

COURSE DESCRIPTION

PLC-5[®] Processors

PLC-5[®] and RSLogix™ 5 Programming

COURSE AGENDA

- Identifying PLC-5 System Components and Configurations
- Getting Started with RSLogix 5 Software
- Establishing Communications
- 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, Compare, and 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, your instructor will demonstrate how to use programming instructions and techniques to create a functional ladder logic project within a PLC-5 system. After each demonstration, you will be given an application-based exercise that provides you with an extensive hands-on practice in using the RSLogix 5 software to program a PLC-5 processor.

By following the procedures in the job aids provided with the course materials, you can immediately apply what you have learned in this course to your job.

Upon completion of this course, you will be able to program a 1785 PLC-5 processor using RSLogix 5 software by performing these tasks:

- Create a project in RSLogix 5 software and run it on a PLC-5 processor
- Write bit level, timer, counter, element, and file level instructions in a ladder logic project
- Add documentation to projects
- Configure and print project reports

LISTEN. THINK. SOLVE.SM

**Rockwell
Automation**

COURSE DESCRIPTION

PLC-5[®] Processors

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 any of the following courses or equivalent experience:
- *PLC-5/SLC 500 and RSLogix Fundamentals* (Course No. CCP122)

Student Materials

To enhance and facilitate students' learning experience, the following materials are provided to each student 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, students can immediately apply what is learned in the course to their own jobs.

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.

You can also access course information via the Web at <http://www.rockwellautomation.com/training>

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