



## Department-Approved Course Requirements: 1-Hour Manlifts/Aerial Lifts/Scissor Lifts Safety

<b>Course Required for:</b>	<input checked="" type="checkbox"/> <b>Worker Training</b>
<b>Purpose:</b>	This course is a specialized elective course that can help fulfill the requirement for an individual applying for a Site Safety Training Card. <b>THIS IS AN AWARENESS-LEVEL TRAINING ONLY and does not provide any other qualification or authorization outside of the Site Safety Training Card.</b>
<b>Duration:</b>	1 Hour of instructional time, excluding breaks
<b>Class Size:</b>	<b>1-40 Trainees</b>
<b>NYC Requirement:</b>	In order to continue to operate in the City of New York, the designated construction worker is required to complete a minimum number of hours of approved site safety training and to carry site safety identification cards as proof of completion of the training (As per New York City Local Law 196 of 2017 also known as 'LL196' or 'Local Law'). This course provides one hour towards the satisfaction of that requirement.
<b>Facility Requirements:</b>	<p>The Training Facility used by the Course Provider must:</p> <ul style="list-style-type: none"><li>• Have sufficient room to accommodate all expected attendees and the equipment needed to perform hands-on exercises where required as part of the course.</li><li>• Make provisions for the presentation of training material in all media types (computer, projectors, video/DVD players, etc.); and</li><li>• 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.</li></ul> <p>Training may be held at construction sites, provided the above requirements are met.</p>
<b>Instructor Requirement:</b>	<p>To deliver this course the instructor(s) must demonstrate that he or she is credentialed or trained in instructional methods and learning processes. 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.</p> <p>The instructor(s) must also be authorized by the Occupational Safety and Health Administration ('OSHA') as a trainer(s) for its Construction and Outreach Program.</p>
<b>Curriculum Requirement:</b>	All <b>topics</b> listed under <b>Course Content Outline</b> must be covered using the listed <b>Instructional Delivery Method</b> . 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 <b>Instructional Delivery Materials</b> used in this course must contain all current applicable NYC Construction Code references, current rules, policies and bulletins.

**Course Curriculum  
Proposal Package  
Review:**

A comprehensive review will be performed by the **Department of Buildings** to determine compliance with these Course Curriculum Requirements.

**Instruction Delivery Method**

- Media:** Lecture/Discussion, Slide Presentation, Scaffold inspection tags, Manufacturer training video
- Handouts:** Slides, references and handbook
- Guided Learning:** Instructor will guide trainees through various rigging and hoisting calculations and reductions of hitches as well as demonstrate how force (weight) changes (is dynamic)

**Course Content Outline**

1. Introduction
  - a. Instructor introduces topic and describes their qualifications and relevant experience for training this module.
  - b. Establish that all trainees can hear and fully understand you i.e. 'raise your hand if you fully understand me' or 'clap your hands if you fully understand me'
  - c. State basic classroom rules, bearings and decorum
    - i. Inform trainees of duration or training and breaks (if any)
    - ii. Remind trainees about limiting distractions (phone use, texting, sidebar conversations)
    - iii. Emergency procedures (location and means of egress, exits or other contingencies)
    - iv. Location of restrooms
  - d. Training Objectives and Expectations:
    - i. Trainees will become generally familiar with the different types of personnel lifts and the associated hazards.
    - ii. Trainees should become aware of administrative safety requirements associated with asbestos and lead in the workplace
2. Fatality Case Study about not tying-off in an aerial lift
  - a. Emphasize that training must be performed to make workers qualified in the use of personnel lifts according to manufacture, make and model specific equipment.
  - b. Reemphasize this IS NOT TRAINING for using personnel lifts.
3. Describe in general terms only the steps of using lifts
  - a. Loading
  - b. Operation
  - c. Traveling
  - d. Overhead Protection
4. Describe the difference and illustrate distinguishing characteristics between the following scaffolds (personnel lifts)
  - a. Mobile Scaffolds
    - i. Scissor lifts
    - ii. Baker-type
    - iii. Frame Scaffold with wheels

- b. Aerial Lifts
    - i. Articulating lifts
    - ii. Cherry pickers
    - iii. Bucket lifts
5. Describe the fall protections for use of Scissor lifts
6. Describe the fall protections for use Baker-type mobile scaffolds
7. Describe the fall protections for aerial lifts
8. Describe and demonstrate, through discussion and illustration the proper use of fall protection such as:
  - a. Personal Fall Arrest System
  - b. Fall Arrest Systems
  - c. Fall Restraint Systems
9. Describe the roles and responsibilities of:
  - a. Qualified Person
  - b. Competent Persons
10. Explain retraining of workers if an incident occurs, hazards are discovered, or a new lift is used
  - a. OSHA CFR 1926.503
11. Pre-use Inspection Process: Utilizing a typical manufacture checklist, guide trainees through the inspection process each item at a time with illustrations explaining the process and what deficiencies to look for.
12. Exercise: Review a personnel lift user manual and guide trainees to find requested information, such as:
  - a. What type of fall protection equipment to use
  - b. How to perform an emergency decent
  - c. How long to charge battery
13. Resources:
  - a. Applicable OSHA Standards Subpart L Title 29 CFR 1926.450
  - b. ANSI/ASME Regulations and Standards
  - c. Personnel User Manuals
  - d. Worker's Rights (See OSHA: <https://www.osha.gov/Publications/OSHA3146.pdf>)
  - e. OSHA Regional Map: <https://www.osha.gov/html/RAmap.html>
14. Debriefing (Informal evaluation)
  - a. Guided by instructor, trainees, in a class discussion talk about the course's content and means of delivery and provide verbal feedback to the instructor.
  - b. Instructor takes notes (either committing them to writing during discussion or ascribing them later into noted-comments).
  - c. Instructor applies lessons learned from debriefing to future trainings.
15. Written (Multiple Choice) Assessment utilizing cut sheet material from selected manufactures' manuals.