



**O&M Consulting
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IE06 AC/DC Principles 3-Day Seminar

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

Prerequisites: None.

This seminar takes electrical theory and applications to a higher level. AC/DC Principles provides attendees the know how to apply basic laws and analysis techniques to introductory circuits as well as actual AC and DC circuit applications. Ohms' Law, Kirchhoff's law, Thevenin's and Norton's Theorem are also applied to basic circuits. Mathematics is applied at algebraic and trigonometric levels to aid in building fundamental mathematical skills.

Seminar Outline:

- Basic Concepts of Electricity
- Resistance
- Voltage Source
- The Simple Circuit and Ohm's Law
- DC Series Circuits
- DC Parallel Circuits
- DC Series/Parallel Circuits
- Complex/network Analysis Techniques
- Electromagnetism
- DC Circuit Inductance
- DC Circuit Capacitance
- AC Fundamentals
- Vectors and Phase Relationship
- Resistive AC Circuits
- Inductive AC Circuit
- Capacitive AC Circuits
- Induction-Resistive-Capacitive Circuits
- Resonance
- Three Phase Circuit
- Transformers
- AC Motors

IE06-1207