



2026 NEC Analysis of Changes - Part 2

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 120 of the most significant code changes in articles 240 through 430. Specifically, the course examines wiring and protection, wiring methods and materials as well as equipment for general use.

Performance Objectives

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

- Explain code changes related to grounding and bonding
- Identify changes to branch circuits and feeders over 1000 volts
- Summarize code changes to outside branch circuits and feeders over 1000 volts
- Discuss code changes related to services over 1000 volts
- Describe code changes for grounding and bonding to systems over 1000 volts
- Explain code changes to the general requirements for wiring methods and materials
- Identify code changes related to conductors for general wiring
- Discuss code changes to cutout boxes, junction boxes, and medium voltage conductors
- Understand changes related to armored, metal-clad and mineral insulated cables
- Summarize code changes for reconditioned equipment
- Understand changes related to nonmetallic-sheathed and service-entrance cables
- Describe code changes to underground feeder (UF) cables and intermediate metal conduit (IMC)
- Explain code changes to cable trays and low-voltage suspended ceiling power distribution systems
- Identify code changes related to switches and wiring devices
- Discuss switchboards and luminaires code changes
- Describe code changes related to appliances, electric deicing and snow-melting equipment
- Understand motors, motor circuits and controllers code changes

Timed Agenda of the Course Outline

(4 Continuing Education Hours)

Module 1

(0:00 - 4:02)

Introduction

(4 minutes)

- Introduction (0:05) (0:14)
- Navigating Course Content (0:19) (1:31)
- Course Completion and Testing (1:50) (0:53)
- IAEI Legal Requirements (2:43) (0:27)
- Copyright (3:10) (0:22)
- Course Description (3:32) (0:30)

Module 2 (4:02 - 30:06)
Code-Wide and Article 100 (26 minutes)

- Lesson 1, Article 240 (4:02) (0:11)
- Article 240 - Overcurrent Protection (4:13) (0:41)
- 100 Definitions - Overcurrent Protective Device (OCPD) (4:54) (1:26)
- 240.2 Listing Requirements (6:20) (2:17)
- 240.7 Overcurrent Protective Devices (8:37) (1:49)
- 240.13 Ground-Fault Protection of Equipment (GFPE) (10:26) (2:16)
- 100 Definitions - Transformer Secondary Conductor (12:42) (0:12)
- 240.21 Location in Circuit (12:54) (3:05)
- 240.24(E) Location in or on Premises / Not Located in Bathrooms (15:59) (2:10)
- Article 242 - Overvoltage Protection (18:09) (0:36)
- 242.2 Listing Requirements (18:45) (1:49)
- 242.3 Reconditioned Equipment (20:34) (2:11)
- 242.14 Type 2 SPDs (22:45) (2:24)
- Overcurrent Protection for systems Rated Over 1000 Volts ac, 1500 Volts dc, Nominal (25:09) (0:18)
- 245.2 Listing Requirements (25:27) (2:36)
- 245.6 Adjustable Relays and Trip Units (28:03) (1:55)
- Lesson Test (29:58) (0:00)

Module 3 (30:06 - 57:17)
Article 110 (27 minutes)

- Lesson 2: Article 250 (30:06) (0:10)
- Article 250 - Grounding and Bonding (30:16) (0:46)
- 100 Definitions - Bonding Conductor, Grounding Electrode (Grounding Electrode Bonding Jumper). (Grounding Electrode Bonding Conductor) (31:02) (0:21)
- 100 Definitions - Bonding Jumper, Impedance (Impedance Bonding Jumper). (Impedance Bonding Conductor) (31:23) (0:22)
- 250.4(A)(5) General Requirements for Grounding and Bonding / Grounded Systems (31:45) (2:06)
- 250.35(B) Permanently Installed Generators / Nonseparately Derived Systems (33:51) (2:05)
- 250.53(A)(4) Grounding Electrode System Installation / Rod and Pipe Electrodes (35:56) (2:20)
- 250.64(C) Grounding Electrode Conductor Installation / Continuous (38:16) (2:26)

