

CITY OF GLENDALE

TITLE:	Fire Engineer (52 Hrs)	CLASS CODE:	685
REPORTS TO:	Captain	GRADE:	132
DEPARTMENT:	Fire	FLSA:	N
JOB SPECIFICATION DATE: July 1,2005 bwg			

JOB SUMMARY:

Operates and maintains fire apparatus and firefighting equipment and performs fire suppression, fire prevention and emergency medical services as part of a fire company during an assigned shift.

ESSENTIAL FUNCTIONS:

1. Responds to alarms as a member of a firefighting company.
2. Drives fire engines, ladder trucks or other specialized fire apparatus.
3. Positions fire trucks at fire or accident scene to provide the most expeditious access.
4. Operates pumps at fires; regulates water pressure through hose lines.
5. Performs the duties of firefighter when not operating pump; lays and connects hoses, directs water streams, raises and climbs ladders, uses chemical extinguishers and other equipment at fire scenes.
6. Operates aerial platform and ground ladders.
7. May be required to perform as a member of an Immediate Rapid Intervention Crew (IRIC) on emergency scenes.
8. Protects citizen's property; performs salvage operations to minimize property damage.
9. Provides emergency medical technician level assistance at injury and accident scene involving basic life support and paramedic support functions.
10. Provides operational level assistance at natural disasters and domestic terrorism events.
11. Prepares and maintains records, logs and reports regarding alarms, inspections, medical emergencies, and fire prevention activities.
12. Inspects vehicles, equipment and apparatus for function and appearance; performs maintenance and minor repairs; identifies the need for major repairs; maintains records of maintenance and repairs. Operates all necessary equipment including computer terminals, power tools, hand tools, and fire apparatus.
13. Participates in drills and classes pertaining to medical services, fire suppression, rescue, street locations, hydraulics, and fire inspection.
14. Participates in public education and community relation activities including school visits and fire station tours.
15. Participates in fire prevention inspections and enforces related fire codes.

SECONDARY FUNCTIONS:

16. Acts as a Fire Captain or relieves officer of higher rank as assigned.
17. Participates in station maintenance work.
18. Participates in physical fitness activities to maintain physical conditioning.
19. Performs other related duties as assigned.

KNOWLEDGE, SKILLS, ABILITIES:

Knowledge of:

Principles, practices, and procedures of modern firefighting.
Purposes, operation, and maintenance of firefighting vehicles, equipment, and apparatus.
Principles of hydraulics and their application to the operation of fire apparatus.
Principles of mechanics and mathematics as related to Fire Engineer duties.
Fire prevention principles and practices; Uniform Fire Code; Uniform Building Code.
Department policies, rules and instructions for firefighting and rescue activities.
Extrication and the use of extrication tools.
Geographical layout of the City of Glendale, automatic response areas, street names, locations and numbers, and location of hydrants.
Emergency Medical Technician, basic life support, and paramedic support procedures.
First responder hazardous materials and decontamination procedures.
Computerized data entry and retrieval systems.
Swift water and trench rescue techniques.

Ability to:

Drive and operate the full range of fire apparatus and equipment used by the department in a safe and effective manner.
Operate heavy motorized equipment at maximum operating efficiency consistent with safety and mechanical limitations.
Perform field calculations of hydraulics for the operation of equipment at emergency scenes.
Apply firefighting techniques and procedures; operate firefighting and rescue equipment.
Quickly analyze situations and adapt effective courses of action within areas of responsibility.
Demonstrate physical endurance, agility, strength and stamina under emergency conditions.
Deal with people under stressful situations.
Select and use appropriate equipment and apparatus for emergency situations
Understand and follow oral and written directions promptly and accurately.
Communicate effectively verbally and in writing.
Maintain effective working relationships with City staff and the general public.

WORKING CONDITIONS:

Work requires sustained physical activity, intense concentration, heavy lifting, climbing, working in heavy traffic, in confined, cramped areas, at considerable heights, under stressful conditions, exposure to extreme heat, adverse weather conditions, hazardous materials and contagious diseases.

MINIMUM QUALIFICATIONS:

High school education and successful passing of the Engineer Certification Packet, and three years experience as a City of Glendale firefighter.

Any equivalent combination of experience and education, which provides the required knowledge, skills and abilities, is qualifying.

SPECIAL REQUIREMENTS:

Shift consists of an average 52 hours per week: 24 hours on, 48 hours off duty.

Emergency Medical Technician Certification.

Valid Arizona Driver's License.

First responder Hazardous Materials Technician Certification.

Participation in a physical fitness program.

IN ADDITION:

1. Some assignments may require the performance of other essential and secondary duties.
2. Fire Engineers assigned as Certified Emergency Paramedics must perform these duties within the regulations and guidelines of the State of Arizona.
3. Fire Engineers assigned to the Hazardous Materials Team, as Hazardous Materials Technicians must meet the certification requirements and standards of the State of Arizona.