



2026 NEC Analysis of Changes - Part 1

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®-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-wide, and Chapter 1 through Article 230 code changes. Specifically, the course examines code-wide changes, Article 100 definitions, Article 110 requirements for electrical installations and Chapter 2 requirements for branch circuits, feeders and services.

Performance Objectives

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

- Describe code-wide changes
- Understand Article 100 definition changes
- Identify changes to general requirements for electrical installations
- Discuss branch-circuit, feeders and service load calculations
- Identify load changes to tables, multi-unit dwellings, and patient care related electrical equipment
- Describe code changes related to energy management systems
- Explain changes related to use and identification of grounded conductors
- Recognize non-power-limited, remote-control and signaling circuits code changes
- Discuss general branch circuit code changes
- Understand changes to arc-fault and ground-fault protection
- Summarize code changes to permissible loads, branch-circuit requirements, and dwelling unit receptacle outlets
- Identify code changes related to branch circuits for equipment requiring servicing and lighting outlets
- Explain feeders and outside branch circuits code changes
- Describe changes to the installation requirements for service conductors and equipment

Timed Agenda of the Course Outline

(4 Continuing Education Hours)

Module 1

(0:00 - 10:27)

Introduction

(10 minutes)

- Introduction (0:05)

(0:14)

- Navigating Course Content (0:19) (1:31)
- Course Completion and Testing (1:50) (0:52)
- Lesson 1, Introduction (2:42) (0:14)
- Analysis of Changes-2026 NEC (2:56) (0:04)
- Developed By IAEI (3:00) (0:07)
- Copyright (3:07) (0:23)
- IAEI Legal Requirements (3:30) (0:27)
- IAEI Partnerships (3:57) (0:23)
- The Experts Behind the Code (4:20) (1:13)
- Course Description (5:33) (0:44)
- Major Overhaul (6:17) (0:45)
- Training to Support Changes (7:02) (0:48)
- Improving Safety and Efficiency (7:50) (0:42)
- Change in How the Code is Written (8:32) (1:10)
- High-Voltage Systems (9:42) (0:45)

Module 2

(10:27 - 39:21)

Code-Wide and Article 100

(29 minutes)

- Lesson 2, Code-Wide and Article 100 (10:27) (0:16)
- Article 90 - Introduction (10:43) (0:17)
- 90.2 Scope and Application of Document (11:00) (1:57)
- 90.3 Code Arrangement (12:57) (2:56)
- Article 100 - Definitions (15:53) (0:21)
- 100 Definitions - Accessible, Readily (Readily Accessible) (16:14) (2:29)
- 100 Definitions - Cable Tie (18:43) (2:25)
- 100 Definitions - Cable Tie Fixing Device (21:08) (2:15)
- 100 Definitions - Energy Management System (EMS) (23:23) (2:34)
- 100 Definitions - Line-to-Ground (25:57) (3:32)
- 100 Definitions - Line-to-Line (29:29) (3:11)
- 100 Definitions - Line-to-Neutral (32:40) (3:26)
- 100 Definitions - Power Control Systems (PCS) (36:06) (3:08)
- Lesson Test (39:14) (0:00)

Module 3

(39:21 - 64:53)

Article 110

(26 minutes)

- Lesson 3, Article 110 (39:21) (0:14)
- Article 110 (39:35) (0:19)
- 110.3(B) Examination, Identification, Installation, Use, and Listing (Product Certification) of Equipment / Installation and Use (39:54) (2:51)
- 110.10 Available Fault Current, Short-Circuit Current Ratings, and Other Characteristics (42:45) (4:47)
- 110.15 High-Leg Marking (47:32) (2:16)
- 110.16 Arc-Flash Hazard Marking (49:48) (1:58)
- 110.17 Servicing of Equipment (51:46) (2:09)
- 110.26 Spaces About Electrical Equipment (53:55) (1:40)

- 110.26(A)(1) Spaces About Electrical Equipment / (A) Working Space / (1) Depth of Working Space (55:35) (2:37)
- 110.26(C)(2) Spaces About Electrical Equipment / (C) Entrance to and Egress from Working Space / (2) Large Equipment (58:12) (2:22)
- 110.29 In Sight from (Within Sight From, Within Sight) [Part II < 1000V] 110.39 In Sight from (Within Sight From, Within Sight) [Part III > 1000V] (60:34) (1:59)
- 110.40 Electrical Connections (62:33) (2:17)
- Lesson Test (64:50) (0:00)

