PLC-5® Processors
PLC-5® and RSLogix™ 5 Advanced Programming Course Description

COURSE AGENDA

- Setting Up a PLC-5 System on a DH+ network
- Planning Program Flow Strategies
- Programming Sequential Function Charts (SFCs)
- Configuring Multiple Main Control Programs (MCPs)
- Programming Selectable Timed Interrupt (STI) Routines
- Programming Processor Input Interrupt (PII) Routines
- Programming Fault Routines
- Programming the File Search and Compare (FSC) Instruction
- Selecting and Programming Shift Register Instructions
- Selecting and Programming Sequencer Instructions
- Applying Indirect and Indexed Addressing
- Programming a Message (MSG) Instruction for DH+ Communications
- Transferring Data between Processors and Analog Modules
- Transferring Data between Scanner and Adapter Processors
- Programming a Proportional Integral Derivative (PID) Instruction
- Programming ASCII Instructions

COURSE NUMBER: CCP411

Course Purpose

Upon completion of this course, you will gain experience and be able to perform the following tasks:

- Setting up a PLC-5 system on a DH+™ network
- Planning program flow strategies
- Writing programs using advanced programming instructions and techniques
- Transferring data between PLC-5 processors on a DH+ network, between PLC-5 processors and analog modules, and between PLC-5 processors in scanner and adapter modes

This course provides you with the skills needed to program PLC-5 processors using RSLogix 5 software. You will practice using advanced programming techniques and instructions. The instructor will demonstrate all relevant procedures, then provide you with realistic situations in which to practice those procedures.

LISTEN.
THINK.
SOLVE.

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Who Should Attend

Individuals who need to write or interpret ladder logic projects using advanced programming techniques and instructions for PLC-5 processors should attend this course. Because this course focuses on advanced programming techniques and instructions, individuals who need to maintain, troubleshoot, sell, or support PLC-5 products should attend a different course. Your instructor can help you identify which course(s) will best meet your training needs.

Prerequisites

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

- Completion of the *PLC-5 and RSLogix 5 Programming* (Course No. CCP410) course or equivalent programming experience

- Experience operating a computer within a Microsoft Windows environment

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 topical outlines and exercises. Use this manual to follow presentations, take notes, and work through your exercises.

- *RSLogix 5 and PLC-5 Procedures Guide,* which provides all the steps required to complete basic RSLogix 5 software tasks that are common to all PLC-5 processors. By following the procedures in this job aid, you can immediately apply what is learned in the course to your own job.

Student Materials (continued)

- The *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.

Hands-On Exercises

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.

You will also have the opportunity to combine and practice several key skills by completing an integrated practice.

Course Length

This is a 4.5 day course.

Course Number

The course number is CCP411.

IACET CEUs

CEUs Awarded: 3.2

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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