



**Code: 7355**  
Family: Construction, Maintenance, and Skilled Labor  
Service: Operation and Construction  
Group: River, Harbor, and Transportation  
Series: Marine

---

## **CLASS TITLE: MARINE PILOT - FIREBOAT**

### **CHARACTERISTICS OF THE CLASS**

Under direction, controls and commands the course of fireboats to and from the scene of incidents, and performs related duties as required

### **ESSENTIAL DUTIES**

- Assigns and directs the activities of all fireboat personnel
- Directs and inspects the performance of maintenance and repair functions relating to the engine room and auxiliary equipment
- Checks and maintains all navigational equipment to ensure that it is in proper operating condition
- Instructs crew in shipboard drills and emergency procedures (e.g. operation of fire extinguishing equipment, man overboard)
- Maintains radio logs and other records
- Maintains radio watch while officers and crew perform firefighting duties
- Prepares reports as necessary
- Oversees fuel transfer operations
- Monitors the boats position and course, using charts, maps, radars and other navigation equipment while underway, as required

**NOTE:** *The list of essential duties is not intended to be inclusive; there may be other duties that are essential to particular positions within the class.*

### **MINIMUM QUALIFICATIONS**

#### **Education, Training, and Experience**

- Five years of work experience in the navigation and piloting of a boat at least 100 tons or greater

#### **Licensure, Certification, or Other Qualifications**

- Merchant Mariner's Credential (MMC) issued by the United States Coast Guard
- Master 500 Gross Registered Ton (GRT) license upon Great Lakes and Inland Waters with Radar endorsement issued by the United States Coast Guard
- Master Towing Vessel license upon Great Lakes-Inland and Western Rivers issued by the United States Coast Guard
- Marine Radio Operator's Permit (MROP) from the Federal Communication Commission (FCC)
- Transportation Worker Identification Credential (TWIC) as issued by the Transportation Security Administration

### **WORKING CONDITIONS**

- General office environment
- Exposure to outdoor weather conditions

- Exposure to loud noise, fumes or dust, oily or wet environment

**EQUIPMENT**

- Communication equipment (e.g., two-way radio, dispatch communications equipment, multi-channel system)
- Personal protective equipment (e.g., hard hat, shoes, glasses, gloves, vest, pads)

**PHYSICAL REQUIREMENTS**

- Ability to walk and stand for extended or continuous periods of time
- Ability to move one's hands and arms to grasp or manipulate objects
- Ability to climb staircases, ladders, and/or step stools

**KNOWLEDGE, SKILLS, ABILITIES, AND OTHER WORK REQUIREMENTS****Knowledge**

Considerable knowledge of:

- \*navigational rules and regulations
- \*location of channels, floating bells, lights, landmarks, and signals
- \*methods and procedures applicable to navigating a fireboat
- \*applicable emergency operations

Some knowledge of:

- supervisory methods, practices, and procedures
- \*fireboat mechanical and electronic systems and equipment
- \*applicable communications equipment and devices
- \*use of safety equipment and protective gear
- \*applicable safety procedures and code standards specific to fireboat operations, including OSHA standards

Knowledge of applicable City and department policies, procedures, rules, regulations, and ordinances

**Skills**

- \*ACTIVE LISTENING - Give full attention to what other people are saying, take time to understand the points being made, ask questions as appropriate, and not interrupt at inappropriate times
- \*MONITORING - Monitor and assess performance of one's self, other individuals, or organizations to make improvements or take corrective action
- \*MANAGEMENT OF MATERIAL RESOURCES - Obtain and see to the appropriate use of equipment, facilities, and materials needed to do certain work
- \*COORDINATION WITH OTHERS - Adjust actions in relation to others' actions
- \*INSTRUCTING - Teach others how to do something
- \*JUDGEMENT AND DECISION MAKING - Consider the relative costs and benefits of potential actions to choose the most appropriate one
- \*EQUIPMENT MAINTENANCE - Perform routine maintenance on equipment and determine when and what kind of maintenance is needed

- \*EQUIPMENT SELECTION - Determine the kind of tools and equipment needed to do a job
- \*OPERATION AND CONTROL - Control operations of equipment or systems
- \*OPERATION MONITORING - Watch gauges, dials, or other indicators to make sure a machine is working properly

**Abilities**

- COMPREHEND ORAL INFORMATION - Listen to and understand information and ideas presented through spoken words and sentences
- SPEAK - Communicate information and ideas in speaking so others will understand
- COMPREHEND WRITTEN INFORMATION - Read and understand information and ideas presented in writing
- CONCENTRATE - Concentrate on a task over a period of time without being distracted
- RECOGNIZE PROBLEMS - Tell when something is wrong or is likely to go wrong
- RECOGNIZE SPATIAL ORIENTATION - Know one's location in relation to the environment or to know where other objects are in relation to one's self
- IDENTIFY PATTERNS - Identify or detect a known pattern (a figure, object, word, or sound) that is hidden in other distracting material
- ORGANIZE INFORMATION - Arrange things or actions in a certain order or pattern according to a specific rule or set of rules (e.g., patterns of numbers, letters, words, pictures, mathematical operations)

**Other Work Requirements**

- PERSISTENCE - Persist in the face of obstacles on the job
- INITIATIVE - Demonstrate willingness to take on job challenges
- LEADERSHIP - Demonstrate willingness to lead, take charge, and offer opinions and direction
- COOPERATION - Be pleasant with others on the job and display a good-natured, cooperative attitude
- ADAPTABILITY/FLEXIBILITY - Be open to change (positive or negative) and to considerable variety in the workplace
- DEPENDABILITY - Demonstrate reliability, responsibility, and dependability and fulfill obligations
- ATTENTION TO DETAIL - Pay careful attention to detail and thoroughness in completing work tasks

---

All employees of the City of Chicago must demonstrate commitment to and compliance with applicable state and federal laws, and City ordinances and rules; the City's Ethics standards; and other City policies and procedures.

The City of Chicago will consider equivalent foreign degrees, accreditations, and credentials in evaluating qualifications.

\* May be required at entry.

---

City of Chicago  
Department of Human Resources  
Minimum qualifications: revised September, 2018