



“@-Leisure” Contractor Licensing, LLC

Course Outline: UTAH Electrical Continuing Education 16 HR Online Course

This course will illustrate and explain the code changes made in the NEC 2017 Code Update and will incorporate the related UTAH IRC Code Amendments to the NEC requirements. This course will explain the “take away” from the code changes and revisions, including the instructors interpretation of the code articles and use of informational notes.

To begin, students will be required to complete a Identity Verification module, under pains and penalties of perjury; prior to beginning the course and upon successful completion of the course.

There will be a total of 16 modules each covering a specific sections of the NEC 2017 Code update, including UTAH IRC Code Amendments. Each module will include a per slide timer that will prevent the student from advancing to the next slide until the timer reaches zero, this will ensure a total of twelve (12) core hours and four (4) professional hours are completed by each student.

After each core module the students will be required to complete a short quiz by answering questions on the related module material. The students will be required to score 100% on the quiz to advance to the next module. Should the student answer incorrectly on an answer they will be allowed to revisit the correlating module to locate the correct answer. Students may retake each quiz until they pass.

At the end of the online course the students be able to download the UTAH Electrical Continuing Education 16 HR Online Course certificate of completion immediately to retain for their records.

Introduction - Objectives in the course training, information regarding NEC and IRC regulations on Utah EL MCE requirements and instructions on:

- navigating the online course
- requirements of technology for completion of the course
- links to school policies (record keeping, refund, course extensions)
- course outline, module subject material and corresponding lengths of modules
- contact information for course content related questions
- accessing customer support options (800#, contact submission email)

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Introduction Module

**Identity verification - e-signature required. Under the pains and penalties of perjury, I _____ attest that, as the licensed MA Electrician requiring continuing education credit, I will personally view all portions of this on-line educational session and will personally answer all questions required of this training.*

Core Education - 12 Hours

Module 1 - Articles 90, 100, and 110 Introduction, Definitions, and Requirements for Electrical Installations

- NEC Changes (1 hour)
- 5 Question Review Quiz

Module 2 - Articles 200-285 Wiring and Protection

- NEC Changes (1 hour)
- 5 Question Review Quiz

Module 3- Articles 200-285 Wiring and Protection (continued)

- NEC Changes (1 hour)
- 5 Question Review Quiz

Module 4 - Articles 300 – 399 Wiring Methods and Materials

- NEC Changes (1 hour)
- 10 Question Review Quiz

Module 5 - Article 400 – 490 Equipment for General Use

- NEC Changes (1 hour)
- 3 Question Review Quiz

Module 6 - Article 400 – 490 Equipment for General Use (continued)

- NEC Changes (1 hour)
- 3 Question Review Quiz

Module 7 - Articles 500 – 590 Special Occupancies

- NEC Changes (1 hour)
- 5 Question Review Quiz

Module 8 - Articles 500 – 590 Special Occupancies (continued)

- NEC Changes (1 hour)
- 5 Question Review Quiz

Module 9 - Articles 600 – 695 Special Equipment

- NEC Changes (1 hour)
- 6 Question Review Quiz

Module 10 - Articles 600 – 695 Special Equipment (continued)

- NEC Changes (1 hour)
- 6 Question Review Quiz

Module 11 - Articles 700 – 770 Special Conditions

- NEC Changes (1 hour)
- 10 Question Review Quiz

Module 12 - Communications Systems, Tables & Annex D and Utah State Amendments

- NEC Changes (1 hour)
- Utah State Amendments
- 5 Question Review Quiz

Professional Education - 4 hours

**Identity verification - e-signature - Under the pains and penalties of perjury, I _____ attest that, as the licensed MA Electrician requiring continuing education credit, I will personally view all portions of this on-line educational session and will personally answer all questions required of this training.*

Module 1 - Project Management (1 Hour)

- This section will cover the do's and don'ts of construction project management. To understand the role the project manager plays in the construction process it is helpful to first understand the definition of a project as it applies to the construction industry. The construction project is a very specific set of tasks, carried out in a sequential order and performed within a defined time period that result in achieving a one-time goal.

Module 2 - Reading & Understanding Plans (1 Hour)

- In this section we will cover how to read and understand construction and trade specific plans. Construction projects require a fluency in the language and symbols used on construction drawings. Most projects have working drawings. They are the graphic portion of the contract documents. The drawings illustrate the work to be done using symbols and graphic representations to convey intent. In this section we will examine how to understand plans, drawings and blueprints.

Module 3 - Business Practices / Workers Compensation (1 Hour)

- This course will cover important aspects of the construction process and ensuring that the insurance requirements mandated in the contract and by state and federal laws are satisfied.

Module 4 - Workplace Safety (1 Hour)

- OSHA -Standards for the Construction Industry. This section will highlight and cover Safety Standards for the Construction Industry including OSHA regulations on PPE's, safety lines, and fire safety.

References:

- 2017 NEC Code Book (NFPA - 70E, NFPA - 72)
- 2017 NEC Code Book Update Handbook (NFPA 70)
- International Residential Code 2015 Update
- UTAH STATE BULLETIN, August 01, 2017, Vol. 2017, No. 15 (AMENDMENTS)