

Overview:

This course (CCP153-EL) is designed to teach you how to troubleshoot a previously operational ControlLogix® system and restore to normal operation. The course introduces new tasks such as connecting to a network, interpreting project execution, editing ladder logic online, and more.

You will be presented with a systematic strategy for diagnosing and troubleshooting a variety of common system errors:

- Controller, I/O, and other hardware problems
- Noise-related problems
- Software configuration problems

Objectives:

- Connecting a Computer to a Network
- Interpreting Project Organization and Execution
- Locating and Editing Tag Values
- Interpreting Frequently Used Instructions
- Interpreting Arrays
- Interpreting Tags of User-Defined Data Types
- Searching for Project Components
- Forcing I/O and Toggling Bits
- Troubleshooting Digital I/O Module Problems
- Troubleshooting Analog I/O Module Problems
- Troubleshooting Remote I/O Problems
- Updating Logix5000 Firmware
- Troubleshooting Controller Problems
- Troubleshooting Power Supply Problems
- Analyzing and Troubleshooting a System Using a Trend Chart
- Editing Ladder Logic Online
- Managing Project Files
- Documenting and Printing Project Components
- Troubleshooting Noise-Related Problems



Who Should Attend:

Individuals who need to maintain and troubleshoot a ControlLogix or other Logix 5000 system should attend this course.

Prerequisites:

To successfully complete this course, completion of the Studio 5000 Logix Designer Level 1: Logix 5000™ System Fundamentals course (Course No. CCP146) or equivalent experience is required.

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