



2026 NEC Analysis of Changes - Part 3

Course Description, Performance Objectives and Timed Agenda of the Course Outline (4 Continuing Education Hours)

Course Description

This online course analyzes the major changes to the National Electrical Code (NEC®) for the 2026 cycle. Members of the eighteen NEC® code-making panels contributed to the development of the authoritative text used in this online course.

The course covers more than 100 of the most significant code changes in articles 440 through 625. Specifically, the course examines equipment for general use, specific occupancies and specific equipment.

Performance Objectives

Upon successful completion of this course, the student will be able to:

- Identify code changes related to air-conditioning and refrigeration equipment
 - Understand generator and capacitor code changes
 - Explain code changes related to stationary batteries
 - Discuss code changes related to equipment over 1000 volts ac and 1500 volts dc
 - Summarize Hazardous (classified) locations code changes
 - Explain code changes related to Class I Locations and commercial garages, repair and storage
 - Identify cannabis oil equipment and systems code changes
 - Understand code changes related to aircraft hangers and motor fuel dispensing facilities

 - Describe code changes related to health care facilities
 - Discuss code changes related to carnivals, fairs, manufactured buildings and relocatable structures
 - Understand agricultural building code changes
 - Explain code changes related to mobile and manufactured homes
 - Describe code changes related to recreational vehicles, marinas and docking facilities

 - Summarize electric signs and outline lighting code changes
 - Identify code changes to manufactured wiring systems
 - Explain code changes to elevators, dumbwaiters, escalators, moving walks, platform lifts, and stairway chairlifts
- Understand electric self-propelled vehicle power transfer systems (ESVSEs) code changes

- Discuss code changes related to electric vehicle power transfer systems

Timed Agenda of the Course Outline

(4 Continuing Education Hours)

Module 1

(0:00 - 4:02)

Introduction

(4 minutes)

- Introduction (0:05) (14 secs)
- Navigating Course Content (0:19) (1 min 30 secs)
- Course Completion and Testing (1:50) (53 secs)
- IAEI Legal Requirements (2:43) (27 secs)
- Copyright (3:10) (22 secs)
- Course Description (3:33) (30 secs)

Module 2

(4:02 - 27:33)

Articles 440 to 480

(24 minutes)

- Lesson 1: Articles 440 - 480 (4:02) (19 secs)
- Article 440 (4:21) (13 secs)
- 440.2(B) Listing Requirements / Field Installed Electric Heaters (4:34) (1 min 56 secs)
- 440.11 General (6:30) (1 min 48 secs)
- 440.15 Split-System Disconnect Identification (8:18) (2 mins 35 secs)
- Article 445 (10:32) (9 secs)
- 100 Definitions - Generator (Generator Set) (10:42) (3 mins 16 secs)
- 100 Definitions - Generator Terminals (13:58) (3 mins 16 secs)
- 445.13 Conductors - Minimum Ampacity and Size (17:14) (2 mins 13 secs)
- 445.19(B) Remote Emergency Shutdown (19:27) (2 mins 3 secs)
- Article 460 (21:29) (8 secs)
- 460.3 Reconditioning (21:37) (1 min 53 secs)
- Article 480 (23:30) (11 secs)
- 480.8 Grounding of Battery Stands and Conductive Cases (23:42) (2 mins 8 secs)
- 480.14 Overcharge Control (25:42) (2 mins 0 secs)
- Lesson Test (27:26) (0 secs)

Module 3

(27:33 - 43:52)

Articles 495 to 500

(16 minutes)

- Lesson 2: Articles 495 - 500 (27:33) (6 secs)
- Article 495 (27:52) (44 secs)
- 495.2 Listing Requirements (28:07) (1 min 23 secs)
- 495.4 Enclosures in Damp or Wet Locations (31:04) (2 mins 57 secs)
- 495.22 Isolating Means (33:21) (2 mins 17 secs)
- 495.26 Grounding Switches (35:33) (2 mins 11 secs)
- 495.36 Switchgear Enclosure and Installation (38:16) (2 mins 44 secs)
- Chapter 5 (40:14) (33 secs)
- Article 500 - Hazardous (Classified) Locations, Classes I, II, and III, Divisions 1 and 2 (40:28) (6 secs)

- 500.5 Classifications of Location / 500.5(D)(1)(a) and (b) Class III, Division 1 (41:01) (2 mins 1 sec)
- Lesson Test (43:49) (0 secs)

