

Course Required for:	<input checked="" type="checkbox"/> Licensee Continuing Education
Purpose:	This course is a requirement for all Master and Special Electricians to maintain his/her license to work in New York City.
Duration:	8 hours per year; 24 hours of instructional time over a three-year Electrical Code cycle, excluding breaks & meals
Class Size:	1 – 50 Trainees
NYC Requirement:	To renew a NYC Master or Special Electrical License or maintain current under a deactivated license, the applicant must complete this course and submit a certificate of completion to the Licensing Unit as mandated by NYC Administrative Code 27- 3015, 1 RCNY §104-06 Continuing Education & §105-03 Department Approved Courses.
Delivery Requirements:	<p>Hybrid training is permissible 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 by virtual live classroom; however, self-study modules are not permissible.</p>
Facility Requirements:	<p>The Training Facility used by the Course Provider must:</p> <ul style="list-style-type: none"> • Have sufficient room to accommodate all expected students. • 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.
Instructor Requirements:	<p>To deliver this course the instructor(s) must:</p> <ul style="list-style-type: none"> • Demonstrate credentials or training in instructional methods and learning processes through licensure or certification, including but not limited to certification as an electrical course provider in jurisdictions following the National Electric Code/NFPA 70. 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 • comply with all applicable Federal, State, and local laws, rules and regulations, and the Department’s Industry Code of Conduct.
Course Requirements:	<p>All topics listed under Course Content Requirements 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 licensee. The Instructional Delivery Materials used in this course must contain all current applicable 2011 NYC Electrical Code amendments, references, current rules, policies, bulletins & chapters, articles & sections in the 2008 National Electrical Code.</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> <p>Refresher or Renewal Courses should focus on the updates since the prior renewal period.</p>

Course Content Requirements

1. Introduction to the Electrical Education Program
2. OSHA 1926 Overview - Safety & Health Regulations for Construction/Electrical
3. Review of Changes between the NYC 2007 & 2022
 - Local Law 39 of 2015 (Int. No. 433-A)
 - Local Law 46 of 2017 (Int. No. 247-A)
 - Local Law 108 of 2013 (Int. No. 1092-A)
 - Local Law 130 of 2013
 - Buildings Bulletin 2013-016
 - Local Law 78 of 2017
4. NYC Electrical Code Overview of Administrative Provisions – Cover all applicable
 - Administrative standard operating procedures,
 - Policy & procedure notices,
 - Permits/department notifications/forms,
 - Filing and site documents,
 - Plans, and
 - Inspection checklists/logs;
 - Major changes between the NYC 2008 Electrical Code and NYC 2011 Electrical Code; and NYC 2011 Electrical Code Title 27-3013 through 27-3018,
 - excluding Section 27-3016.1 and 1 RCNY 34-04
5. NYC Electrical Code Overview of Technical Provisions- cover 2008 NEC, NYC Amendments to 2008 NEC & the following articles & code sections:
 - Article 100 Definitions
 - Coordination (Selective). Electric Closet
 - Article 110 Requirements for Electrical Installations.
 - 110.2 (A), (B) & (C)
 - 110.25 Electric Closets
 - 110.34 Rear access to work on equipment
 - Article 210 Branch Circuits
 - 210.11(C) (4) Air-Conditioning Branch Circuit
 - 210.19 (A) (1), 210.19 (A) (4) & Exception No.3
 - 210.25 Branch Circuits in Buildings
 - 210.52 (I) Residential A/C Outlet Requirements
 - Article 215 Feeders, Minimum Rating and Size
 - 215.2 (A) (1) & (3) Feeder conductors & Exceptions #3,4, &5
 - Article 220 Branch-Circuit, Feeder, and Service Calculations
 - 220.14 (L) Other Loads – All Occupancies (NEC)
 - 220.14 (M) Air Conditioning Circuits
 - 220.87 Determining Existing Loads
 - Article 225 Outside Branch Circuits and Feeders
 - 225.10 Wiring on Buildings
 - 225.36 Suitable for Service equipment
 - Article 230 Services
 - 230.6 (5) Conductors Considered Outside the Building
 - 230.43 Wiring Methods for 600 Volts, Nominal, or Less
 - 230.46 Un-spliced Conductors
 - 230.54 Overhead Service Locations
 - 230.70 (A) (1) Readily Accessible Location
 - Article 250 Grounding and Bonding
 - 250.52(A) (1) Metal Underground Water Pipe*
 - Article 334 Nonmetallic-Sheathed Cable
 - 334.10 Uses Permitted
 - 334.12 Uses Not Permitted
 - Article 352 Rigid Polyvinyl Chloride Conduit: Type PVC
 - 352.10 Uses Permitted
 - 352.12 Uses Not Permitted
 - Article 362 Electrical Nonmetallic Tubing: Type ENT
 - 362.10 Uses Permitted
 - 362.12 Uses Not Permitted

Instruction Delivery Method

- Classroom Lecture w A/V Support
Classroom Lecture/Discussion w A/V
- Classroom Lecture/Discussion w A/V
- Classroom Lecture/Discussion w A/V
- Classroom Lecture/Discussion w A/V

- Article 430 Motors, Motor Circuits & Controllers
 - 430.52 Rating or Setting for Individual Motor Circuit (NEC)
 - Article 450 Transformer & Transformer Vault
 - 450.3 Overcurrent Protection (NEC)
- Classroom Lecture/Discussion w A/V
5. NYC Electrical Code Overview of Technical Provisions
cont'd
- Article 517 Health Care Facilities
 - 517.30 (B) (4) Transfer Switches (NEC)
 - 517.41(B) Transfer Switches (NEC)
 - Article 590 Temporary Installations
 - 590.8 Sidewalk Shed Lighting
 - Article 604 Manufactured Wiring Systems
 - 604.1(A) General
 - Article 620 Elevators
 - 620.21 Wiring Methods
 - Article 680 Swimming Pools
 - 680.6 Grounding (NEC)
 - Article 690 Solar Photovoltaic Systems
 - 690.1 Photovoltaic System Diagram
 - 690.64 Point of Connection
 - Article 695 Fire Pumps
 - Article 700 Emergency Systems
 - All NYC Amendments
 - Article 701 Legally Required Standby Systems
 - All NYC Amendments
 - Article 760 Fire Alarm Systems
 - All NYC Amendments
6. NYC Department of Buildings Overview – cover 1 RCNY 12-01 Emergency Power System Requirements and all applicable related:
- Department policy statements,
 - Regulatory notices, bulletins & memos,
 - Administrative standard operating procedures,
 - Policy & procedure notices
 - Permits/department notifications,
 - Forms,
 - Filing & site documents,
 - Plans,
 - Inspection checklists/logs and
 - Wind & weather advisories
- Classroom Lecture/Discussion w A/V
7. Electrical Business Practices Classroom Lecture/Discussion w A/V
8. Electrical Jobsite Safety & Hazards Classroom Lecture/Discussion w A/V
9. Electrical New Technology Classroom Lecture/Discussion w A/V
10. Handouts Provide Copy to Trainee & Discuss
- [NYC Buildings Unsafe Condition \(311\) Notification Procedure](#)
 - [NYC/DOI Buildings Integrity Training Contact Information Sheet](#)
 - [BC Chapter 27 Electrical Changes and Other Requirements Website](#)
11. Review all Training Topics Discussion with Questions & Answers