

FIRE ENGINEER

Current Salary: Firefighters Salary Schedule

DEFINITION

Under general supervision, to participate in fire suppression and fire prevention activities; to respond to emergency situations and provide medical assistance; to be responsible for the operation, readiness, condition and maintenance of a variety of fire apparatus, firefighting and rescue equipment; and to perform related work as required.

DISTINGUISHING CHARACTERISTICS

The Fire Engineer is distinguished from the Firefighter in that the former has primary responsibility to drive to emergency situations, and provide maintenance to a variety of fire apparatus, firefighting and rescue equipment along with participating in fire suppression and fire prevention activities.

SUPERVISION RECEIVED AND EXERCISED

Incumbents receive direct supervision from a Fire Captain or superior officer.

EXAMPLES OF DUTIES, KNOWLEDGE, AND ABILITIES

Duties may include, but are not limited to the following:

- Respond to emergency fire, rescue, medical aid and public service calls; operate a variety of firefighting equipment and fire apparatus and perform essential fire suppression and rescue functions.
- Drive and operate apparatus in a safe manner at all times.
- Respond to incident and select the most direct routes to the scene.
- Lay hose lines and operate engine pumping equipment as required; operate nozzle and direct stream of water on fire.
- Clean, inspect, and maintain apparatus and equipment; make minor adjustments and repairs.
- Assist in returning all apparatus and equipment to in-service condition following any alarm or detail.
- Instruct fire personnel in the operation and maintenance of fire equipment.
- Participate in the cleaning and maintenance of station quarters, equipment, and apparatus.
- Learn and observe department rules and regulations.
- Participates in investigations, clean-up, salvage, and overhaul operations.
- Follow all orders and directions immediately.
- Follow any pre-planned methods of operation as they apply to the type, location and conditions of an emergency.
- Participate in fire drills, fire training sessions, and exercises.
- Assist in fire prevention activities as assigned.
- Perform related duties and responsibilities as required.

EMPLOYMENT STANDARDS**Knowledge of:**

- Principles, practices, and procedures of modern fire suppression, hazardous materials containment, rescue, clean-up, and salvage
- Firefighting vehicles, equipment, apparatus and prevention
- Operation and maintenance of apparatus and equipment used in modern firefighting activities
- Modern principles of mechanics, hydraulics, and mathematics as related to Driver Operator duties
- Safety practices
- Area topography, physical conditions, street names, numbers, water mains hydrant locations and target hazards of the City
- Applicable local, state, and federal laws, codes and ordinances
- Medical aid, rescue, and resuscitation equipment practices
- Principles and practices of basic report writing utilizing proper English, grammar, spelling, and punctuation
- Records management principles and practices
- Computer applications related to the work
- Techniques to communicate and effectively solve complex problems often presented during stressful, emergent situations

Ability to:

- Drive, operate, maintain, and repair fire equipment and apparatus or safety vehicles in conformance with department procedures and traffic laws
- Perform field calculations of hydraulics for the proper and effective pumping at emergency scenes
- Perform fire suppression, hazardous materials containment, and associated rescue and salvage work in a safe and effective manner
- Learn the geographic layout of the City and the surrounding areas and the location of various fire suppression utilities
- Generate and maintain accurate records, reports and other written materials
- Analyze situations correctly and take quick, effective and reasonable courses of action with regard to surrounding hazards and circumstances exercising sound judgement in emergency situations
- Respond to alarms and promptly obey all orders given by the Fire Captain or superior officer
- Learn pertinent federal, state, and local laws, ordinances, regulations, and guidelines relevant to assigned duties
- Understand and follow City and Fire Department rules and regulations
- Participate in fire prevention and public education activities in the community
- Communicate clearly and tactfully, both orally and in writing
- Establish and maintain effective working relationships with those contacted in the course of work

- Coordinate and carry out special assignments
- Operate modern office equipment including computer equipment and software programs
- Use tact, initiative, prudence and independent judgment within general policy, procedural, and legal guidelines
- Meet the physical requirements necessary to safely and effectively perform the assigned duties

Minimum Qualifications

Any combination of experience and training that would likely provide the required knowledge and abilities is qualifying. A typical way to obtain the knowledge and abilities would be:

Experience:

- Three (3) years of full-time fire service experience, or two (2) years of continuous full-time career suppression experience with the Rocklin Fire Department.

Education:

- High School Diploma or GED

GENERAL QUALIFICATIONS**Licenses or Certificates:**

- Possession of a valid State of California Class C driver license with a Firefighter endorsement or equivalent
- Driver Operator 1A
- Driver Operator 1B
- First Aid and Cardiopulmonary Resuscitation cards or valid EMT certification
- State of California Certified Firefighter I & II Certificate, or equivalent
- Being assigned to arson investigations may require the ability to obtain and maintain PC Section 832 certificate within one (1) year of appointment (or upon conclusion of the first available training program if more than one year.)

Completion of Engineer Task Book

Once the minimum requirements outlined above have been met, an Engineer Task Book will be issued. If the task book has not been completed prior to a promotional exam opportunity, or if an applicant is hired from the outside, the Task Book must be completed within one (1) year after appointment to the Engineer position. Acting Engineer candidates must complete the Engineer Task Book within twenty-four (24) months. The completion period for the Task Book may be extended at the discretion of the Fire Chief.

Physical Requirements

Incumbents must possess mobility and physical strength and stamina to respond to emergency situations and use all emergency apparatus while wearing personal protective equipment; must demonstrate physical endurance, agility, strength, and stamina in the performance of hazardous

tasks under emergency conditions; think and act quickly in emergencies; lift and move individuals or objects weighing more than 100 pounds; ability to work in a standard office setting and to operate motor vehicles; vision to read gauges, documents and street maps; accurate depth perception; ability to communicate verbally, including projecting a voice that can be heard in a noisy environment; ability to hear and distinguish various sounds, such as alarms, voices of co-workers and warning horns or sirens in both quiet and noisy environments; ability to stand, walk, bend and reach at, above or below shoulder height for extended periods of time; sustained concentration and prolonged commitment to job tasks.

Environmental Conditions

Employees work in the field with exposure to emergency circumstances, including loud noise levels, cold and hot temperatures, inclement weather conditions, road hazards, vibrations, mechanical and/or electrical hazards, hazardous chemical substances and fumes, criminal offenders, mentally ill individuals, and persons potentially infected with communicable diseases. Employees may interact with upset individuals in interpreting and enforcing departmental policies and procedures.

Working Conditions

Must be willing to work irregular hours and/or extended shifts as scheduled by the department; work at various locations within the City of Rocklin, and wear a designated uniform and personal protective equipment. At times, this classification requires wearing respiratory protective equipment. When assigned to such work, facial hair must be shaven when it interferes with the safe fitting of respiratory protective equipment. Candidates who have accepted a conditional offer of employment must pass a background investigation, including fingerprinting.

If assigned to the arson investigations, personnel must be 21 years of age at the time of appointment. Must be legally authorized to work in the United States under federal law. Must meet physical, psychological, and background standards established by POST as well as ongoing peace officer requirements pursuant to federal, state, and local legislation. This classification functions as a peace officer within the authority and limits of California Penal Code Sections 830.37 and 832.

FLSA: NE

This job specification should not be construed to imply that these requirements are the exclusive standards of the position. Not all duties are necessarily performed by each incumbent. Additionally, incumbents may be required to follow any other instructions and to perform any other related duties as may be required by their supervisor.

Adopted: November 2001

Revised: March 2018, October 2020, January 2023