- 250.64(D)(1) Grounding Electrode Conductor Installation / Common Grounding Electrode Conductors and Taps (40:42) (2:59)
- 250.64(E)(1) Grounding Electrode Conductor Installation / Raceways, Cable Armor, and Enclosures for Grounding Electrode Conductors (43:41) (2:25)
- 250.64(G) Grounding Electrode Conductor Installation / Enclosures with Ventilation, Mounting, or Drainage Openings (46:06) (1:43)
- 250.94(A) Bonding for Communications Systems / The Intersystem Bonding Termination Device (47:49) (2:32)
- 250.102(A) Grounded Conductor, Bonding Conductors, and Jumpers / Material (50:21) (2:02)
- 250.109(B) Metal and Nonmetallic Enclosures / Nonmetallic Boxes and Enclosures Installed with Metallic Wiring Methods (52:23) (2:17)
- 250.119(A) Identification of Wire-Type Equipment Grounding Conductors / General (54:40) (2:34)
- Lesson Test (57:14) (0:00)

Module 4 (57:17 - 95:27)
Article 120 to 120.54 (38 minutes)

- Lesson 3: Articles 265 - 268 (57:17) (0:24)
- Article 265 - Branch Circuits Over 1000 Volts ac, 1500 Volts dc, Nominal (57:41) (0:16)
- 265.1 Scope (57:57) (3:23)
- 265.5(C)(1) Conductor Identification for Branch Circuits / Branch Circuits of More Than One Nominal Voltage System (61:20) (2:24)
- 265.19(B) Conductors - Minimum Ampacity and Size / Supervised Installations (63:44) (2:55)
- 265.20(A) Overcurrent Protection / Simultaneous Loads (66:39) (1:51)
- 265.23 Permissible Loads, Multiple-Outlet Branch Circuits (68:30) (1:42)
- 265.63(B) Equipment Requiring Service / Other Electrical Equipment Located Indoors (70:12) (2:04)
- Article 266 - Feeders Over 1000 Volts ac, 1500 Volts dc, Nominal (72:16) (0:21)
- 266.1 Scope (72:37) (2:08)
- 266.4(C) Minimum Ampacity and Size / Supervised Installations (74:45) (2:40)
- Article 267 - Outside Branch Circuits and Feeders Over 1000 Volts ac, 1500 Volts dc, Nominal (77:25) (0:26)
- 267.1 Scope (77:51) (1:39)
- 267.31(I) Disconnecting Means / Disconnection of Grounded Conductor in a Grounded System (79:30) (2:21)
- 267.39(C) Rating of Disconnect / Supervised Installations (81:51) (1:56)
- Article 268 - Services Over 1000 Volts ac, 1500 Volts dc, Nominal (83:47) (0:26)

- 268.1 Scope (84:13) (1:35)
- 268.23(C) Size and Ampacity / Supervised Installations (85:48) (2:23)
- 268.31(C) Minimum Ampacity and Size / Supervised Installations (88:11) (2:22)
- 268.42(C) Minimum Ampacity and Size / Supervised Installations (90:33) (2:43)
- 268.91(B) Protection Requirements / Location (93:16) (2:08)
- Lesson Test (95:24) (0:00)

Module 5

(95:27 - 130:02)

Articles 120.82 to 130

(35 minutes)

