

Rockwell Automation

SLC 500™ Processors

SLC500 Programming

CCPS41

Course Purpose

This course provides students with the resources and hands-on practice required to efficiently program an SLC 500 processor to meet the requirements of a given specification, using RSLogix 500 software.

In this course, students will create a program, step-by-step, to meet the requirements of a given functional specification. As each section of the program is built, students will gain experience that can be applied to more advanced RSLogix 500 projects.

Each lesson in the course is devoted to a step in the programming sequence. An instructor will present each step and demonstrate the procedure required to complete it.

After each procedure has been demonstrated, students will be a given an opportunity to apply what they have learned by drafting ladder logic and testing the project using the SLC 500 workstation.

Who Should Attend

Individuals who are responsible for programming SLC 500 applications using RSLogix 500 software should attend this course.

Prerequisites

To successfully complete this course, the following prerequisites are required:

- Experience maintaining electrically controlled systems
- Experience operating a personal computer within a Microsoft® Windows 95® or Windows NT® environment
- Completion of the *Fundamentals of Programmable Controller Systems Using RSLogix 5 or RSLogix 500 Software* (Course No. CCP122)

Course Agenda

This course consists of the following lessons:

- Identifying SLC 500 System Components
- Getting Started with RSLogix 500 Software
- Communicating with an SLC 500 Processor
- Creating a New Project
- Determining Addresses and Assigning Symbols
- Drafting Ladder Logic
- Selecting and Programming Bit Instructions
- Entering, Editing, and Verifying Ladder Logic
- Determining Program Flow and Creating Subroutines

Course Agenda (continued)

- Selecting and Programming Timer Instructions
- Selecting and Programming Counter Instructions
- Entering and Searching for Documentation
- Organizing the Data Table
- Selecting and Programming Math Instructions
- Selecting and Programming Data Handling Instructions
- Selecting and Programming Comparison Instructions
- Testing a Project
- Configuring and Previewing a Project Report

Course Length

This is a four-day course.

Course Number

The course number is CCPS41.

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.ca>