



**O&M Consulting
Services Inc**

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IE07 Electrical Principles 3-Day Seminar

Cost: \$775.00 includes all seminar fees and student text. (For on-site, call us for price quotes)

Prerequisites: None.

Electrical Principles is an introduction to electrical and electronics and practices and their uses in commercial, residential, and industrial applications. This seminar has been expanded to include personal protective equipment, NFPA 70, test instruments, print reading, and programmable logic relays.

Seminar Outline:

- Electrical Principles
- Basic Quantities
- Ohm's Law and Power Formula
- Safety
- Math Principles
- Math Application
- Numbering Systems and Codes
- Meter Abbreviations and Displays
- Taking Standard Measurements
- Symbols and Print reading
- Circuit Conductors, Connections, and Protection
- Series Circuits
- Parallel Circuits
- Series/Parallel Circuits
- Magnetism, Solenoids, and Transformers
- Electrical Motors
- Resistance, Inductances, and Capacitance
- Circuit Requirements
- Residential Circuits
- Commercial Circuits
- Industrial Circuits
- Fluid Power circuits
- Electronic Control Devices
- Digital Electrical Circuits

IE07-1207