

Troubleshooting DC/Mobile Electrical Circuits

“Hands-On”

3-DAY SEMINAR



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 DC circuits, and needing to advance their skills further as it applies to DC equipment and systems.

“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:

- Current, Voltage And Resistance
- Physics and Math of Electricity
- How to use Multi-Meter
- Batteries
- Alternators and Generators (DC/DC)
- Diodes
- Coils and Coil Packs
- Sizing Wire of DC Circuits
- DC Overcurrent Protection
- NEMA and IEC Electrical Symbols
- DC Motors
- DC Motor Speed Control
- Troubleshooting DC Motors

HANDS-ON TROUBLESHOOTING EXERCISES:

- Testing With Multi-meter
 - Voltage
 - Current
 - Resistance
 - Voltage Drop
 - Diodes
 - Relay Coils
- Rectified DC Voltage
- Circuit Wiring
- Circuit Troubleshooting
- Circuit Protection

MULTIMETER USED TO TROUBLESHOOT:

Brake/Turn Signal Control	Dual Mode Control
Radiator Fan Auto/Manual Control	Power Control
Positive and Negative Switching	Winch Control
Headlight and Hi Beam Control	Start Circuit
Electric Over Hydraulic Cylinder Control	



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