

<b>Course Required for:</b>	<input checked="" type="checkbox"/> <b>License Qualification</b>
<b>Purpose:</b>	This course is one of the requirements to become a Concrete Safety Manager.
<b>Duration:</b>	30 Hours of instructional time, excluding breaks & meals
<b>Class Size:</b>	1 – 50 Trainees
<b>NYC Requirement:</b>	To obtain a <b>Concrete Safety Manager</b> License, the applicant must complete & submit to the Licensing Unit a certificate of completion for 30 hours of training as mandated by the 2014 NYC Construction Codes, Building Code Chapter 33 §3310.9.1 Concrete Safety Manager; Local Law 40-2008 and Title 1 of Rules of the City of New York – Section 3310-02 Concrete Safety Managers
<b>Delivery Requirements:</b>	<p>Hybrid training is permitted for courses that contain both Classroom Lecture and Hands-On as the Instruction Delivery Methods.</p> <p>Where the Instruction Delivery Method indicates Hands-On, the instruction must be delivered onsite and in person. The students must physically handle the items during the Hands-On.</p> <p>Where the Instruction Delivery Method indicates Classroom Lecture/ Discussion w A/V, the instruction may be delivered via electronic format adhering to the Departments actively proctored policy.</p>
<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, projector, video/DVD player, etc.); and</li><li>• Comply with all applicable laws, rules &amp; regulations relating to occupancy, zoning, egress, fire detection, fire suppression, light, ventilation, cleanliness, sanitary facilities, emergency notification &amp; evacuation procedures.</li></ul>
<b>Instructor Requirements:</b>	<p>To deliver this course the instructor(s) must:</p> <ul style="list-style-type: none"><li>• 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, and</li><li>• Demonstrate that he or she possesses a valid Concrete Safety Manager or Site Safety Manager Certificate, and</li><li>• Comply with all applicable Federal, State, and local laws, rules and regulations, and the Department’s Industry Code of Conduct.</li></ul>
<b>Course Requirements:</b>	<p>All <b>topics</b> listed under <b>Course Content Requirements</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 licensee. The <b>Instructional Delivery Materials</b> used in this course must contain all current applicable NYC Construction Code references, current rules, policies &amp; bulletins.</p> <p>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.</p>
<b>Course References:</b>	American Concrete Institute (ACI) Publications including ACI 318 Building Code Requirements for Structural Concrete

**Course Content Requirements**

**Instruction Delivery Method**

<p>1. Introduction to Concrete Safety Management</p> <ul style="list-style-type: none"> <li>• Site Safety Manager &amp; Coordinator Description</li> <li>• Construction Superintendent Description</li> <li>• Concrete Safety Manager Description</li> <li>• Fire Safety Manager Description</li> </ul>	<p>Classroom Lecture/Discussion w A/V</p>
<p>2. Concrete Construction Site Accidents</p> <ul style="list-style-type: none"> <li>• Common Causes &amp; Prevention</li> <li>• Accident Statistics</li> <li>• Case Studies w/Photos</li> </ul>	<p>Classroom Lecture/Discussion w A/V</p>
<p>3. Responsibilities of a Concrete Safety Manager/Certification</p> <ul style="list-style-type: none"> <li>• Building &amp; Construction Sites that require a Concrete Safety Manager</li> <li>• Concrete Safety Managers- Duties from Title 1 Rules of the City of New York – Chapter 33 §3310-02.</li> <li>• Day in the Life of a Concrete Safety Manager using the Concrete Safety Manager Inspections Checklist</li> <li>• Steps to get or renew a Certificate</li> <li>• Discipline/suspension/revocation of a Certification</li> </ul>	<p>Classroom Lecture/Discussion w A/V</p> <p>Classroom Lecture/Discussion w H/O (Provide Copy)</p>
<p>4. OSHA 1926 Overview</p> <ul style="list-style-type: none"> <li>• Safety &amp; Health Regulations for Construction</li> <li>• Focus on Subpart Q – Concrete &amp; Masonry Construction</li> </ul>	<p>Classroom Lecture/Discussion w A/V</p>
<p>5. NYC Codes Overview – cover all applicable codes, rules, related department policy statements, regulatory notices, bulletins, and memos including:</p> <ul style="list-style-type: none"> <li>• Title 1 Rules of the City of New York <ul style="list-style-type: none"> <li>◦ Chapter 3300 §3310-02 Concrete Safety Managers</li> </ul> </li> <li>• NYC Fire Code'08 <ul style="list-style-type: none"> <li>◦ Chapter 14 Fire Safety during Construction, Alteration &amp; Demolition</li> </ul> </li> <li>• NYC Department of Transportation (DOT) <ul style="list-style-type: none"> <li>◦ Regulations &amp; Permits</li> <li>◦ Traffic &amp; Traffic Control</li> <li>◦ Manual on Uniform Traffic Control Devices</li> </ul> </li> <li>• NYC Department of Environmental Protection (DEP) <ul style="list-style-type: none"> <li>◦ Regulations for Concrete Disposal BC 3320</li> </ul> </li> <li>• Building Code '68 – All applicable concrete sections still in effect</li> <li>• Construction Codes '08 - General Administrative Provisions</li> <li>• Building Code '08 – All applicable sections including: <ul style="list-style-type: none"> <li>◦ Update Pages/Local Laws promulgated after July 1, 2008;</li> <li>◦ Chapter 1 Administration - Permits, Maintenance, Enforcement &amp; Licensing;</li> <li>◦ Chapter 19 Concrete;</li> <li>◦ Chapter 35 Reference Standards;</li> </ul> </li> <li>• Building Code '22 – All applicable sections including: <ul style="list-style-type: none"> <li>a. Chapter 17 Structural Tests and Special Inspections</li> <li>b. Chapter 18 Soils and Foundations including: <ul style="list-style-type: none"> <li>• 1812.1.1 Materials</li> <li>• 1812.1.3 Concrete or Grout Placement</li> <li>• 1815.7 Grout Sampling and Testing</li> </ul> </li> <li>c. Chapter 19 Concrete</li> <li>d. Chapter 33 Safeguards during Construction or Demolition</li> </ul> </li> </ul>	<p>Classroom Lecture/Discussion w A/V</p>

