Course Description Sheet

COURSE TITLE
2026 NEC Changes: Alternative Energy and Limited Energy

COURSE DURATION
1 Hour(s)

OVERVIEW
This course reviews key 2026 NEC requirements related to alternative energy systems and limited energy circuits. It explores important provisions affecting photovoltaic systems, fuel cell installations, and other distributed energy resources, including system interconnections, conductor identification, bonding methods, and overcurrent protection considerations. The course also examines updates affecting limited energy and communications systems, including new and revised articles governing these installations. Participants will gain an overview of Code requirements related to low-voltage power distribution, communications infrastructure in dwelling units, and wiring methods used in specialized environments. Together, these topics provide a practical understanding of how the NEC addresses emerging energy technologies and modern limited energy systems.

PREREQUISITES
No prior knowledge is required.

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

- Explain when factions of a volt or ampere can be dropped from calculations
- Discuss when engineering may be used for calculating PV voltage and current
- Explain why the PV disconnection requirements were moved to Article 705
- List the options for bonding movable PV components
- Recall the maximum voltage for fuel cell systems
- Discuss the options for existing buildings with service conductor interconnections to another source
- Describe the conductor marking requirements for DC source conductors
- Recall which overcurrent protective devices are suitable for back-feed
- Explain which articles were added and which were deleted as it relates to limited energy systems
- Explain why Article 720 was created and what it covers
- Discuss the requirement for a communications outlet in dwelling units
- List the allowable wiring methods in ducts for dust, loose stock, grease, or flammable vapors
- Explain when a limited energy cable can share a raceway with non-limited energy circuits
- List the requirements for Class 4 systems in dwelling units
- Describe what Article 724 covers
- Describe what Article 800 covers

COURSE OUTLINE

Chapter	Minutes
Introduction	2

Article 690 Solar Photovoltaic (PV) Systems	13
Article 692 Fuel Cell Systems	2
Article 705 Interconnected Electric Power Production Sources	17
Article 720 General Requirements for Limited Energy System Wiring Methods and Materials	11
Article 722 Cables for Limited Energy Systems	4
Article 724 Class 1 Power-Limited Circuits and Class 1 Remote-Control and Signaling Circuits	3
Article 800 General Requirements for Communications Systems Outside and Entering Buildings	1
Conclusion	2
Course Total	**55**
+ Study Exercises (TS)/Checkpoints (RV) (10% Course Total)	**5.5**
= Grand Total	**60.5**

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