Department Approved Course Requirements

Course Title: 30-Hour Climber/Tower Crane Rigger

Course Required for: ☑ License Qualification

Purpose: This course is a Licensing requirement for all applicants for a NYC Climber/Tower Crane Rigger License.

Duration: 30 Hours of instructional time, excluding breaks & meals

Class Size: 1 – 50 Trainees

NYC Requirement: To work on Climber or Tower Cranes in NYC, all workers must successfully complete 30 hours of training as mandated by the 2014 Construction Code, Building Code Chapter 33 Safeguards during Construction or Demolition.

To work as a licensed Climber/Tower Crane Rigger in NYC the licensee must successfully complete 30 hours of training as mandated by the 2014 Building Code, Chapter 33 Safeguards during Construction or Demolition

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, projector, video/DVD player, 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 Requirements: 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.

Optional Instructor: Possess a valid Climber/Tower Crane Rigger license.

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.
Department Approved Course Requirements

Course Content Outline

1. Introduction to Cranes & Derricks
   Worker Training Requirements
   Climber or Tower Crane Rigger Requirements

2. CFR 29 OSHA 1926 Overview
   Subparts: E (PPE- Personal Protective Equipment),
   H (Material Handling, Storage),
   K (Electrical),
   L (Scaffolds),
   M (Fall Protection),
   CC (Cranes and Derricks in Construction)

3. Title 1 Rules of the City of New York
   Chapter 6 Cranes
   Chapter 9 Rigging

4. NYC Construction Codes Overview
   Cover all applicable code, rules, related Department policy statements,
   Regulatory notices, bulletins and memos, including:

5. NYC Department of Buildings Overview
   Cover all applicable administrative standard operating procedures, policy procedure
   notices, permits/department notifications, forms, filing and site documents, plans,
   inspection checklists/logs and wind and weather advisories

6. Crane & Derrick Safety Protocols & Emergency Procedures

7. Fall Protection

8. Crane Assembly & Disassembly

9. Pre-Lift Planning

10. Weights & Materials

11. Use of Slings

12. Lifting & Lowering Loads

13. Signaling & proper means of Communication with Operator

14. Crane & Hoist Inspections

15. Rigging Requirements

16. Reoccurring Jobsite Cranes & Derricks Safety Problems

17. Jobsite Cranes & Derricks Accident Statistics & Prevention

18. Jobsite Cranes & Derricks Accident Case Studies with Photos

19. NYC Buildings Unsafe Condition (311) Notification Procedure

20. NYC/DOI Buildings Integrity Training Contact Information Sheet

21. Review all Training Topics

22. Written (Multiple Choice) Assessment

Instruction Delivery Method

1. Classroom Lecture/Discussion w A/V

2. Classroom Lecture/Discussion with A/V

3. Classroom Lecture/Discussion w A/V

4. Classroom Lecture/Discussion with A/V

5. Classroom Lecture/Discussion with A/V

6. Classroom Lecture/Discussion w A/V

7. Classroom Lecture/Discussion w A/V

8. Classroom Lecture/Discussion w A/V

9. Classroom Lecture/Discussion w A/V

10. Classroom Lecture/Discussion w A/V

11. Classroom Lecture/Discussion w A/V

12. Classroom Lecture/Discussion w A/V

13. Classroom Lecture/Discussion w A/V

14. Classroom Lecture/Discussion w A/V

15. Classroom Lecture/Discussion w A/V

16. Classroom Lecture/Discussion w A/V

17. Classroom Lecture/Discussion w A/V

18. Classroom Lecture/Discussion w A/V

19. Provide Copy to Trainee & Discuss

20. Provide Copy to Trainee & Discuss

21. Discussion with Questions & Answers

22. Classroom