Module 4

(64:53 - 86:53)

Article 120 to 120.54

(22 minutes)

- Lesson 4, Articles 120 to 120.54 (64:53) (0:17)
- Article 120 - Branch-Circuit, Feeder, and Service Load Calculations (65:10) (0:31)
- Article 120 (Relocated) (65:41) (2:17)
- 120.5(A) Calculations / Voltages (67:58) (1:53)
- 120.5(C) Calculations / Floor Areas (69:51) (1:35)
- 120.5(D) Calculations / (D) Direct-Current (dc) Loads (71:26) (2:09)
- 120.5 Calculations / (E) Percent Multiplier (73:35) (2:04)
- 120.6 Noncoincident Loads (75:39) (1:44)
- 120.7 Power Control System (PCS) (77:23) (2:35)
- 120.13 Dwelling Units - Branch Circuit Loads (79:58) (1:51)
- 120.41 Dwelling Units - Minimum Unit Load (81:49) (1:57)
- 120.42(A) Lighting Load for Non-Dwelling Occupancies / General (83:46) (0:37)
- 120.54 Electric Clothes Dryers Dwelling Units (84:23) (2:27)
- Lesson Test (86:50) (0:00)

Module 5

(86:53 - 120:47)

Articles 120.82 to 130

(34 minutes)

- Lesson 5, Articles 120.82 to 130 (86:53) (0:23)
- 120.82(B) Dwelling Unit / General Loads (87:16) (2:42)
- 120.83 Existing Dwelling Unit (89:58) (2:54)
- 120.84 Multifamily Dwelling (92:52) (3:27)
- Table 120.110 Demand Factors for Receptacles Supplied by General-Purpose Branch Circuits in Health Care Facilities (96:19) (2:47)
- 120.111 Patient Care-Related Electrical Equipment (99:06) (1:59)
- 120.130 Calculated Load (101:05) (1:53)
- 120.140 Calculations (102:58) (2:34)
- Article 130 - Energy Management Systems (105:32) (0:08)
- Article 130 (Relocated) (105:40) (4:26)
- 130.2 Listing Requirements (110:06) (3:43)
- 130.60 Conductors and Equipment (113:49) (2:33)
- 130.70 Settings (116:22) (2:19)

- 130.80 Marking and Documentation (118:41) (2:03)
- Lesson Test (120:44) (0:00)

Module 6 (120:47 - 145:23)
Articles 200 to 210.8 (24 minutes)

- Lesson 6, Articles 200 to 210.8 (120:47) (0:25)
- Article 200 - Use and Identification of Grounded Conductors (121:12) (0:14)
- 200.7(A) Means of Identifying Grounded Conductors / Sizes 6 AWG or Smaller (121:26) (2:31)
- Article 206 - Non-Power-Limited Remote-Control and Signaling Circuits Overview (123:57) (0:13)
- Article 206 - Non-Power-Limited Remote-Control and Signaling Circuits (124:10) (2:24)
- Article 210 - Branch Circuits (126:34) (0:19)
- 100 Definitions - Counter (Countertop) (126:53) (2:51)
- 100 Definitions - Work Surface (129:44) (2:26)
- 100 Definitions - Ground-Fault Circuit Interrupter, (GFCI), (Class A GFCI) (132:10) (0:48)
- 100 Definitions - Ground-Fault Circuit Interrupter, Special-Purpose (SPGFC Interrupter) (Special-Purpose Ground-Fault Circuit) (132:58) (2:05)
- 210.8 Ground-Fault Circuit-Interrupter Protection for Personnel (135:03) (2:09)
- 210.8(A) Ground-Fault Circuit-Interrupter Protection for Personnel / Dwelling Units (137:12) (2:14)
- 210.8(B) Ground-Fault Circuit-Interrupter Protection for Personnel / Other Than Dwelling Units (139:26) (0:33)
- 210.8(B) Ground-Fault Circuit-Interrupter Protection for Personnel / Other Than Dwelling Units / Exception No. 2 (139:59) (2:22)
- 210.8(F) Ground-Fault Circuit-Interrupter Protection for Personnel / Outdoor Outlets (142:21) (2:59)
- Lesson Test (145:20) (0:00)