Module 4

(43:52 - 65:20)

Articles 501 to 514

(21 minutes)

- Lesson 3: Articles 501 - 514 (43:52) (34 secs)
- Article 501 - Class I Locations (44:16) (51 secs)
- 501.3(A) Reconditioned Equipment / Permitted to be Installed (44:49) (1 min 54 secs)
- 501.10 Wiring Methods / (A)(1) (47:14) (2 mins 32 secs)
- 501.130(C) Luminaires / Luminaire Retrofit Kits (49:38) (3 mins 3 secs)
- Article 511 - Commercial Garages, Repair and Storage (52:13) (1 min 2 secs)
- 511.5(C) Area Classification, General / Repair Garages, Major and Minor (52:46) (2 mins 35 secs)
- Article 512 (54:57) (3 secs)
- 512.6 Prohibited Locations (55:29) (1 min 42 secs)
- Article 513 - Aircraft Hangers (57:32) (59 secs)
- 513.8 Underground Wiring (57:57) (2 mins 26 secs)
- Article 514 (60:19) (43 secs)
- 514.11(A) Circuit Disconnects / Emergency Electrical Disconnects (60:44) (2 mins 35 secs)
- 514.13 Provisions for Maintenance and Service of Dispensing Equipment (63:19) (2 mins 2 secs)
- Lesson Test (65:17) (0 secs)

Module 5

(65:20 - 96:26)

Articles 120.82 to 130

(31 minutes)

- Lesson 4: Articles 517 (65:20) (26 secs)
- Article 517 - Health Care Facilities (65:32) (6 secs)
- 517.4 Electrical Service (66:05) (2 mins 36 secs)
- 517.7 Patient Care Space Risk Categories (68:12) (2 mins 1 sec)
- 517.10(B) Applicability / Not Covered (70:31) (2 mins 22 secs)
- 517.15 Multiwire Branch Circuits (73:25) (2 mins 11 secs)
- 517.20(A) Wet Procedure Locations / Receptacles and Fixed Equipment (75:21) (2 mins 8 secs)
- 517.26 Application of Other Articles (77:39) (1 min 27 secs)
- 517.28 Signs (79:51) (1 min 14 secs)
- 517.30 Sources of Power (81:39) (1 min 58 secs)
- 517.41 Required Power Sources (83:56) (2 mins 34 secs)
- 517.42 Essential Electrical Systems (86:27) (3 mins 19 secs)
- 517.42(F) Essential Electrical Systems / Coordination (89:51) (3 mins 2 secs)
- 517.70 Diagnostic Imaging and Treatment Equipment / Applicability (94:13) (2 mins 12 secs)

- Lesson Test (96:23) (0 secs)

Module 6

(96:26 - 125:33)

Articles 525 to 550

(29 minutes)

- Lesson 5: Articles 525 - 550 (96:26) (6 secs)
- Article 525 - Carnivals, Circuses, Fairs, and Similar Events (96:49) (40 secs)
- 525 Carnivals, Circuses, Fairs, and Similar Events (97:15) (2 mins 15 secs)
- 525.11 Generators (99:04) (2 mins 12 secs)
- 525.21 Disconnecting Means (101:21) (2 mins 36 secs)
- 525.22 Portable Wiring Inside Tents and Concessions (103:11) (2 mins 13 secs)
- 525.25 Lighting (105:14) (4 mins 15 secs)
- 525.31 Equipment Grounding (107:39) (1 min 46 secs)
- Article 545 - Manufactured Buildings and Relocatable Structures (110:00) (22 secs)
- 545.22(D) Power Supply / Grounding (110:24) (1 min 30 secs)
- 545.26 Bonding of Exposed Non-Current-Carrying Metal Parts (112:31) (2 mins 20 secs)
- Article 547 - Agricultural Buildings (114:54) (6 secs)
- 547.44(C) Equipotential Planes and Bonding of Equipotential / Construction (115:14) (2 mins 56 secs)
- Article 550 - Mobile Homes, Manufactured Homes, and Mobile Home Parks (117:29) (5 secs)
- Article 550 Restructure (118:00) (2 mins 8 secs)
- 550.51(A) Service Equipment / Mobile Home Service Equipment (121:11) (2 mins 23 secs)
- 550.51(E) Service Equipment / Replacement Home (123:35) (2 mins 44 secs)
- Lesson Test (125:30) (0 secs)

Module 7

(125:33 - 150:28)

Articles 551 to 604

(25 minutes)

