Logix5000™ Controllers

RSLogix™ 5000 Level 1: ControlLogix® System Fundamentals
Course Description

COURSE AGENDA

Day 1

- Understanding Control Systems
- Locating ControlLogix System Components
- Operating RSLogix 5000 Software
- Creating and Modifying an RSLogix 5000 Project
- Selecting Industrial Networks for Use in a Logix5000 System
- Downloading and Going Online to a Logix5000 Controller
- *Optional: TechnoTrivia Part One*

Day 2

- Determining Local I/O Tags in a Logix5000 System
- Configuring Local 1756-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
- *Optional: TechnoTrivia Part Two with Finale*
- Integrated Practice — Creating and Verifying an RSLogix 5000 Project

COURSE NUMBER: CCP146

Course Purpose

This course will assist you in developing and building a solid foundation with a fundamental knowledge of ControlLogix® and other Logix5000™ systems (i.e., CompactLogix™, FlexLogix™, DriveLogix™, and SoftLogix™).

You will be introduced to basic Logix5000 concepts and terminology, and you will be exposed to Logix5000 system hardware, including hands-on experience with the ControlLogix platform.

You 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 Level 2: Basic Ladder Logic Interpretation* (Course No. CCCL21)

- *RSLogix 5000 Level 3: Maintenance and Troubleshooting* (Course No. CCP153)

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

- *RSLogix5000 Level 3: Project Development* (Course No. CCP143)

Allen-Bradley · Rockwell Software

Rockwell Automation

Prerequisites

To complete this course successfully, you 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 your 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 you understand Logix5000 concepts and terminology.

- *RSLogix 5000 and Logix5000 Fundamentals Procedures Guide*, which provides all of the steps required to complete basic RSLogix 5000 software tasks common to all Logix5000 hardware platforms. By following the procedures in this job aid, you can immediately apply what is learned in the course to your own job.

Hands-On Practice

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

Next Learning Level

Once you have mastered the fundamental skills covered in this course, you 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)

- *RSLogix5000 Level 3: Project Development* (Course No. CCP143)

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

- *RSLogix 5000 Level 3: Maintenance and Troubleshooting* (Course No. CCP153)

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