CITY OF SANTA CRUZ
FIRE ENGINEER

Reports to: Fire Captain
Supervises: Non-supervisory
Bargaining Unit: Fire

BASIC FUNCTION

Under direction, drives, operates, and maintains fire apparatus and related equipment; participates in fire suppression, prevention, emergency medical care, and rescue activities; and performs other related duties as required.

DISTINGUISHING CHARACTERISTICS

The Fire Engineer performs the duties of a Firefighter, and is distinguished from the Firefighter classification by the additional responsibility for driving and operating fire apparatus, insuring that the apparatus and related equipment are properly maintained, and training fire personnel in the operation and care of fire apparatus and equipment.

TYPICAL DUTIES (*May include, but are not limited to, those duties listed below.*)

- Drives fire apparatus and selects appropriate response routes.
- Operates pumping, hydraulic, and other mechanical fire apparatus systems and equipment.
- Performs daily vehicle inspection, apparatus checks, and equipment inventory.
- Performs routine maintenance and minor mechanical repairs on fire apparatus and related equipment.
- Assists paramedics in providing emergency medical care.
- Assists firefighters in attacking and extinguishing fires, conducting rescues, responding to hazardous materials incidents, and performing related life and property protection.
- Trains fire personnel in the operation and care of fire apparatus and related equipment.
- Participates in drills and training activities.
- Participates in fire inspections and other fire prevention activities.
- Performs maintenance duties at fire stations.
- Prepares reports and maintains records and logs.

MINIMUM QUALIFICATIONS

Knowledge:

- Methods of inspecting and performing minor repairs on fire apparatus and associated equipment.
- Principles of mechanics, hydraulics, and pumps as related to Fire Engineer duties.
- Principles and practices of fire suppression, emergency medical services, and fire prevention.
- City streets, response routes, and water distribution systems.

Abilities:

- Safely and effectively drive and operate the fire apparatus and equipment used by the department.
- Perform routine daily maintenance and minor mechanical repairs to fire apparatus and equipment.

- Perform fire suppression activities.
- Provide appropriate assistance in medical emergencies.
- Maintain physical condition appropriate to perform the required duties.
- Communicate effectively, both orally and in writing.
- Maintain accurate records.
- Understand and follow oral and written directions.
- Establish and maintain effective working relationships, and work effectively as a member of a team.
- Work a 24-hour continuous shift and be subject to call back during emergencies.

EDUCATION AND EXPERIENCE

Any combination of education and experience that provides the above knowledge, skills, and abilities combined with any required licenses and certificates is qualifying. A typical way to obtain the required qualifications is to possess the equivalent of the following:

- High school graduation or tested equivalent; and
- Two (2) years of experience as a full-time firefighter.

LICENSES/CERTIFICATES

- Possession at time of appointment and continued maintenance of a valid California driver's license, a Firefighter Endorsement certificate and a safe driving record.
- State Fire Marshal certificates Driver Operator 1A and 1B.
- Possession of a valid Emergency Medical Technician (EMT-D) certificate at time of appointment.
- Current CPR certificate.

OTHER REQUIREMENTS

- Successful completion of the Santa Cruz Fire Department Acting Engineer training program by the completion of probation or successful completion of an equivalent program from another organization that meets the standards of NFPA 1002.

DESIRABLE QUALIFICATIONS

- Completion of college-level fire technology courses and California State Fire Training courses.
- Bilingual ability to speak both English and Spanish.

Classification No.:	604
Date of Issue:	9/00
Supersedes:	11/99
Update:	3/12

Career Ladder

- Fire Chief
- Fire Deputy Chief
- Fire Division Chief
- Fire Battalion Chief
- Fire Captain
- *Fire Engineer*
- Firefighter