- Lesson 4: Articles 270 - 300 (95:27) (0:18)
- Article 270 - Grounding and Bonding of Systems over 1000 Volts ac, 1500 Volts dc, Nominal (95:45) (0:18)
- 270 Grounding and Bonding of Systems over 1000 Volts ac, 1500 Volts dc, Nominal (96:03) (1:45)
- 270.5 Supervised Installations (97:48) (2:15)
- 270.20 Alternating-Current (ac) Systems to Be Grounded (100:03) (3:04)
- 270.122 Size of Equipment Grounding Conductors (103:07) (0:42)
- 270.122(A) Size of Equipment Grounding Conductors (103:49) (0:41)
- 270.122(B) Size of Equipment Grounding Conductors / Wire-Type Equipment Grounding Conductor (104:30) (3:14)
- 270.122(C) Size of Equipment Grounding Conductors / Metallic Insulation Shield or Armor of the Cables (107:44) (2:38)
- Article 300 - General Requirements for Wiring Methods and Materials (110:22) (0:28)
- 300.1 Scope (110:50) (2:36)
- 300.4(C) Limitations / Damaged Conductors and Wiring Methods (113:26) (2:20)
- 300.6(E) Protection Against Physical Damage / Wiring Methods and Materials in or Under Roof Decking (115:46) (2:22)
- 300.7(D)(3) Underground Installations / Protection from Damage (118:08) (2:31)
- 300.9(A) Raceways Exposed to Different Temperatures / Condensation (120:39) (2:27)
- 300.11(B) Raceways in Wet Locations Above Grade / Drainage (123:06) (1:58)
- 300.13(E) Securing and Supporting / Securing and Supporting (125:04) (2:37)
- 300.24 Bends (127:41) (2:18)
- Lesson Test (129:59) (0:00)

Module 6

(130:02 - 161:41)

Articles 200 to 210.8

(32 minutes)

- Lesson 5: Articles 310 - 332 (130:02) (0:27)

- Article 310 - Conductors for General Wiring (130:29) (0:30)
- 310.5(A) Conductors / (A) Minimum Size of Conductors (130:59) (1:44)
- 310.15(E) Ampacity Tables / Neutral Conductor (132:43) (2:02)
- Tables 310.16 and 310.17 (Ampacities of Insulated Conductors) (134:45) (0:46)
- Article 312 - Cabinets, Cutout Boxes, and Meter Socket Enclosures (135:31) (0:22)
- 312.3 Reconditioned Equipment (135:53) (2:03)
- Article 314 - Outlet, Device, Pull, and Junction Boxes; Conduit Bodies; Fittings; and Handhole Enclosures (137:56) (0:39)
- 314.2 Listing Requirements (138:35) (1:55)
- 314.16(B) Number of Conductors in Outlet, Device, and Junction Boxes . . . / Box Fill Calculations (140:30) (1:51)
- Article 315 - Medium Voltage Conductors, Cable, Cable Joints, and Cable Terminations (142:21) (0:31)
- 315.3 Reconditioned Equipment (142:52) (1:47)
- Article 320 - Armored Cable: Type AC (144:39) (0:10)
- 320.2 Listing Requirements for Type AC Cable (144:49) (2:05)
- 320.30(A) Securing and Supporting /General (146:54) (3:11)
- Article 330 - Metal-Clad Cable: Type MC (150:05) (0:13)
- 330.2 Listing Requirements for Type MC Cable (150:18) (2:24)
- 330.10(A) Uses Permitted / General Uses (152:42) (2:33)
- 330.30(A) Securing and Supporting / General (155:15) (1:51)
- Article 332 - Mineral-Insulated, Metal-Sheathed Cable: Type MI (157:06) (0:15)
- 332.2 Listing Requirements for Type MI Cable (157:21) (2:24)
- 332.30 Securing and Supporting (159:45) (1:53)
- Lesson Test (161:38) (0:00)

Module 7

(161:41 - 187:17)

Article 210.12 to 210.52

(25 minutes)

- Lesson 6: Articles 334 - 393 (161:41) (0:25)
- Article 334 - Nonmetallic-Sheathed Cable: Types NM and NMC (162:06) (0:14)
- 334.2 Listing Requirements for Type NM Cable (162:20) (2:04)
- 334.10 Uses Permitted (164:24) (2:00)
- 334.12 Uses Not Permitted (166:24) (2:19)
- Article 338 - Service-Entrance Cable: Types SE and USE (168:43) (0:13)
- 338.24 Bending Rules (168:56) (2:26)
- Article 340 - Underground Feeder and Branch-Circuit Cable: Type UF (171:22) (0:13)
- 340.104 Conductors (171:35) (2:13)
- Article 342 - Intermediate Metal Conduit (IMC) (173:48) (0:14)
- 342.10(B) Corrosion Environments (174:02) (2:07)
- 342.14 Dissimilar Metals (176:09) (2:23)

