

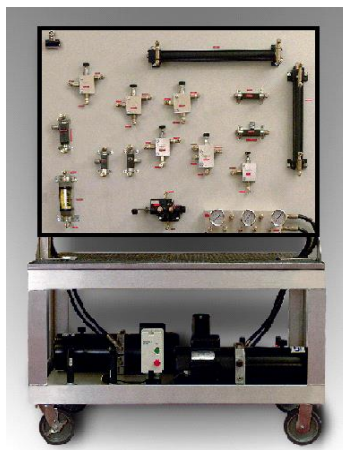
ENROLLMENT ARRANGEMENTS SHOULD BE RECEIVED A MINIMUM OF SEVEN DAYS PRIOR TO THE SEMINAR DATE



#### COURSE OUTLINE:

Students will build and experiment with circuits constructed on our fully equipped simulators.

The course is ideally suited for maintenance and mechanic personnel, first line supervisors, engineering, and anyone desiring an advanced understanding and appreciation of hydraulic systems, component operation and troubleshooting techniques. Time is spent equally between lecture and hands-on lab experiments.



#### PLEASE USE A SEPARATE FORM FOR EACH COURSE NUMBER

COURSE LOCATION: \_\_\_\_\_ COURSE DATES: \_\_\_\_\_

STUDENT(s): \_\_\_\_\_

COMPANY: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_

PERSON TO CONTACT IF THERE IS A CHANGE IN SCHEDULE: \_\_\_\_\_

PHONE: \_\_\_\_\_ EXT: \_\_\_\_\_

EMAIL: \_\_\_\_\_

#### ADVANCED TROUBLESHOOTING

- Flow
- Resistance/Pressure Devices
- Electrically Controlled Pressure Devices
- Directional Control Valves
  - Proportional
  - Servo
- Pumps and Motors
- Internal Diagnostics
- Closed Loop Circuits

#### ELECTRIC THEORY AND TROUBLESHOOTING

- Voltage
- Current
- Identifying Electrical Symbols for Hydraulic Components

#### ELECTRICAL HYDRAULIC COMPONENTS

- Relays
- Fuses
- Timers
- Solenoids
- Switches
- Sensors
- Joystick Control

#### PLC (Programmable Logic Controller)

- Relay
- I/O
  - Input Devices
  - Output Devices
  - CPU
  - Programming Basic Concepts
  - Ladder Logic

#### SELECT PAYMENT METHOD:

\_\_\_\_\_ STUDENT(s) @ \$1,195 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. – 3:30 P.M.

LUNCH (NOT PROVIDED)

12:00 P.M. – 1:00 P.M.

ENROLL TODAY, classes fill quickly  
2-Day Seminar \$1,195 Per Person  
On-Site Programs Available

#### COURSE INCLUDES

Lab Manual

All Materials and Supplies | Certificate of Completion



[WWW.NFPITRAINING.COM](http://WWW.NFPITRAINING.COM)

For more information or to register contact us:

800-704-1066 or email [info@nfpitraining.com](mailto:info@nfpitraining.com)