

Advanced PLC Training

Course Description:

This training course covers the details of PLC systems including system design, program planning, advanced programming functions, advanced instructions such as PID and Messaging, and advanced administrative tasks.

This training course also provides an advanced coverage of ladder logic programming, including many advanced instructions. Students will also learn to utilize more advanced tools, features, and methods to troubleshoot more advanced systems and more difficult problems.

This course covers the how's and why's of PLC systems.

Pre-requisites:

Solid computer skills highly recommended. Previous attendance in 'Basic PLC's' or 'Understanding PLC's' course, or equivalent experience highly recommended

Target Audience:

Electricians, Technicians, Engineers, and Programmers

Typical Course Topics (partial listing of topic areas, not in sequence):

- Hard wired relays and evolution of PLC's (quick review)
- Ladder Logic basics (quick review)
- RSLogix™ 500 basics (quick review)
- Advanced program documentation (quick review, plus more advanced features)
- Combination logic programs (quick review)
- Batch & sequential logic programs (quick review, plus advanced lab practice)
- Processor operation (quick review)
- PLC addressing (quick review)
- Timers (quick review, plus advanced techniques & methods)
- Comparison instructions (quick review, plus advanced techniques & methods)
- Counters (quick review, plus advanced uses)
- Manipulating & moving numbers (quick review, plus advanced uses and tips)
- Processor faults (quick review, plus use of Fault Routines, etc.)
- Common procedures (quick review of basics, plus more details on advanced procedures)
- Status files / bits (advanced uses)
- Digital numbers in PLC's (advanced uses & tricks)
- Advanced instructions (Sequencers, PID, Messaging, Compute, etc.)

- Communications (basics review and advanced techniques & information)
 - Analog IO (basics review, plus details on more advanced configurations & scaling)
 - Troubleshooting tips (basics review, plus more advanced techniques)
 - Maintenance issues (basics review, plus advanced features, tips, and techniques)
 - Understanding program planning & layouts
 - Setup up RSLogix™ 500 and using software tools (advanced uses)
- Advanced RSLogix™ 500 software features

For any further information please contact us at:

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