

# PLC-5<sup>®</sup>/SLC<sup>™</sup> 500 Processors

## PLC-5<sup>®</sup>/SLC<sup>™</sup> 500 and RSLogix<sup>™</sup> Fundamentals Course Description

### COURSE AGENDA

- Understanding Programmable Controller Systems
- Identifying Common Hardware Components of Processors
- Identifying Hardware Components of I/O Systems
- Identifying I/O Configurations
- Getting Started with Programming Systems
- Changing the Radix (Base) of a Number
- Setting Up Communications between a Programming System and a Processor
- Identifying PLC-5 System Addresses
- Identifying SLC 500 System Addresses
- Interpreting Ladder Logic
- Interpreting Timer On Delay (TON) Instructions
- Interpreting Count Up (CTU) Instructions



### COURSE NUMBER: CCP122

#### *Course Purpose*

Upon completion of this course, you will be able to perform the following tasks:

- Identify the main components of programmable controller systems and describe their functions
- Describe the flow of information through a programmable controller system
- Navigate through the RSLogix 5 or RSLogix 500 software
- Transfer, monitor, and run projects on a PLC-5 or SLC 500 processor
- Interpret simple ladder logic programs

This course is designed as an introduction to programmable controller systems. The PLC-5 or SLC 500 system will be featured using either RSLogix 5 or RSLogix 500 software.

**Important:** By the time the course is finished, you will not be able to program, maintain, or troubleshoot a PLC-5 or SLC 500 system. However, you will have the prerequisite understanding required for the courses that teach those skills.

### ***Who Should Attend***

Individuals who have little or no working experience with programmable controller systems should attend this course. This course is also recommended for individuals who are preparing for the following courses:

- *PLC-5 and RSLogix 5 Programming* (course # CCP410)
- *SLC 500 and RSLogix 500 Programming* (course # CCPS41)
- *PLC-5 and RSLogix 5 Maintenance and Troubleshooting* (course # CCP412)
- *SLC 500 and RSLogix 500 Maintenance and Troubleshooting* (course # CCPS43)
- Basic knowledge of Microsoft® Windows®

### ***Prerequisites***

There are no prerequisites for this course.

### ***Technology Requirements***

All technology is provided for student use in the classroom by Rockwell Automation. It is not necessary for students to bring any technology with them when attending this course.

### ***Student Materials***

To enhance and facilitate your learning experience, the following materials are provided 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.

### ***Course Length***

This is a two-day course.

### ***Course Number***

The course number is CCP122.



### ***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>

All trademarks and registered trademarks are property of their respective companies.

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

### **Power, Control and Information Solutions**

Americas: Rockwell Automation, 1201 South Second Street, Milwaukee, WI 53204-2496 USA, Tel: (1) 414.382.2000, Fax: (1) 414.382.4444

Europe/Middle East/Africa: Rockwell Automation SA/NV, Vorstlaan/Boulevard du Souverain 36, 1170 Brussels, Belgium, Tel: (32) 2 663 0600, Fax: (32) 2 663 0640

Asia Pacific: Rockwell Automation, Level 14, Core F, Cyberport 3, 100 Cyberport Road, Hong Kong, Tel: (852) 2887 4788, Fax: (852) 2508 1846