

IE05 Programmable Controllers Theory and Implementation 3-Day Seminar

Cost: \$875.00 includes all seminar fees and student text. (For on-site, call us for price quotes)

Prerequisites: None.

This seminar provides a comprehensive theoretical and practical look at all aspects of PLCs and their associated devices and systems. The seminar features information on advanced PLC topics such as I/O bus networks, fuzzy logic, the IEC 1134-3 programming standards, process control, and PID algorithms.

Seminar Outline:

- Introduction to Programmable Controllers
- Number Systems and Codes
- Logic Concepts
- Processors, the Power Supply and Programming Devices
- The Memory System and I/O Interaction
- The Discrete Input/Output System
- The Analog Input/Output System
- Special Function I/O and Serial Communication Interface
- Programming Languages
- The 1131 Standard and Programming Language
- System Programming and Implementation
- PLC System Documentation
- Data Measurements and Transducers
- Process Responses and Transducers
- Process Response and Transfer Functions
- Process Controllers and loop Tuning
- Artificial Intelligence and PLC Systems
- Fuzzy Logic
- Local Area Network
- PLC Start-up and Maintenance
- System Selection Guidelines

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