



# CITY OF OMAHA CLASS SPECIFICATION

**CLASSIFICATION TITLE: FIRE APPARATUS ENGINEER**

**BARGAINING UNIT: FIRE BARGAINING**

**CODE NUMBER: 8030**

**PAY RANGE CODE: 3 UF**

**REVISION DATE: 12/20/18**

## **NATURE OF WORK**

This is specialized work in the operation and driving of heavy fire equipment vehicles. Work involves ensuring that assigned vehicles and related equipment are in good working order. It also involves driving them to emergency scenes, assisting in placing them strategically, and staffing them to operate onboard and auxiliary equipment. An incumbent in this classification performs duties with some independence and receives direct supervision from a superior.

**ESSENTIAL FUNCTIONS** *(Any one position may not perform all the duties listed, nor do the listed examples include all of the duties that may be performed in positions allocated to this class.)*

Ensures that assigned vehicles and equipment are operational, that they are clean, that all required supplies are on board, that all oil and hydraulic levels are as recommended, and that the fuel tanks are filled.

In accordance with Department policies and procedures, drives emergency vehicles in a safe and efficient manner to emergency scenes, assists in determining optimum locations to park emergency vehicles, and operates auxiliary equipment such as aerial ladders, generators, and pumps.

Monitors the status of all equipment in use and provides service as needed or takes it out of service if no longer operational.

Performs the essential functions of Firefighter as needed.

Maintains regular job attendance in accordance with a schedule established for the position by the supervisor.

Performs other related duties as assigned or as the situation dictates within the scope of this classification.

## **REQUIRED KNOWLEDGE, SKILLS, COGNITIVE ABILITIES, PHYSICAL ATTRIBUTES, AND PERSONAL CHARACTERISTICS**

Knowledge of the standard operating procedures of firefighting.

Knowledge of the operation of standard fire equipment and repair methods and techniques.

Knowledge of fire pump theory.

Knowledge of the location of the streets in the City, especially those in the assigned area.

Knowledge of the location of fire hydrants, standpipes, sprinkler connections, and water mains in the assigned area.

Knowledge of the capacities of assigned apparatus and the operation of their hydraulic systems.

Knowledge of communication systems and their operations.

Knowledge of emergency medical treatment techniques.

Knowledge of fire codes and the contents of general orders, bulletins, and training materials.

Knowledge of departmental rules and regulations.

Knowledge of and ability to operate a computer or other technology using standard or customized computer or systems software applications appropriate to the assigned tasks.

Skill in the operation of assigned vehicles and equipment, including all firefighting and emergency medical materials and equipment.

Skill in the use of hand and power tools used to extinguish fires and in search and rescue procedures.

Ability to understand written and oral instructions and to listen effectively and follow oral instructions.

Ability to climb, balance, bend, carry, walk, pinch, and lift from 68 to 100% of the time.

Ability to drag, sit, and reach from 34 to 66% of the time.

Ability to crawl, crouch, kneel, lift, pull, push, and stand from 12 to 33% of the time.

Ability to use in excess of one hundred (100) pounds of force 12-33% of the time, in excess of fifty (50) pounds of force 34-66% of the time, and in excess of twenty (20) pounds of force >67% of the time to move objects.

Ability to assess relevant information quickly, make decisions as to courses of action, and react accordingly.

Ability to maintain alertness, observational skills, and memory recollection.

Ability to effectively communicate information orally and/or in writing with members of the community, Fire Department personnel, and other agency personnel.

Ability to learn and apply the training needed to extinguish fires, rescue trapped persons, mitigate hazardous materials incidents, and operate firefighting equipment.

Ability to locate objects and persons inside or near burning structures or objects and to estimate distances between objects or persons inside burning structures or objects.

Ability to learn and adapt to advances in computer and electronics device technology and software.

Ability to perform basic mathematical computations to include addition, subtraction, multiplication, and division.

Ability to operate assigned vehicles and equipment, including all firefighting and emergency medical equipment.

Ability to operate a fire pump to obtain safe hose line flows by either using or memorizing the charts and formulas which are provided in Omaha Fire Department SOP's.

Ability to obtain "pump prime" and to operate from a static water source in water compromised areas.

Ability to diagnose and safely react to equipment or operational challenges.

Ability to perform difficult physical procedures for prolonged periods wearing protective clothing, at time, in adverse weather conditions.

Ability to climb ladders and work at considerable heights.

Ability to carry, drag, or assist in carrying or dragging persons and equipment up and down ladders and stairs or across flat surfaces.

Ability to chop holes or pry openings in doors, walls, ceilings, roofs, and other surfaces to effect ventilation.

