NFPA 70® - National Electric Code® [NEC]

The National Electrical Code® (NEC®) 2023 Edition applies to all persons who perform electrical work. Maintenance electricians, construction electricians, instrumentation technicians, engineers, and maintenance technicians are examples of those who must have a working knowledge of the NEC®. Whether running power to a new piece of electrical equipment, setting the overloads on a motor starter, installing a security camera, or replacing a fluorescent ballast, compliance with the NEC® is mandatory. The Code has been adopted as law in all fifty states and NTT teaches the NEC® throughout the United States and to global organizations in various international locations.

This three-day course provides an excellent introduction to the NEC® along with practical navigation exercises. The major changes to the 2023 NEC® are addressed throughout the course for those seeking Code updates.

Typical field applications challenge both the novice and the experienced electrical worker. The course covers topics most needed by electrical workers including the requirements for grounding and bonding, properly sizing conductors and overcurrent protection for different applications, wiring methods, motor installation and other general equipment specifics, and special topics as requested by attendees. NTT also offers additional training on specific industry applications of the NEC®.

WHAT THIS COURSE COVERS

- The Major Changes to the Code 2023 Edition
- Demystify New Differentiation Between Under\Over 1000V
- Understand the NEC® to Apply it to your Specific Needs to get Installations Inspected and Approved
- Bonding and Grounding Requirements
- How to Install Equipment Properly for Safe Use by Operators\Workers.
- How to Install Equipment Properly to Maximize Work-Life of Equipment

COURSE OUTCOMES

- Understand How to Navigate the Code Book to Apply it to Practical Installation and Retrofit Tasks.
- Understand how the NEC® Safeguards People and Property.
- Make your Facility and Operations NEC® Compliant.
- Become Current with the Most Recent NEC® Updates.

WHO SHOULD TAKE THIS

- Electrical Contractors
- Electricians
- Maintenance Electricians
- HVAC Maintenance and Repair Technicians
- Building and Stationary Engineers

COURSE AGENDA

- NEC® Overview, Articles 90, 100, 110
- Wiring and Protection
- Wiring Methods and Materials
- Equipment for General Use
- Special Occupancies, Equipment and Conditions, and Communication Systems

☑ Lecture ☐ Hands-on • ONSITE: 3-days (24 hours) • LIVE ONLINE: 3-Days (24 hours)

ONSITE - TRAINING TOUR - LIVE VIRTUAL - ONLINE - HANDS ON - AUDITS - CONSULTING - **TRAINED WORKERS. STRONGER COMPANIES.**
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EC_23_3Day Course Overview and Agenda v10182024.docx