



COURSE INCLUDES

- 2.4 CEU'S | Textbook and Lab Manual
- Certificate of Completion | All Materials and Supplies

REGISTRATION FORM

ENROLLMENT ARRANGEMENTS SHOULD BE RECEIVED A MINIMUM OF SEVEN DAYS PRIOR TO THE SEMINAR DATE

PLEASE USE A SEPARATE FORM FOR EACH COURSE NUMBER

COURSE LOCATION: _____ COURSE DATES: _____

STUDENT: _____

COMPANY: _____

ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

PERSON TO CONTACT IF THERE IS A CHANGE IN SCHEDULE: _____

PHONE: _____ EXT: _____

EMAIL: _____

SELECT PAYMENT METHOD:

_____ STUDENT(s) @ \$1,525 PER PERSON TOTAL \$ _____

CHECK IS ENCLOSED

USE OUR PURCHASE ORDER NO. _____

VISA M/C AMEX CARD HOLDER _____

CARD NUMBER: _____ EXP. DATE: _____

Class Schedule:

8:00 A.M. – 4:00 P.M.

LUNCH (NOT PROVIDED)

12:00 P.M. – 1:00 P.M.

ENROLL TODAY, classes fill quickly

3-Day Seminar \$1,525 Per Person

On-Site Programs Available

Questions? Contact us at:

800-704-1066 or email dan@nfpitraining.com

This course is designed for anyone requiring an understanding of electricity, and needing to advance their skills further as it applies to the everyday workplace. This is NOT ONLY a seminar on electrical theory; the discussion will be on practical applications.

"Hands-On" Training. Students will build and experiment with circuits constructed on our fully equipped simulators. Anyone desiring an in-depth understanding and appreciation of electrical systems, component operation and troubleshooting techniques will benefit from this training. Time is spent equally between lecture and hands-on lab experiments.

COURSE TOPICS:

- Introduction To Electricity
- Introduction To Electrical Components
- Current
- Voltage
- Resistance
- Ohm's Law
- Kirchhoff's Law
- Generator Principles
- Single Phase Distribution
- Three Phase Distribution
- Magnetism
- Transformers
- Conductivity
- Sizing Conductors
- Circuit Protection
- Circuit Protection Sizing
- Grounding
- Electrical Graphic Symbols
- Relays & Contactors
- Resistors & Capacitors
- Photocells
- Motor Starters
- Heater Sizing
- Parallel Circuits
- Series Circuits
- Ladder Logic
- Electrical Drawings
- Solenoids
- Solid State Devices

TROUBLESHOOT CIRCUITS & COMPONENTS USED IN:

- Basic Control Circuits
- Remote Start/Stop Circuits
- Time Delay Circuits
- Reversing Circuits
- Run/Jog Circuits
- Sequencing Circuits
- Two Speed Motor Controls
- Time Delay/Off Circuits
- Overload Protection
- Transformers

MULTIMETER USED TO TROUBLESHOOT:

- Motors
- Motor Starters
- Relays
- Limit Switches
- Photocells
- Timers
- Circuit Protection



NOTE: Attendees should bring their own multimeter for this "Hands-On" training