Ability to safely couple hose couplings and gate valves to fire hydrants.

Ability to apply hose clamps onto charged and uncharged hose lines.

Ability to hold charged hose lines and direct them at sources of fires.

Ability to remain calm, apply common sense, make logical decisions, and work effectively in stressful situations.

Ability to meet with victims, relatives and friends of victims, and members of the public to calm them or to gain or impart information.

Ability to co-exist and work cooperatively with a group of individuals for twenty-four hours at a time without regard for such characteristics as gender, race/ethnicity, or cultural background.

Ability to demonstrate self-confidence and self-reliance and to take action when required by the situation.

Ability to confront potentially dangerous situations.

Ability to adhere to safety policies, procedures, and guidelines.

Ability to complete work assignments and reports in a timely and efficient manner.

Ability to comprehend, and, at all times, adhere to the Firefighter Code of Ethics and the overall mission of the Omaha Fire Department.

Ability to have far visual acuity less than 20/40 binocular, corrected with contact lenses or spectacles. Far visual acuity less than 20/100 binocular for wearers of hard contacts or spectacles, uncorrected.

Ability to distinguish colors and be able to see peripherally in both eyes.

**EDUCATION AND EXPERIENCE** *(The knowledge, skills, and abilities above may be acquired through, but are not limited to, the following combination of education and/or experience.)*

High school graduation or its equivalent

AND

Three (3) years of experience as a Firefighter with the Omaha Fire Department.

**SPECIAL QUALIFICATIONS**

Must possess a valid motor vehicle operator's license.

Must be able to work varying shifts, weekends, and holidays.

**WORKING CONDITIONS**

Work is performed primarily in an industrial building setting or outdoors in all weather conditions, amid noise that requires shouting to be heard, in extremes of heat and cold, near or with vibrating machinery, mechanical equipment, and electrical currents, in high places and confined spaces, exposed to fumes, smoke, odors, poor ventilation, infectious diseases, hazardous materials, and fire.

An employee in this classification resides and works with a number of other employees in close proximity for up to twenty-four hours at a time.

An employee in this classification must maintain complete response readiness at all times which may require working in a sleep-deprived state.

An employee in this classification may also be exposed to blood and other bodily fluids which require adherence to the Universal Barrier Precautions.

**EQUIPMENT OPERATION** (Any one position may not use all of the tools and equipment listed nor do the listed examples comprise all of the tools and equipment that may be used in positions allocated to this classification.)

Fire Pumper, Aerial and Ladder Vehicles	Generators
Aerial Platform	Hose Lines, Clamps, and Fittings
Pump Panel	Water Pumps
Pressure Gauges	Gas and Electric Fans
Lighting Equipment	Hydraulic Equipment
Air Compressor	Ground Jacks and Jack Plates
Smoke Ejector	Foam Making Equipment
Block and Tackle	Deluge Set and Other Nozzles
Self Contained Breathing Apparatus	Water Line Advancement Equipment
Gate Valves	Hose Clamps
Communication Equipment	Sprinkler Stops
Power Saws	Ladders and Ladder Straps
Jaws of Life and Other Forced Entry Tools	Fire Extinguisher
Dry Chemicals	Water Drills
Zone Maps and Pre-plan Books	Utility Company Water Distribution Maps
City Maps and Street Guides	Tire Chains
Cutting Torch	Hand Tools
Radioactivity, Gas, and Other Detection Devices	
All Fire Fighting Tools and Equipment	
Computer/Electronic Device and Attendant Software	

Attachment "A"

**FIREFIGHTER'S CODE OF ETHICS**

As a Firefighter, my fundamental duty is to serve mankind; to safeguard lives and property; and to respect the Constitutional rights of all to liberty, equality, and justice.

I will keep my private life unsullied as an example to all; maintain courageous calm in the face of danger, scorn, or ridicule; develop self-restraint; and be constantly mindful of the welfare of others. Honest in thought and deed in both my personal and official life, I will be exemplary in obeying the laws of the land and the regulations of the department. Whatever I see or hear of a confidential nature or that is confided to me in my official capacity will be kept ever secret unless revelation is necessary in the performance of my duty.

I will never act officiously or permit personal feelings, prejudices, animosities or friendships to influence my decisions. I will perform my duties without fear or favor, malice or ill will, never employing unnecessary force or violence and never accepting gratuities.

I recognize the badge of my office as a symbol of public faith, and I accept it as a public trust to be held so long as I am true to the ethics of the fire service. I will constantly strive to achieve these objectives and ideals, dedicating myself before God to my chosen profession...fire prevention and suppression.

Approved:                   4-28-94  
                                      1-31-08  
                                      6-27-13