<p>6. NYC Department of Buildings Overview – cover all applicable:</p> <ul style="list-style-type: none"> <li>• Administrative standard operating procedures,</li> <li>• Policy &amp; procedure notices,</li> <li>• Permits/department notifications,</li> <li>• Forms,</li> <li>• Filing &amp; site documents,</li> <li>• Plans,</li> <li>• Inspection checklists/logs and</li> <li>• Wind &amp; weather advisories</li> </ul>	<p>Classroom Lecture/Discussion w A/V</p>
<p>7. Concrete Construction &amp; Stripping Operations</p> <ul style="list-style-type: none"> <li>• Formwork Design</li> <li>• Rebar Handling</li> <li>• Concrete Pumping</li> <li>• Hazardous Materials BC 3313</li> <li>• Material Handling Equipment BC 3320</li> <li>• Shoring &amp; Reshoring</li> <li>• Protection of Pedestrians BC 3307</li> <li>• Safety Netting BC 3308</li> </ul>	<p>Classroom Demonstration w A/V Classroom Demonstration w A/V Classroom Demonstration w A/V Classroom Lecture/Discussion w A/V Classroom Demonstration w A/V Classroom Demonstration w A/V Classroom Demonstration w A/V Classroom Demonstration w A/V</p>
<p>8. Concrete Inspection Operations</p> <ul style="list-style-type: none"> <li>• Pre-Placement,</li> <li>• Placement &amp;</li> <li>• Post-Placement</li> </ul>	<p>Classroom Demonstration w A/V</p>
<p>9. Rigging, Scaffold, Hoisting, Lift, &amp; Crane Operations</p> <ul style="list-style-type: none"> <li>• Scaffolds BC 3314</li> <li>• Material Hoists BC 3317</li> <li>• Personal Hoists BC 3318</li> <li>• Cranes &amp; Derricks BC3319 including Signaling</li> </ul>	<p>Classroom Demonstration w A/V</p>
<p>10. Site Safety Plan Requirements for Concrete</p>	<p>Classroom Lecture/Discussion w A/V</p>
<p>11. Safety Protocols for Concrete – including:</p> <ul style="list-style-type: none"> <li>• Fall Protection for existing &amp; new concrete-embedded fall arresting systems</li> </ul>	<p>Classroom Lecture/Discussion w A/V</p>
<p>12. Jobsite Concrete Safety Violations</p>	<p>Classroom Lecture/Discussion w A/V</p>
<p>13. Safe Use of Concrete Tools on the Jobsite</p>	<p>Classroom Lecture/Discussion w A/V</p>
<p>14. Reoccurring Jobsite Concrete Safety Problems</p>	<p>Classroom Lecture/Discussion w A/V</p>
<p>15. Jobsite Emergency Situations &amp; Preparedness Procedures</p>	<p>Classroom Lecture/Discussion w A/V</p>
<p>16. Handouts</p> <ul style="list-style-type: none"> <li>• <a href="#">NYC Buildings Unsafe Condition (311) Notification Procedure</a></li> <li>• <a href="#">NYC/DOI Buildings Integrity Training Contact Information Sheet</a></li> <li>• <a href="#">Building Bulletin 2021-003</a></li> <li>• <a href="#">Concrete Safety Manager Inspections Checklist</a></li> </ul>	<p>Provide Copy to Trainee &amp; Discuss</p>
<p>17. Review all Training Topics</p>	<p>Discussion with Questions &amp; Answers</p>
<p>18. Written (Multiple Choice) Test</p>	<p>Classroom</p>