

Course Required for:	Licensee Rating
Purpose:	This course is a prerequisite for obtaining a rating for a Class B Licensed Hoisting Machine Operator.
Duration:	<p>8 Hours of instructional time, excluding breaks and meals</p> <p>A single session may not exceed 9 1/2 hours, including breaks and meals. If two or more sessions are delivered the same day to the same student roster, a break must be scheduled between the sessions.</p>
Class Size:	1 – 50 Trainees
NYC Requirement:	<p>Per 1 RCNY 104-09 (h) (1) (i) (A-D): Prerequisites to obtain rating.</p> <p>To apply for a rating the Class B Licensed Hoisting Machine Operator must demonstrate to the satisfaction of the Commissioner that they has successfully completed, during the one (1) year immediately prior to the application to add such rating, for the make and model of hoisting machine for which the rating is sought, the following:</p> <p>(i) A course of at least 8 hours in length that meets the following requirements:</p> <ul style="list-style-type: none">(A) The course must be conducted by the manufacturer of the hoisting machine, an entity authorized by the manufacturer of the hoisting machine, a registered New York State Department of Labor apprenticeship training program, an educational institution or school chartered by the New York State Department of Education, or an entity acceptable to the Commissioner.(B) The course must be presented by an instructor who has been trained by the manufacturer of the hoisting machine.(C) The course must, at a minimum, include instruction on the following topics:<ul style="list-style-type: none">1. The controls of the hoisting machine, including differences in controls based on operation mode;2. The computer systems of the hoisting machine, including setup of the computer to match the configuration of the hoisting machine;3. Operational aids and safety devices of the hoisting machine;4. Wind and weather restrictions for 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; and5. The procedures to boom-up, jackknife, and lay down 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 (91.44m) in length.(D) Instruction on makes and models of hoisting machines deemed by the Commissioner to be substantially equivalent may be included in the course.

Delivery Requirements

This course contains:

- **Demonstration(s):** shows how something is done while emphasizing its merits. The demonstration may be delivered either by a person or a video. Video Demonstrations may be delivered by virtual live classroom however, on-demand self-study modules are not permissible.
- **Classroom Lecture/Discussion w A/V (Audio-Visual):** oral presentation by an instructor to present information or teach students about a particular subject. The instruction may be delivered by virtual live classroom; however, on-demand self-study modules are not permissible.
- **Handouts**
- **In-class Written Assessment**

This course may be delivered:

- **In-Person:** gathers participants in the same physical location at the same time. Provides face-to-face interaction with the opportunity for participants to share and discuss what they are learning. Allows Hands-On practical exercises.
- **Virtual Live:** a shared online space where learners and trainers work together simultaneously. Usually, these interactions take place through a videoconferencing platform (ex. Zoom, Microsoft Teams).
- **Hybrid:** a combination of In-Person and Virtual Live sessions. Although this course does not have a Hands-On component, the course provider may deliver the course as a combination of In-Person and Virtual Live sessions

This course may NOT be delivered:

- **On-Demand:** self-paced and can be taken anytime and anywhere from a device with internet access. No live instructor needed. On-Demand is only acceptable for courses that are SST only.

Virtual Live training must comply with the following:

- The course must be approved by the Department.
- The provider must confirm the identification of the individual taking such training by adhering to the actively proctored online format requirements
 - The provider must confirm the identification of the individual prior to providing secure access to the online training.
 - The individual must attest that they are the individual who received the online access and will complete the training without assistance. The online program must have secure access and monitor participation during the course of training to ensure that the individual receiving the training is present for the entirety of the training.
- The provider must ensure that participants have their web-cameras activated and are on-camera for the duration of class.

Facility Requirements:

Per 1 RCNY §105-03 (d) (4) Course Facilities:

The course facilities 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, projector, video/ DVD player, etc.) and
- Comply with all applicable laws, rules and regulations relating to occupancy, zoning, egress, fire detection, fire suppression, light, ventilation, cleanliness, sanitary facilities, emergency notification and evacuation procedures.

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

Instructor Requirements:

Per 1 RCNY §105-03 (e) Course Instructors:

Course providers must require that course instructor(s):

- Demonstrate that they are credentialed or trained in instructional methods and learning processes.
- Successfully demonstrate their 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.
- Comply with all applicable Federal, State, and local laws, rules, and regulations.
- Be in compliance with the Department’s Industry Code of Conduct.

Per 1 RCNY §104-09 (h) (1) (i) (B) Prerequisites to obtain rating.

- The course must be presented by an instructor who has been trained by the manufacturer of the hoisting machine.

Note: Such training must be specific to the manufacturer and carrier type (wheel-mounted or crawler) covered by the course.

Course Requirements:

Each section of the Course Content Requirements must be covered using its designated 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 licensee.

The Instructional Materials used in this course must contain all current applicable NYC Construction Code references, current rules, policies, and bulletins.

All statistics referenced should reflect the latest publicly available statistics. The selection of Case Studies should prioritize incidents in NYC since the prior renewal period and contain relevant and illustrative photos where available.

Refresher or Renewal Courses should focus on the updates since the prior renewal period.

Course Content Requirements

- 1. Introduction
- 2. Controls of the Crane
 - Including differences in controls based on operation mode
- 3. 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. Handouts
 - [NYC Buildings Unsafe Condition \(311\) Notification Procedure](#)
 - [NYC/DOI Buildings Integrity Training Contact Information Sheet](#)
- 8. Review All Training Topics
- 9. Written (Multiple Choice) Assessment

Instruction Delivery Method

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