



Martin Technical

Serving the World

**Get NEC Training
from a USA
National Electrical
Code Expert that
has done training
for:**

Governement:

Army Corp of Engineers
US Dept of Interior
United Space Alliance
US Coast Guard
US Air Force
US Army
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Architect of US Capitol
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General Motors
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and 100's of other organiza
tions including:

Engineering Firms
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Universities & Schools
Hopsitals
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Transportation
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& many More !

The **2011 National Electrical Code**[®]

**Afghanistan, Iraq, Bahrain
Dubai, Saudi Arabia, Jordan**

▶ *Training Instruction by US National Code Expert
with Task Force SAFE experience*

▶ *Includes :*
2011 NEC Training Certificat
Electronic Copy of 2011 NEC Code Book
Optional Testing

- **Learn How to Navigate the Code**
- **Have Your Toughest Code Questions Answered**

Presented by:

Martin Technical
Sales@MarTechnical.com



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C O U R S E O V E R V I E W

Properly installed and maintained electrical systems are a crucial part of day-to-day operations for any building, plant or piece of equipment. The NEC® will facilitate you in that objective when you have a thorough understanding of the Code, and most importantly, how it is applied to your specific site or facility.

This course is designed to meet the needs of electrical code regulations regarding Task Force SAFE. If you have specific questions about the code that are not addressed in the outline below, don't worry, simply let your instructor know and he will make sure to get you the answers.

DISCUSSION TOPICS

Introduction to the National Electrical Code®

- NEC® layout as the first step in successful navigation. Differences between the first four chapters and chapters five through nine
- How to quickly put yourself in the right chapter of the Code

Finding specific information in Chapter 1

General:

- Key words and definitions you must know
- Installation requirements topics

Finding specific information in Chapter 2

Wiring and Protection, on:

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

Finding specific information in Chapter 3

Wiring Methods and Materials, on:

- 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 NM, NMC and NMS
- Flexible Metal Conduit: Type FMC
- Liquidtight Flexible Metal Conduit: Type LFMC Rigid Nonmetallic Conduit: Type RNC
- Liquidtight Flexible Nonmetallic Conduit: Type LFNC Electrical Nonmetallic Tubing: Type ENT
- Auxiliary Gutters
- Busways
- Cablebus
- Metal Wireways
- Surface Metal Raceways
- Surface Nonmetallic Raceways
- Cable Trays

Finding specific information in Chapter 4:

Equipment for General Use, on:

- Flexible Cords and Cables
- Fixture Wires
- Switches
- Receptacles, Cord Connectors, & Attachment Caps Switchboards & Panelboards
- Luminaries, Lamp holders, Lamps
- Appliances
- Fixed Electric Space-Heating Equipment
- Motors, Motor Circuits, and Controllers, including Disconnecting Means for Motors
- Air Conditioning and Refrigeration Equipment
- Transformers & Transformer Vaults
- Equipment over 600 Volts, Nominal

Finding specific information in Chapters 5 through 8, on:

- The interrelationships between the first four chapters and these chapters
- Special Occupancies
- Special Equipment
- Special Conditions
- Communication Systems

Finding specific answers from tables in Chapter 9

- How to Quickly Use Ready Information

SEMINAR AGENDA:

7:30 am	Registration
8:00 am	Class Begins
12:00 - 1:00 pm	Break
4:30 pm	Class Ends

TRAINING FEE: USD \$900

TRAINING LOCATION

Contact us for upcoming locations or to have your company host a regional training event.

Reserve Your Space Now!

Sales@MarTechnical.com

www.MarTechnical.com

ABOUT THE INSTRUCTOR

Instructor Von Phillips is a Licensed Master Electrician, and Licensed Electrical Contractor. He served for one year as a Master Electrician/Inspector tasked to inspect power distribution systems, living quarters, ablution units and hardstands for grounding and bonding issues throughout Iraq for Task Force SAFE.

As an instructor for Martin Technical, Von teaches several electrical courses including Basic Electricity, Electrical Troubleshooting, the National Electrical Code, Electrical Schematics, Generators and Emergency Power and PLCs for Non-Programmers.

OTHER TRAINING

If you have additional training needs or would like to have a Martin Technical instructor come to your company for training, please contact us. We provide dozens of training topics including:

- Basic Electricity
- Electrical Troubleshooting
- Electrical Schematics & Drawings
- Electrical Safety & Arc Flash
- Generators & Emergency Power
- Variable Frequency Drives
- Pumps & Pump Systems
- Air Conditioning & Refrigeration
- Boiler Operation
- Hydraulics
- And dozens of more training topics !

CERTIFICATES of COMPLETION

Upon Completion of Training, each student will receive a training certificate of completion. issued by Martin Technical. While NEC training is required by many US government organizations, there is no official or legal training program and certificates are issues by private training companies. knowledgeable in NEC. Martin Technical training certificates are widely accepted by US Government organizations.