

PLC-5[®] Processors

PLC-5[®] and RSLogix[™] 5 Programming Course Description

COURSE AGENDA

- Identifying PLC-5 System Components and Configurations
- Getting Started with RSLogix 5 Software
- Establishing Communications between a Computer and a PLC-5 Processor
- Configuring Channels for a PLC-5 Processor
- Identifying Addresses and Organizing the Data Table
- Drafting Ladder Logic
- Programming Bit Instructions
- Entering, Editing, and Verifying Ladder Logic
- Selecting and Programming Timer and Counter Instructions
- Controlling Program Flow
- Entering Documentation
- Searching Ladder Logic
- Converting Integer Values to and from Binary Coded Decimal (BCD) Values
- Selecting and Programming Mathematical Instructions
- Selecting and Programming Compare Instructions
- Selecting and Programming Data Manipulation Instructions
- Configuring and Previewing a Project Printout



COURSE NUMBER: CCP410

Course Purpose

This course introduces you to programming techniques and instructions that will assist you in successfully configuring and programming a 1785 PLC-5 system using RSLogix 5 software.

Throughout the course, you will learn and practice programming instructions and techniques to create a functional ladder logic project within a PLC-5 system. Application-based exercises will provide hands-on practice in using the RSLogix 5 software to program a PLC-5 processor.

After completing this course, you will gain experience performing the following tasks:

- Creating a project in RSLogix 5 software and running it on a PLC-5 processor
- Writing bit level, timer, counter, element, and file level instructions in a ladder logic project
- Adding documentation to projects
- Configuring and printing project reports

Who Should Attend

Individuals who have to write ladder logic projects for 1785 PLC-5 processors should attend this course. This course addresses all of the PLC-5 processors, with the exception of the PLC-5/250™ processor.

Prerequisites

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

- Experience with basic control and electrical principles
- Completion of *PLC-5/SLC 500 and RSLogix Fundamentals* (Course No. CCP122) or equivalent experience

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.
- *RSLogix 5 and PLC-5 Procedures Guide*, which provides all the steps required to complete common RSLogix 5 software tasks, including the tasks in the exercises. By following the procedures in this job aid, you can immediately apply what is learned in the course to your own job.
- *PLC-5 Documentation Reference Guide*, which contains several relevant technical publications. This searchable, electronic resource contains the most frequently referenced programming information and is a quick and efficient on-the-job resource.
- *1785 PLC-5 Programmable Controllers Quick Reference*, which provides a wide-range of maintenance information about the PLC-5 processors.

Course Length

This is a four-day course.

Course Number

The course number is CCP410.

IACET CEUs

CEUs Awarded: 2.8



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.

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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