PLC WORKSHOP SUITE FOR MODICON TRAINING

FOUNDATIONS SYLLABUS

This course explores the applications of PLC WorkShop Suite for Modicon. The Suite includes PLC programming with PLC WorkShop, running programs in Modicon Simulator, recording and graphing data with FTLogger / FTTrender, and managing file changes with FTVersionTrak PE. This course benefits anyone who writes or troubleshoots Modicon PLC programs for processors that support 984 ladder logic. Upon completion of this course, you will be able to:

Getting Started
- Install PLC WorkShop Suite and components
- Compare the Hardware Key and Site License Options
- Understand the Communication Server
- Open PLC programs online and offline

Menu System
- Navigate and understand every menu item
- Use Toolbar Icons to launch frequently used features
- Add instructions with mnemonics, hotkeys, and click and drop methods
- Edit logic while online, and in offline program files

PLC Configuration
- Specify processor information, address quantities, Traffic Cop, port configuration, configuration extensions, loadables, and segment scheduler

Connecting Online
- Differentiate between connecting to PLC with program file, Fast
- Connect to PLC without program file, and Transfer program file to PLC

Multiple Views
- Identify the uses for each view, like the Logic Editor, Data, Documentation, and Cross Reference Windows

Import Programs
- Convert ModSoft and ProWORX programs into WorkShop files

Ladder Logic Editor
- Identify PLC modes
- Edit ladder logic by entire network or individual instruction node
- Force addresses from within the ladder logic
- View Logic Status and Powerflow
- Personalize user interface settings
- Locate addresses, instructions, network, and keywords
- Configure complex ladder instructions with DX Zoom

Cross Reference
- Identify all addresses in the program, how, and where they are used
- Select specific address groups
- Jump directly to address instances

Data Window
- Construct custom address lists
- Read and write values with the PLC
- Display data in various formats and sizes
- Change and force values
- View all forced values
- Create address templates

Security
- Configure FasTrak Security
- Configure NT Security

Documentation Window
- Define, edit, and navigate through address documentation
- Customize the Documentation Window content

Utilities
- Troubleshoot using PLC WorkShop debug features
- Customize application settings
- Perform PLC diagnostics utilities
- Generate customized printouts
- Preview or print these reports

Data Acquisition
- Record PLC data for later review
- Graph recorded and real-time data

PLC Simulation
- Load, run, and edit programs
- Control program execution by scan, network, and instruction
- Pause program execution with conditional breakpoints
- Test program execution with repeatable I/O simulations

Version Control
- Manage PLC program changes
- Review lists of all previous program versions
- Identify program differences with detailed file comparisons

To find out more about our comprehensive training solutions, contact Sales for information: sales@fast-soft.com or 262.238.8088.

FasTrak SoftWorks, Inc.