

# COURSE DESCRIPTION

## Logix5000™ Controllers

### Topic Outline

- Creating and Organising a New Project
- Creating a Periodic Task
- Organising Data – creating tags, arrays & User Defined Data Types
- Communicating with a Local 1756-I/O Module
- Programming Ladder Logic including
  - Move, Copy, File Fill, Math, Compare and Program Control instructions
- Configuring a Controller to Produce and Consume Data
- Configuring Logix5000 Controllers to Share Data
- Communicating with a Remote 1756-I/O Module
- Creating an Event Task
- Retrieving and Setting Controller Status Values with GSV/SSV Instructions
- Configuring a Message
- Allocating Connections
- Developing an Add-On Instruction

### Who Should Attend

Individuals who need to develop RSLogix5000 projects.

### Course Duration

Four Days

## Development and Programming of ControlLogix Projects



### COURSE CODE: AU-CCP143

#### Course Purpose

This course presents a deeper understanding of project development tasks, including organising tasks and routines, organising controller data, configuring modules, and sharing data.

Students will also multicast input and output devices, share data between controllers, and control remote I/O.

Ladder Logic programming is extended to include move, math, compare and program control instructions.

The instructor will demonstrate each procedure in detail, and then provide realistic situations that allow the students to practice each procedure.

Frequent hands-on practice is provided using actual hardware.

#### Course Objectives

Upon completion of this course, participants will be able to effectively:

- Setup and configure a ControlLogix control system
- Develop ladder logic programs
- Develop a structured and efficient ControlLogix project
- Develop functional specifications for ControlLogix projects

You can also access course information via the Web at:

Australia - [http://www.rockwellautomation.com/en\\_AU](http://www.rockwellautomation.com/en_AU)

New Zealand - [http://www.rockwellautomation.com/en\\_NZ](http://www.rockwellautomation.com/en_NZ)

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