

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

COURSE OUTLINE:

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

This course is designed for individuals who seek a solid understanding of Variable Frequency Drives (VFDs) and Electrical Motors, with a focus on practical, workplace-relevant skills. It goes beyond theoretical concepts, emphasizing real world applications and hands-on knowledge that can be immediately applied on the job.

VARIABLE FREQUENCY DRIVES (VFD)

Core Principles

- Inverter Operation
- Inverter Types
- VFD Basics & Configurations
- Parameter
 - Setting & Adjustment
- 2-Wire / 3-Wire Control Logic
- Testing VFD Input & Output

Advanced Concepts

- DC Bus Functions
- Understanding Waveforms
- Pulse Width Modulation (PWM)
- Vector Control & Feedback
- Harmonic Mitigation

COURSE TOPICS COVERED

Motor Basics

- Types of Motors
- Motor Principles
- Designations & Classes
- Insulation & FLC
- Rated Overload
- Phase Configuration (Wye, Delta, etc.)

Motor Systems

- Maintenance Best Practices
- Troubleshooting Techniques
- Controller Types

COURSE INCLUDES:

Lab Manual
All Materials and Supplies
Certificate of Completion

ADDITIONAL HANDS-ON TRAINING:

- OPERATIONAL SAFETY
- CIRCUIT DESIGN
- PARAMETER SETTINGS
- CONTROLLER DIAGNOSTICS



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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: _____

SELECT PAYMENT METHOD:

_____ STUDENT(s) @ \$1,295 PER PERSON TOTAL \$ _____

☐ CHECK IS ENCLOSED

☐ USE OUR PURCHASE ORDER NO. _____

☐ VISA ☐ M/C ☐ AMEX CARD HOLDER _____

CARD NUMBER: _____ EXP. DATE: _____

Class Schedule:

7:30 A.M. – 3:30 P.M.

LUNCH (NOT PROVIDED)

11:00 P.M. – 12:00 P.M.

ENROLL TODAY, classes fill quickly

2-Day Seminar \$1,295 Per Person

On-Site Programs Available

For more information or to register contact us:

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