

National Electrical Code® Changes - 2020 (2 Days)

2 Days, 1.4 CEUs

The National Electrical Code® (NEC) is updated on a three year cyclical basis. Each edition must be revised because of the continuous introduction of new technologies into the marketplace and the release of new research results by various public and private groups.

This course discusses major revisions in the 2020 edition and explains substantiation for those changes. There are Code wide changes which include the movement of many definitions to Article 100 and a new designation for recognizing new additions to the NEC. Understanding the reason for these updates enables personnel in the electrical field to more readily comprehend and implement new rulings for the safe installation of electrical systems and equipment.

This course is intended for electricians, electrical inspectors and contractors who need to meet federal, state and local requirements for installing electrical equipment. Participants will receive the *National Electrical Code® - 2020* and an AVO textbook describing changes to the Code.

Lab and Classroom Attire

AVO is committed to the personal safety of each participant and requires long pants and ANSI rated "safety toe" work shoes for class and lab activities. Lecture courses may involve a tour of a work or shop area and for this reason open toe shoes and shorts are not considered appropriate attire for the classroom.

Learning Objectives

To receive 1.4 CEUs, participants must attend 2 days of class (14 contact hours) and attain a minimum grade of 80% on the final exam. Upon completion of this course, the participant will demonstrate that he/she is able to:

- Identify the major changes in the National Electrical Code® from 2017 to 2020.
- Outline the format indicating where changes have been made.
- Describe substantiations for these changes.
- Summarize the impact of changes.

SCOPE

Day 1* (7 contact hours)

- I. Course Introduction (0.5 hr)
- II. Changes in the NEC Introduction and Chapter 1 General (2 hrs)
- AM Break
- III. Changes to Chapter 2 Wiring and Protection (2 hrs)
- Lunch
- IV. Changes to Chapter 3 Wiring Methods and Materials (2.5 hrs)
- PM Break

- IV. Changes to Chapter 3 Wiring Methods and Materials (2.5 hrs) (cont'd)

Day 2 (7 contact hours)

- V. Changes to Chapter 4 Equipment for General Use .. (2 hrs)
- AM Break
- VI. Changes to Chapter 5 Special Occupancies (2 hrs)
- Lunch

- VII. Changes to Chapter 6 Special Equipment (1.5 hr)

PM Break

- VIII. Changes to Chapter 7 Special Conditions (1 hr)

- VII. Conclusion (0.5 hr)
 - A. Review
 - B. Final Exam

*Class scheduling times may vary based on discussions and size of class