

# Studio 5000 Logix Designer Level 3: Project Development

## Description

This course (CCP143) 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

## Objectives

- Interpreting Program Control Instructions in a Studio 5000 Logix Designer Project
- Interpreting Timer and Counter Instructions in a Studio 5000 Logix Designer Project
- Interpreting Math Instructions in a Studio 5000 Logix Designer Project
- Interpreting Comparison Instructions in a Studio 5000 Logix Designer Project
- Interpreting Move Instructions in a Studio 5000 Logix Designer Project
- Interpreting Copy and File Fill Instructions in a Studio 5000 Logix Designer Project

## Prerequisites

To successfully complete this course, the following prerequisites are required:

- Completion of Studio 5000 Logix Designer Level 1: ControlLogix System Fundamentals (Course No. CCP146) or equivalent experience
- Completion of Studio 5000 Logix Designer Level 2: ControlLogix Maintenance and Troubleshooting (Course No. CCP153)

## Who Should Attend

This course is intended for individuals who need to develop Studio 5000 Logix Designer® projects for any Logix5000 controller.