

# COURSE DESCRIPTION

## Logix5000™ Controllers

### RSLogix™ Level 1: ControlLogix® System Fundamentals

#### COURSE AGENDA

##### Day 1

- Understanding Control Systems
- Identifying Logix5000 System Components
- Identifying RSLogix 5000 Software Components
- Creating and Modifying an RSLogix 5000 Project
- Identifying Industrial Networks for Use in a Logix5000 System
- Transferring a Project File to a Logix5000 Controller

##### Day 2

- Configuring Local I/O Modules
- Creating Tags and Monitoring Data in an RSLogix 5000 Project
- Drafting Basic Ladder Logic for an RSLogix 5000 Routine
- Selecting Basic Ladder Logic instructions for an RSLogix 5000 Routine
- Entering Ladder Logic Components in an RSLogix 5000 Routine
- Integrated Practice — Creating and Verifying an RSLogix 5000 Project



#### COURSE NUMBER: CCP146

##### *Course Purpose*

This course will assist students in developing and building a solid foundation with a fundamental knowledge of ControlLogix® and other Logix5000™ systems (i.e., CompactLogix™, FlexLogix™, DriveLogix™, and SoftLogix™). Students will be introduced to basic Logix5000 concepts and terminology, and they will be exposed to Logix5000 system hardware. Students will also have an opportunity to use RSLogix™ 5000 software to perform basic system configuration tasks.

##### *Who Should Attend*

Individuals who have little or no working experience with Logix5000 systems or other programmable controllers should attend this course. Knowledge obtained in this course is required to successfully complete other courses in the Logix5000 curriculum, such as:

*RSLogix 5000 Basic Ladder Logic Interpretation* (Course No. CCCL21),  
*ControlLogix Maintenance & Troubleshooting* (Course No. CCP153), *RSLogix 5000 Basic Ladder Logic Programming* (Course No. CCP151), and *RSLogix 5000 Project Development* (Course No. CCP143).

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**Rockwell  
Automation**

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### **Prerequisites**

To complete this course successfully, students must be able to perform basic Microsoft Windows® tasks, such as:

- Use a mouse
- Browse for files
- Open, close, size and move windows

### **Student Materials**

To enhance and facilitate students' learning experience, the following materials are provided to each student as part of the course package:

- *Student Manual*, which contains the key concepts, definitions, and examples presented in the course and includes the hands-on exercises.
- *Logix5000 Systems Glossary*, which contains terms and definitions specific to Logix5000 systems. This easy-to-use reference tool will help users understand Logix5000 concepts and identify Logix5000 systems terminology.
- *RSLogix 5000 and Logix5000 Procedures Guide*, which contains step-by-step procedures for basic system tasks.

### **Hands-On Practice**

Hands-on practice is necessary for retaining new information and learning skills and to give students a working knowledge of Logix5000 systems. Once students learn the basic components of the system, they will create a working program with RSLogix 5000 software. Specifically, students will download and upload projects, go online, navigate through RSLogix 5000 software, and create basic ladder logic routines.

### **Next Learning Level**

Once students have mastered the fundamental skills covered in this course, they will have the knowledge and skills necessary to attend the next level of Logix5000 training. In particular, this course will benefit those students enrolling in the following courses:

- *RSLogix 5000 Level 2: Basic Ladder Logic Programming* (Course No. CCP151).
- *RSLogix 5000 Level 2: Basic Ladder Logic Interpretation* (Course No. CCCL21).

### **Course Length**

This is a two-day course.

### **Course Number**

The course number is CCP146.

### **IACET CEUs**

CEUs Awarded: 1.4



### **To Register**

To register for this or any other Rockwell Automation training course, contact your local authorized Allen-Bradley Distributor or your local Sales/Support office for a complete listing of courses, descriptions, prices, and schedules.

You can also access course information via the Web at <http://www.rockwellautomation.com/training>.

[www.rockwellautomation.com](http://www.rockwellautomation.com)

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