- Lesson 6: Articles 551 - 604 (125:33) (40 secs)
- Article 551 - Recreational Vehicles and Recreational Vehicle Parks (125:55) (45 secs)
- 551.71(A) Alternating-Current (ac) Type Receptacles Provided / Recreational Vehicle Sites (126:25) (2 mins 23 secs)
- Article 555 - Marinas, Boatyards, Floating Buildings, and Docking Facilities (129:19) (20 secs)
- 555.9 Engineered Design (129:52) (1 min 43 secs)
- 555.15 Servicing and Replacing of Equipment (132:18) (1 min 38 secs)
- 555.35 GFPE and GFCI Protection_AN (134:55) (3 mins 18 secs)
- 555.35(A) GFPE and GFCI Protection / Feeders and Branch Circuits (137:09) (2 mins 38 secs)
- 555.35(B) GFPE and GFCI Protection / Fire Pump Circuits (139:44) (2 mins 22 secs)

- 555.35(F) GFPE and GFCI Protection / Coordination and Performance Testing (143:10) (1 min 49 secs)
- Article 600 - Electric Signs and Outline Lighting (145:43) (30 secs)
- 600.4 Markings (146:05) (39 secs)
- Article 604 - Manufactured Wiring Systems (146:40) (1 min 25 secs)
- 604.100 Construction (147:09) (1 min 53 secs)
- Lesson Test (150:25) (0:00)

Module 8

(150:28 - 176:21)

Articles 620 to 624

(26 minutes)

- Lesson 7: Articles 620 - 624 (150:28) (33 secs)
- Article 620 - Elevators, Dumbwaiters, Escalators, Moving Walks, Platform Lifts, and Stairway Chairlifts (150:49) (27 secs)
- 620.16(C) Short-Circuit Current Rating / Available Fault Current Field Marking (151:06) (2 mins 30 secs)
- 620.22(A)(1) Branch Circuits for Car Light Receptacle(s), Ventilation, Heating and Air-Conditioning / Separate Branch Circuit (153:32) (2 mins 33 secs)
- 620.51(A) Disconnecting Means / Type, Exception No. 3 (155:33) (2 mins 4 secs)
- 620.51(E) Disconnecting Means / Surge Protection (157:42) (2 mins 31 secs)
- 620.62 Selective Coordination / (B) Replacements (159:48) (2 mins 58 secs)
- Article 624 - Electric Self-Propelled Vehicle Power Transfer Systems (ESVSEs) (162:20) (6 secs)
- 624 Electric Self-Propelled Vehicle Power Transfer Systems (ESVSEs) (162:46) (3 mins 11 secs)
- 100 Definitions - Electric Self-Propelled Vehicle (ESV) (165:32) (2 mins 47 secs)
- 100 Definitions - Electric Self-Propelled Vehicle Supply Equipment (ESVSE) (167:56) (1 min 13 secs)
- 100 Definitions - Electric Self-Propelled Vehicle Power Export Equipment (ESVPE) (171:56) (3 mins 3 secs)
- Lesson Test (176:18) (0 secs)

Module 9

(176:21 - 201:53)

Article 230

(26 minutes)

- Lesson 8: Article 625 (176:21) (36 secs)
- Article 625 - Electric Vehicle Power Transfer System (176:33) (6 secs)
- 625.4 Qualified Persons (176:59) (2 mins 26 secs)
- 625.5 Field Markings (178:54) (2 mins 1 sec)
- 625.41 Continuous Load (181:01) (2 mins 9 secs)
- 625.42 Rating (183:19) (2 mins 6 secs)
- 625.42(A) Power Control System (PCS) (186:20) (2 mins 32 secs)
- 625.42(B) EVSE with Adjustable Settings (189:04) (2 mins 22 secs)
- 625.43 Disconnecting Means (191:50) (2 mins 41 secs)
- 625.43(B) Multifamily Dwellings (194:44) (2 mins 4 secs)
- 625.43(C) Equipment Disconnects (195:10) (1 min 44 secs)

- 625.43(D) Emergency Shutoff (195:53) (2 mins 18 secs)
- 625.44 Equipment Connection (196:43) (3 mins 49 secs)
- 625.54 GFCI and SPGFCI Protection (199:05) (55 secs)
- Lesson Test (201:53) (0 secs)

Timeline Adjustments:

Questions: 40 quiz questions @ 30 seconds each

(20 minutes)

Total Course Time:

222 minutes