



## Department-Approved Course Requirements: 8-Hour Hoisting Machine Operator Class B Rating

**Course Required for:**  License Rating

**Purpose:** This course is a prerequisite requirement for obtaining a rating for a Class B Licensed Hoisting Machine Operator.

**Duration:** 8 Hours of instructional time, excluding breaks & meals

**Class Size:** 1 – 50 Trainees

**NYC Requirement:** To apply for a rating, the Class B Licensed Hoisting Machine Operator must successfully complete a course of 8 hours in length as mandated by Section 28-405.3.2.2 of the New York City Administrative Code and 1 RCNY 104-09(h) of the Rules of the City of New York.

In addition to successfully completing this course, applicants for a rating must pass a practical exam. The practical exam must be conducted on i) a simulator acceptable to the commissioner, or ii) an appropriately configured crane. The practical exam must be witnessed by another HMO B licensee and recorded on video. Successful completion of the practical exam must be evidenced by submitting the Crane HMO B Rating Attestation form to the Department's licensing unit. If the course provider does not offer a practical exam the applicant must be made aware and make separate arrangements to complete the practical exam.

A separate course must be successfully completed for each manufacturer and carrier type (wheel mounted or crawler) for which a rating is sought.

**Facility Requirements:** The Training Facility used by the Course Provider must:

- Have sufficient room to accommodate all expected attendees and the equipment needed to perform hands-on exercises where required as part of the course.
- Make provisions for the presentation of training material in all media types (computer, projectors, video/DVD players, etc.); and
- Comply with all applicable laws, rules & regulations relating to occupancy, zoning, egress, fire detection, fire suppression, light, ventilation, cleanliness, sanitary facilities, emergency notification & evacuation procedures.

Training may be held at construction sites, provided the above requirements are met.

**Instructor Requirement:** To deliver this course the instructor(s) must have completed train the trainer training authorized by the manufacturer of the crane. Such training must be specific to the manufacturer and carrier type (wheel mounted or crawler) covered by the course. The instructor(s) must also successfully demonstrate his or her ability to solve or resolve problems relating to the subject matter by possession of a recognized degree, certificate, licensure or professional standing, or by extensive knowledge, training, and experience, in the subject matter being taught. To the extent that the course instructor(s) holds, or has held, a trade license issued by the Department, it must be in good standing and not be surrendered to, suspended by or revoked by the Department.

**Curriculum Requirement:** All **topics** listed under **Course Content Outline** must be covered using the listed **Instructional Delivery Method**. The time dedicated to each outline topic should be appropriate for the course content and can vary depending on the trade or job performed by the trainee. The **Instructional Delivery Materials** used in this course must contain all current applicable NYC Construction Code references, current rules, policies & bulletins.

**Course Content Outline**

1. Introduction
2. The controls of the crane, including differences in controls based on operation mode
3. The computer systems of the crane, including setup of the computer to match the configuration of the hoisting machine
4. Operational aids and safety devices of the crane
5. Wind and weather restrictions for the crane, including differences based on configuration, with emphasis on requirements when set up in configurations with a boom or boom/jib combination greater than 300 feet (91.44 m) in length
6. The procedures to boom up, jackknife, and laydown the boom or boom/jib combination of the hoisting machine, including differences based on configuration, with emphasis on requirements when set up in configurations with a boom or boom/jib combination greater than 300 feet (91.44 m) in length
7. NYC Buildings Unsafe Condition (311) Notification Procedure
8. NYC/DOI Buildings Integrity Training Contact Information Sheet
9. Review all Training Topics
10. Written (Multiple Choice) Assessment Classroom

**Instruction Delivery Method**

- Classroom Lecture/Discussion w A/V
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- Classroom Lecture/Discussion w A/V
- Classroom Lecture/Discussion w A/V
- Provide Copy to Trainee & Discuss
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- Discussion with Questions & Answers Classroom