

PLC-5[®]/SLC[™] 500 Processors

PLC-5[®]/SLC[™] 500 and RSLogix[™] 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>

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