- 342.29 Paired Locknuts (178:32) (2:05)
- Article 392 - Cable Trays (180:37) (0:12)
- 392.18(F) Cable Tray Installation / Access (180:49) (2:07)
- 392.22(B) Number of Conductors or Cables / Number of Single-Conductor Cables, Rated 2000 Volts or Less, in Cable Trays (182:56) (2:13)
- Article 393 - Low-Voltage Suspended Ceiling Power Distribution Systems (185:09) (0:13)
- 393.14(A) Installation / General Requirements (185:22) (1:52)
- Lesson Test (187:14) (0:00)

Module 8

(187:17 - 206:39)

Articles 210.63 to 225

(20 minutes)

- Lesson 7: Articles 404 - 410 (187:17) (0:16)
- Article 404 - Switches (187:33) (0:21)
- 404.1 Scope (187:54) (2:53)
- 404.10(A) Accessibility and Grouping / Location (190:47) (1:49)
- Article 406 - Wiring Devices (192:36) (0:09)
- 406 Wiring Devices (192:45) (1:59)
- 406.12(D)(3) Replacements / GFCI Protection (194:44) (2:19)
- 406.14(G) Receptacle Mounting / Orientation (197:03) (1:45)
- 406.26 Tamper-Resistant Receptacles (198:48) (1:43)
- Article 408 - Switchboards, Switchgear, and Panelboards (200:31) (0:18)
- 408.6 Short-Circuit Current Rating (200:49) (0:47)
- 408.10(F) Support and Arrangement of Busbars and Conductors / (F) Switchboard, Switchgear, or Panelboard Identification (201:36) (2:04)
- Article 410 - Luminaires, Lampholders, and Lamps (203:40) (0:28)
- 410.184 GFCI/SPGFCI Protection (Horticultural Lighting Equipment) (204:08) (2:28)
- Lesson Test (206:36) (0:00)

Module 9

(206:39 - 227:18)

Article 230

(20 minutes)

- Lesson 8: Articles 422 - 430 (206:39) (0:18)
- Article 422 - Appliances (206:57) (0:08)
- 422.12 Central Heating Equipment (207:05) (2:15)
- 422.13 Storage-Type Water Heaters (209:20) (1:54)
- Article 426 - Fixed Outdoor Electric Deicing and Snow-Melting Equipment (211:14) (0:12)
- 426.2 Listing Requirements (211:26) (1:40)
- 426 Part VI Conductive Pavement Heating System (213:06) (2:27)
- Article 430 - Motors, Motor Circuits, and Controllers (215:33) (0:17)
- 430 Motors, Motor Circuits, and Controllers / Design BE and CE Motors (215:50) (4:29)

- 430.3 Reconditioned Equipment (220:19) (1:47)
- 430.98(A) Motor Control Centers (222:06) (1:52)
- 430.208 Over 1000 Volts Nominal (223:58) (3:20)
- Lesson Test (227:18) (0:00)

Timeline Adjustments:

- There are 35 quiz questions given at the end of certain lessons throughout the course, these quiz questions are NOT part of the overall timeline.

Total Course Time:

227 minutes

Utah Electrician (DOPL)
Continuing Education Course Completion Certificate
David Arnold

License Number: 123456

*This certifies that the individual named has successfully
completed the course requirements for:*

2026 NEC Analysis of Changes - Part 2

Course Approval Number: **TBD**

which was completed on 05/01/2026

and has earned 4.00 core continuing education hours.

Course Instructor: **Mike Ornoski**

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A handwritten signature in black ink, appearing to read "Ron May", is positioned above the name "Ron May, Vice President".

Ron May, Vice President