# COURSE TITLE

2023 NEC Changes: Special Equipment

# COURSE DURATION

1 Hour

# OVERVIEW

Are you up to code? This course covers some of the 2023 updates in the National Electrical Code®, including changes to Articles 604, 625, and 680. We will be discussing manufactured wiring systems, electric vehicle power transfer systems, and swimming pools, fountains, and similar installations. These updates will help to keep you wired into the newest changes in the NEC®.

# PREREQUISITES

No prior knowledge is required.

# BEHAVIORAL OBJECTIVES

After successfully completing this course, you will be able to:

* List the types of manufactured wiring systems in 604.100
* Explain the circuiting requirements for EVSE in 625.40
* Recall how energy management systems can be used for EVSE in 625.42
* List the changes to the swimming pool definitions in Article 100
* Explain the GFCI and SPGFCI requirements of 680.5 for pools and similar installations
* Discuss the requirements for underground wiring around pools in 680.11
* List the requirements for equipment in the corrosive environments indicated in 680.14
* Explain the requirements for swimming pool motors in 680.21
* Describe the equipotential bonding requirements for pool decks in 680.26
* List the separation requirements for equipment near hot tubs and immersion pools in 680.41 and 680.50
* State the requirements for bonding around the splash pads discussed in 680.54

# COURSE OUTLINE

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| **Chapter** | **Minutes** |
| Introduction | 1 |
| Article 604 Manufactured Wiring Systems | 2 |
| Article 625 Electric Vehicle Power Transfer Systems | 11 |
| Article 680 Swimming Pools, Fountains, and Similar Installations | 39 |
| Conclusion | 1 |
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| **Course Total** | **54** |
| **+ Study Exercises (TS)/Checkpoints (RV) (10% Course Total)** | **5.4** |
| **+ Supporting Documents (word count/145)** |  |
| **= Grand Total** | **59.4** |

# AVAILABILITY

This course is offered online and is available 24 hours a day, 7 days a week, 365 days a year.

# TRAINING METHODOLOGY & EVALUATION

This course is self-paced online training. Review exercises reinforce the content, and students are evaluated with a multiple-choice exam. Upon completion, students are prompted to submit a course evaluation.

**REFERENCES**

National Electrical Code, 2023 Edition, Articles 604, 625, and 680.