

Course Description Sheet

COURSE TITLE

2026 NEC Changes: Conductors and General Requirements for Wiring Methods

COURSE DURATION

1 Hour(s)

OVERVIEW

This course examines key 2026 NEC requirements related to conductors and the general rules governing wiring methods. It reviews updates to Article 300 and explains how the Code regulates the installation, protection, and routing of electrical conductors and raceway systems.

Participants will explore practical installation requirements, including raceway sealing, wiring methods in wet or temperature-variable environments, and equipment placement beneath roof decks. The course also addresses conductor-related provisions such as minimum conductor sizes, listing requirements, sunlight resistance, and ampacity considerations. Additional discussion highlights raceway installation practices, including allowable bends, fittings used in place of boxes, and approved securing devices. Together, these topics provide a practical overview of how NEC conductor and wiring method requirements support safe and compliant electrical installations.

PREREQUISITES

No prior knowledge is required.

BEHAVIORAL OBJECTIVES

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

- Describe the scope changes to Article 300
- Explain when the NEC requires wiring methods to be replaced
- List the requirements for equipment beneath roof decks
- Explain the rules for sealing raceways exposed to different temperatures
- Recall what is required for aboveground raceways in wet locations
- List the types of cable ties and fixing devices the NEC recognizes
- Describe the requirements for fittings used in lieu of boxes
- Discuss the prohibition of welding raceways
- Recall how many bends are allowed in raceway installations
- Describe the listing requirements for conductors in the NEC
- Recall the minimum conductor sizes allowed in the NEC
- Describe the required sequence for driving a ground rod
- Explain when conductors require sunlight resistance
- Describe the allowance of ignoring ampacity adjustment and temperature correction
- Recall the ampacity of small conductors in Table 310.16

COURSE OUTLINE

Chapter	Minutes
Introduction	2
Article 300 General Requirements for Wiring Methods and Materials	35
Article 310 Conductors for General Wiring	15

Conclusion	2
Course Total	54
+ Study Exercises (TS)/Checkpoints (RV) (10% Course Total)	5.4
= 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

2026 NEC Code Book