

Overview:

This course (CCP143-EL) provides additional knowledge of common controller terms and operation. You can gain a deeper understanding of project development tasks that are common to all Logix5000 controllers. Such tasks include organizing tasks and routines, organizing controller data, configuring modules, and sharing data. You will also use producer/consumer technology for multicasting to input and output devices, sharing data between controllers, and controlling remote I/O.

This course covers tasks common to the following hardware, which all use the Logix5000 control engine:

- ControlLogix® controllers
- CompactLogix™ controllers
- SoftLogix™ controllers



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Objectives:

- Interpreting Program Control Instructions in a Studio 5000 Configuring Logix 5000 System I/O Modules
- Configuring Logix 5000 System Communications over an EtherNet/IP Network
- Organizing Arrays in a Studio 5000 Logix Designer Project
- Creating a User-Defined Data Type in a Studio 5000 Logix Designer Project
- Configuring Additional Tag Functionality in a Studio 5000 Logix Designer Project
- Developing an Add-On Instruction in a Ladder Diagram
- Managing Studio 5000 Logix Designer Project Files and Components
- Studio 5000 Logix Designer Ladder Logic Tips and Tricks
- Retrieving and Setting Controller Status Values with GSV and SSV Instructions
- Configuring a Logix 5000 Controller to Produce and Consume Data
- Configuring a Logix 5000 Message
- Allocating Connections and Updating Firmware in a Logix 5000 System
- Identifying and Correcting Faults in a Logix 5000 System

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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