Module 7 (145:23 - 165:13)
Article 210.12 to 210.52 (20 minutes)

- Lesson 7, Articles 210.12 to 210.52 (145:23) (0:24)
- 210.12(B) Arc-Fault Circuit-Interrupter Protection / Dwelling Units (145:47) (2:03)
- 210.12(E) Arc-Fault Circuit-Interrupter Protection / Branch Circuit Wiring Extensions, Modification, or Replacements (147:50) (2:46)
- 210.13 Ground-Fault Protection of Equipment (150:36) (1:45)
- 210.17 Guest Rooms and Guest Suites (152:21) (1:39)
- 210.22 Permissible Loads - Individual Branch Circuits (154:00) (2:19)
- 210.24 Branch-Circuit Requirements - Summary (156:19) (1:36)
- 210.52 Dwelling Unit Receptacle Outlets (157:55) (0:22)

- 210.52(A)(2) Dwelling Unit Receptacle Outlets / General Provisions / Wall Space_AN (158:17) (2:00)
- 210.52(A)(5) Dwelling Unit Receptacle Outlets / General Provisions / Receptacle Outlet Locations Prohibited (160:17) (2:19)
- 210.52(C) Dwelling Unit Receptacle Outlets / Countertops and Work Surfaces (162:36) (2:34)
- Lesson Test (165:10) (0:00)

Module 8

(165:13 - 184:04)

Articles 210.63 to 225

(19 minutes)

- Lesson 8, Articles 210.63 to 225 (165:13) (0:24)
- 210.63(B) Equipment Requiring Servicing / Other Electrical Equipment (165:37) (1:40)
- 210.70 Lighting Outlets Required (167:17) (2:38)
- 210.70(A)(1) Lighting Outlets Required / Dwelling Units (169:55) (1:40)
- 210.70(A) Lighting Outlets Required / All Occupancies (171:35) (0:28)
- Article 215 - Feeders (172:03) (0:25)
- 215.10 Ground-Fault Protection of Equipment (GFPE) (172:28) (2:29)
- 215.18(A) Surge Protection / Surge-Protective Device (174:57) (2:01)
- Article 225 - Outside Branch Circuits and Feeders (176:58) (0:32)
- 225.1 Scope (177:30) (2:30)
- 225.31(A) Disconnecting Means / General (180:00) (0:27)
- 225.31(B) Disconnecting Means / Location (180:27) (1:39)
- 225.41(A) Emergency Disconnects / (A) General / (1) Location (182:06) (1:55)
- Lesson Test (184:01) (0:00)

Module 9

(184:04 - 213:24)

Article 230

(29 minutes)

- Lesson 9, Article 230 (184:04) (0:15)
- Article 230 - Services (184:19) (0:23)
- 230.2 Listing Requirements (184:42) (0:20)
- 230.2(A) Listing Requirements / Listed (185:02) (2:03)
- 230.2(B) Listed or Field Evaluated (187:05) (1:37)
- 230.46 Spliced and Tapped Conductors (188:42) (2:26)
- 230.62 Service Equipment - Enclosed or Guarded, and Barrier Placement (191:08) (2:11)
- 230.67(A) Surge-Protective Device (193:19) (1:45)
- 230.68 Meter Sockets (195:04) (1:42)
- 230.70 General (196:46) (2:21)
- 230.70(A) General / Service Disconnect Location (199:07) (1:49)
- 230.70(B) General / Service Disconnect Marking (200:56) (1:52)
- 230.70(D) General / Identification of Other Source Disconnects (202:48) (2:16)
- 230.70(F) General / Remote Disconnect Control (205:04) (2:02)
- 230.71 Maximum Number of Service Disconnects (207:06) (1:55)

- 230.82 Equipment Connected to the Supply Side of the Service Disconnect (209:01) (2:14)
- 230.95 Ground-Fault Protection of Equipment (GFPE) (211:15) (2:09)
- Lesson Test (213:24) (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:

213 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 1

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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