. Completion of college level courses or their equivalent in Fire Science in compliance with departmental policies.

SPECIAL REQUIREMENT:

Possession and maintenance of a valid Firefighter Non-Commercial Class B California Drivers License, to include a water tank and air brake endorsement/or Class C California Drivers License with Firefighter Endorsement.

Possession and maintenance of a California Emergency Medical Technician - Certificate.

PHYSICAL CHARACTERISTICS:

Meet the requirements specified in the National Fire Protection Association (NFPA) 1001 Standard for entry level Firefighters.

DATE APPROVED: June 13, 2017