



**Code: 7633**

Family: Construction, Maintenance, and Skilled Labor  
Service: Operation and Construction  
Group: Steam and Operation Engineering  
Series: Hoisting and Conveying Operation

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## **CLASS TITLE: HOISTING ENGINEER**

### **CHARACTERISTICS OF THE CLASS**

Under supervision, performs journey-level Hoisting Engineer work, operating heavy construction and off-road equipment used to excavate, lift, move and load earth, water and sewer pipes, and other heavy materials and equipment; and perform related duties as required

Class is a multi-rate title; rate of pay to individual positions is dependent on the Class (I, II and III or Mobile Crane) or type equipment operated

### **ESSENTIAL DUTIES**

- Drives and operates heavy construction and off-road equipment including front-end loaders, backhoes, compactors, pavers, graders and excavators at a work site to dig trenches, backfill, street and ground openings, asphalt street paving and tamping, and loading, lifting and setting pipe
- Operates air compressors, pumps and other power equipment at construction sites
- Controls and maneuvers heavy construction equipment by using switches, moving levers and foot pedals and applying knowledge of equipment operations
- Inspects equipment for operating condition, checking fluid levels, cables and hoses for wear and replacing worn parts to ensure safe and efficient operation
- Changes oil and lubricates moving parts at regularly scheduled intervals to ensure efficient performance of equipment
- Operates a mobile crane, requiring a Crane Operator's license, to lift materials and other heavy objects at a work site
- Prepares work activity reports

**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**

- Successful completion of a US Department of Labor registered Operating Engineer apprenticeship training program and journeyman status, or an equivalent combination of education, training and experience

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

- A commercial driver's license (CDL), Class A or B, as issued by the State of Illinois
- Positions operating a mobile crane must possess a Crane Operator's license as issued by the City of Chicago

### **WORKING CONDITIONS**

- Exposure to outdoor weather conditions
- Exposure to loud noise, fumes or dust, oily or wet environment
- Exposure to hazardous conditions (e.g., heavy machinery, construction sites)

## **EQUIPMENT**

- Personal protective equipment (e.g., hard hat, shoes, glasses, ear plugs, gloves, vest, pads)

## **PHYSICAL REQUIREMENTS**

- Some lifting (up to 100 pounds) is required
- Physical ability to operate various heavy equipment and machinery
- Physical ability to access cabs of heavy construction equipment

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

### **Knowledge**

Good knowledge of:

- operation of heavy-duty and off-road equipment and machinery
- standard preventative maintenance procedures used on heavy construction equipment
- safety rules and practices in the operation of heavy construction equipment
- use of safety equipment and protective gear

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

### **Skills**

- ACTIVE LEARNING - Understand the implications of new information for both current and future problem-solving and decision-making
- 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

### **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
- RECOGNIZE PROBLEMS - Tell when something is wrong or is likely to go wrong

### **Other Work Requirements**

- INITIATIVE - Demonstrate willingness to take on job challenges
- STAMINA - Demonstrate energy and stamina to accomplish work tasks
- DEPENDABILITY - Demonstrate reliability, responsibility, and dependability and fulfill obligations
- ATTENTION TO DETAIL - Pay careful attention to detail and thoroughness in completing work tasks

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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.

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City of Chicago  
Department of Human Resources  
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