

Idaho 8-Hour National Electrical Code Update

COURSE DESCRIPTION

The Idaho Electrical Continuing Education License Renewal Course reviews the most important updated 2023 NEC Changes in detail.

COURSE OUTLINE

After completing this continuing education course for Idaho electricians, the participant will be able to apply the 100 most important changes to the 2023 National Electrical Code in common wiring practice.

Learning Objectives:

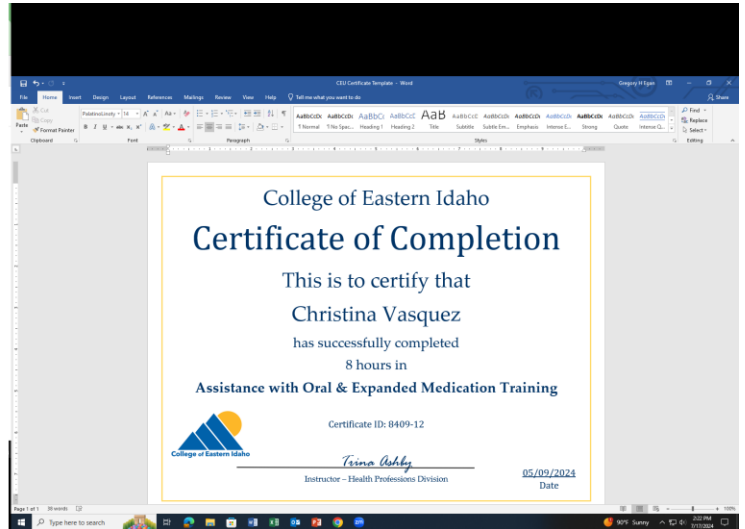
- Describe the overall layout of the National Electrical Code and the addition of new articles.
- Identify updates, additions, and changes to Chapter 1 of the 2023 National Electrical Code.
- Identify updates, additions, and changes to Chapter 2 of the 2023 National Electrical Code.
- Describe changes for branch circuits found in Chapter 2 of the 2023 NEC.
- Identify the new requirements for grounding and bonding in Chapter 2 of the 2023 NEC.
- Identify updates, additions, and changes to Chapter 3 of the 2023 National Electrical Code.
- Summarize the general requirements for wiring methods and materials for systems rated over 1000 volts ac, 1500 volts dc covered in Article 305.
- Identify updates, additions, and changes to Chapter 4 of the 2023 National Electrical Code.
- Describe the change in scope to Chapter 4 of the 2023 NEC.
- Identify changes and additions to requirements for switches found in Chapter 4 of the 2023 NEC.
- List new locations requiring tamper-resistant receptacles.
- Outline new requirements for receptacles, cord connectors, and attachment plugs found in Chapter 4 of the 2023 NEC.
- Identify updates, additions, and changes to Chapter 5 of the 2023 National Electrical Code.
- Outline new requirements for protection of electrical and electronic equipment in hazardous locations.
- Explain the new requirements for cannabis oil equipment and cannabis oil systems using flammable materials found in Chapter 5 of the 2023 NEC.
- Identify changes in requirements for electrical construction and installation criteria in health care facilities.
- Identify updates, additions, and changes to Chapter 6 of the 2023 National Electrical Code.
- Outline new and changed requirements for electric vehicle power transfer systems found in Chapter 6 of the 2023 NEC.
- Explain the new and changed requirements for construction and installation of electrical wiring for swimming pools, fountains, and similar installations.
- Identify updates, additions, and changes to Chapter 7 of the 2023 National Electrical Code.
- Outline new and changed requirements for emergency systems in Chapter 7 of the 2023 NEC.
- Identify changed requirements concerning signage and portable generators for optional standby systems found in Chapter 7 of the 2023 NEC.

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- Describe new wiring requirements for Class 4 fault-managed power systems.
 - Identify changed requirements for installation of circuits and supply-side overvoltage protection in fire alarm systems.
 - Identify updates, additions, and changes to Chapter 8, Chapter 9, and the Annexes of the 2023 National Electrical Code.
 - Outline new and changed requirements for network-powered broadband communication systems found in Chapter 8 of the 2023 NEC.
 - Outline new and changed requirements for conduits Annex C of the 2023 NEC.
 - **Course ID(s):**
 - **Approved By:**
 - a. Saturday, September 14, 21, two 4-hour sessions. (8 am – 12 noon)
 - b. Saturday, October 12, 19, 2024, two 4-hour sessions. (8 am – 12 noon)
 - c. Saturday, October 12, 2024, one 8-hour session (8 am – 4 or 5 pm)
 - d. October 19, 2024, one 8-hour session (8 am – 4 or 5 pm)
 - e. Or maybe later, November?
 - f. Eastern Idaho Workforce Training Center, 101 Technology Drive, Idaho Falls, ID 83404
2. List or sample of materials to be used in the program.
 - a. Mike Holt's Illustrated Guide to: Changes to the National Electrical Code, Based on 2023 NEC. Savannah Electric Co Edison Light
 - b. Product Code: 23CC
ISBN: 978-1-950431-69-4
Pages: 448
Illustrations: 655
Practice Questions: 100
 - c. PowerPoint Slides that accompany the guide.
 3. A copy of the quiz, if applicable
 - a. Not applicable, renewal not Journeyman test.
 4. Sample Certificate
 - a. Sample certificate attached in this word document or separately. (at bottom of this application)
 5. Sample Evaluation Card
 - a. Sample evaluation (at bottom of this application)
 6. Instructor information, instructor must hold a current and active master or journeyman
 - a. Brent Purcell – Idaho Master Electrician and Master Electrical Inspector
 - b. Doug Purcell – Idaho Master Electrician

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7. Electrician and a degree related to the electrical field, include other recognized experience or certification in the subject matter to be presented.
 - a. Brent Purcell – (Idaho) 4 years apprenticeship program, National Electric Inspector # CEI-M-252, Master Electrician # 008095
 - b. Doug Purcell – (Idaho) 4-year apprenticeship program, Master Electrician # 037970



College of Eastern Idaho
General Course Evaluation Form
Please submit feedback regarding the course you have just completed, including feedback on course structure, content, and instructor.

Email

Course Information
What Course/Class did you take?

Who was your instructor?

Was your class held In-person or Online
 In-person Online Hybrid (Online and on Campus)

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College of Eastern Idaho

Certificate of Completion

This is to certify that

Christina Vasquez

has successfully completed

8 hours in

**Assistance with Oral & Expanded Medication
Training**



Certificate ID: 8409-12

05/09/2024

Date

Trina Ashby

Instructor – Health Professions Division