

PLC-5 /SLC Processors

PLC-5/SLC 500 and
RSLogix Fundamentals



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.

COURSE AGENDA

DAY 1-2

- 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

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 No. CCP410)
- *SLC 500 and RSLogix 500 Programming* (Course No. CCPS41)
- *PLC-5 and RSLogix 5 Maintenance and Troubleshooting* (Course No. CCP412)
- *SLC 500 and RSLogix 500 Maintenance and Troubleshooting* (Course No. CCPS43)
- Basic knowledge of Microsoft Windows

PREREQUISITES

- None

STUDENT MATERIALS

To enhance and facilitate the students' learning experiences, the following materials are provided as part of the course package:

- Student Manual
 - Includes the key concepts, definitions, examples, and activities presented in this course
- Lab Book
 - Provides learning activities and hands-on practice. Solutions are included after each exercise for immediate feedback

HANDS-ON PRACTICE

Throughout this course, you will have the opportunity to practice the skills you have learned through a variety of hands-on exercises. These exercises focus on the skills introduced in each lesson.

COURSE LENGTH





This is a two-day course.

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>

To be respectful of the environment, Rockwell Automation is transitioning some of its training courses to a paperless format. Students are asked to complete downloads and bring personal devices to these classes. A full list of digital/paperless courses is currently available through your local distributor.

Connect with us.    

rockwellautomation.com — expanding **human possibility**™

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 NV, Pegasus Park, De Kleetlaan 12a, 1831 Diegem, 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

Allen-Bradley, PLC-5, RSLogix, RSLogix 500, and SLC are trademarks of Rockwell Automation, Inc.
Trademarks not belonging to Rockwell Automation are property of their respective companies.

Publication GMST10-PP183G-EN-E - January 2020 | Supersedes Publication GMST10-PP183F-EN-E - January 2018

Copyright © 2020 Rockwell Automation, Inc. All Rights Reserved. Printed in USA.