

# IE11 Electric Motor Drive Installation and Troubleshooting 2-Day Seminar

**Cost:** \$450.00 includes all seminar fees and student text. (For on-site, call us for price quotes)

**Prerequisites:** None.

**Intended Audience:** Electrical Maintenance or I&E Maintenance

This Seminar presents the latest information on electrical motors and drives in industry, including drive theory, applications, as well as installation, test and troubleshooting procedures. Other topics covered in this seminar are drive programming and extensive information on the selection of motor drives for specific applications.

**Seminar Outline:**

- Overview of Electric Motors
- Electrical Motor Drive Safety
- Electrical Motor Load and Power Requirements
- Electrical Motor Types
- Electrical Motor Control
- Electrical Motor Installation
- Solid State Electrical Motor Drive Components
- Electrical Tools and Test information
- Electrical Safety
- Electrical Symbols and Diagrams
- Logic Applied to Line Diagrams
- Solenoids, DC Generators, and DC motors
- AC Generation, Transformers, and AC Motors
- Contractors and Motor Starters
- Control Devices
- Reversing Motor Circuits
- Power Distribution
- Solid State Devices and System Integration
- Timers and Counters
- Relays and Solid State Starters
- Sensing Devices and Controls
- Programmable Controllers
- Reduced-Voltage Starting
- Accelerating and Decelerating Methods
- Preventive Maintenances and Troubleshooting

**IE10-1207**