

1-Day Electrical Troubleshooting

LIVE ONLINE SEMINAR

TUESDAY

SEPTEMBER 22, 2020

8:00 AM – 4:30 PM (CST)

COST: \$595.00

INCLUDES:

Class Manual

Certificate of Completion



1. **Basics of Electricity**
Current
Voltage
Resistance
2. **Reading Schematics & Symbols**
3. **Physics and Math of Electricity**
Ohms Law ($E=IxR$)
Kirchhoff's Laws
Power Equation ($P=ExI$)
Law of Conservation of Energy
4. **Batteries**
5. **Generators**
Alternator
Generator (DC/DC)
6. **Transformers**
Coils and Coil Packs
Troubleshooting
7. **Conductors and Insulators**
Wire Gauge
AWG vs Metric
8. **Overcurrent Protection**
Fuses
Fusible Links
Circuit Breakers
9. **NEMA Electrical Symbols**
10. **Electrical Control Diagrams**
Schematic vs Ladder Logic
11. **Electrical Components**
12. **NEMA vs. IEC Electrical Symbols**
13. **Motors**
Motor Starters
Manual and Reversing
14. **Wire sizing**
Ampacity and Voltage Drop
15. **Parallel vs Series Circuits**
16. **Multi-meters**
Analog and Digital
Ratings

REGISTRATION FORM

PLEASE USE A SEPARATE FORM FOR EACH COURSE# _____

COURSE LOCATION: _____ COURSE DATES: _____

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

STUDENTS: _____

COMPANY: _____ PHONE: _____ EXT: _____

ADDRESS: _____ FAX: _____

CITY: _____ STATE: _____ ZIP: _____

CHECK IS ENCLOSED (_____) STUDENT(S) @ \$595 PER PERSON \$ _____

USE OUR PURCHASE ORDER NO. _____

VISA M/C AE # _____ EXP. DATE: _____

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

For more information or to register contact us: 806-358-8790 or email dillon@nfpitraining.com