

2017 NEC[®] NATIONAL ELECTRICAL CODE TRAINING

NFPA 70[®]



National Electrical Code[®]

2017

2-DAY COURSE WITH CERTIFICATION

Designed for Maintenance Technicians,
Electricians & Engineers

Comply with the New 2017 NEC[®] Code Changes

- Identify Key NEC[®] Electrical Terms
- Locate Information Required for Individual Jobs
- Determine the Applicability of NEC[®] Code Rules
- Understand the most Important 2017 NEC[®] Changes
- Learn How to Apply Tables in Solving Typical Electrical Wiring & Raceway Problems



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ON-SITE

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2017 NEC® NATIONAL ELECTRICAL CODE TRAINING

The NEC® is updated every three years as the United States standards for the electrical codes. Included as a part of the American National Standards Institute (ANSI), the National Electrical Code® (NEC®) is more widely used than any other installation or construction code in the world. Its purpose is to provide anyone working with electricity the most up-to-date, best practices for safe installation and maintenance of electrical systems and equipment.

The purpose of this training is to help contractors, maintenance technicians, electricians & engineers understand the new 2017 Code® changes and meet compliance with United States standards for electrical codes. Attendees will learn:

- ▶ How to Navigate the National Electrical Code®
- ▶ Learn About the Many 2017 Code Changes
- ▶ Application of Safety to Specific Equipment and Tasks Found in Your Plant



2 DAY WORKSHOP AGENDA

Introduction to the National Electric Code®

- Purpose of NEC®
- Differences Between NEC® Book Chapters
- Quickly Find the Right Chapter & Information in the NEC®

Finding Specific Information in Chapter 1-General

- Keywords & Definitions you Must Know
- Installation Requirement Topics

Finding Specific Information in Chapter 2-Wiring and Protection

- Use and Identification of Grounded Conductors Branch Circuits
- Feeders
- Branch-Circuit, Feeder & Service Calculations Outside Branch Circuits & Feeders
- Services
- Over-current Protection
- Grounding & Bonding
- Transient Voltage Surge Suppressors

Finding Specific Information in Chapter 3-Wiring Methods & Materials

- Wiring Methods
- Conductors for General Wiring
- Cabinets, Cutout Boxes, Meter Socket Enclosures Outlet, Device, Pull and Junction Boxes; Conduit Bodies; Fittings; and Manholes Armored Cable: Type AC
- Nonmetallic-Sheathed Cable: Types NMB, NMC & NMS
- Flexible Metal Conduit: Type FMC
- Liquid-tight Flexible Metal Conduit & Nonmetallic Conduit
- Auxiliary Gutters
- Bus-ways
- Cablebus
- Metal Wireways
- Surface Metal Raceways
- Surface Nonmetallic Raceways
- Cable Trays

Finding Specific Information in Chapter 4 - Equipment for General Use

- Flexible Cords & Cables
- Fixture Wires
- Switches
- Receptacles, Cord Connectors & Attachment Caps Switchboards & Panel-boards
- Luminaries, Lamp Holders, Lamps
- Appliances
- Fixed Electric Space-Heating Equipment
- Motors, Motor Circuits & Controllers, Including Disconnecting Means for Motors
- Air Conditioning & Refrigeration Equipment
- Equipment over 600 volts, Nominal

Finding Specific Information in Chapters 5-8

- The Interrelationships Between the First Four Chapters and These Chapters
- Special Occupancies
- Special Equipment
- Special Conditions
- Communication Systems

Finding Specific Information in Chapter 9

- How to Quickly Use Ready Information



No Risk Registration No Cancellation Fees

While payment is due prior to the start of the class, you can cancel your registration up to five business days before the program to receive a full refund. Cancellations within five business days are subject to no refunds, however, you may apply the registration fee to a future training or event. Please note that if you don't cancel and don't attend, you are still responsible for payment. Substitutions may be made at any time.

Money Back Guarantee

Our programs are backed up by our money-back guarantee. In the rare event you are not satisfied with the value of our training or programs, notify us in writing and we'll refund your registration fee, minus any costs of student books or materials.

CEUs & Certificates

Students successfully completing this course will receive a Certificate of Completion and 1.6 CEUs



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