Motion Control
Motion Control Fundamentals Course Description

COURSE NUMBER: CCN130

Course Purpose

Upon completion of this course, you should be able to demonstrate fundamental motion control concepts common to all Rockwell Automation motion control systems.

This course is designed to provide you with an understanding of the concepts, terminology, functionality and applications of motion control. In addition, you will also learn how motion control applications function using the concepts and principles discussed in each lesson.

This course will allow you to establish the strong essential foundation you need before learning the skills necessary to maintain and program motion control systems.

This course does not address motion control system design or specific motion control software programming. If you are seeking training in these areas, you should enroll in the relevant Rockwell Automation training courses, making sure you have fulfilled the prerequisites for those courses prior to enrollment.

LISTEN.
THINK.
SOLVE.

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Who Should Attend
Individuals who need to learn basic motion control concepts for their job or as a prerequisite for attending other motion control courses should attend this course.

Prerequisites
There are no specific prerequisites required for attending this class. However, a background in basic electricity, electronics, and computer concepts is helpful but not required.

Hands-On Practice
Throughout the course, you will have the opportunity to practice skills you have learned through a variety of hands-on exercises with Rockwell Automation motion control hardware. You will also have the chance to combine and practice several key skills by completing an integrated practice.

Student Materials
To enhance and facilitate your learning experience, the following materials are provided with the course package:

- *Student Manual*, which contains the topical outlines and exercises. You will use this manual to follow presentations, take notes, and complete the exercises.

- *Motion Control Glossary*, which provides an alphabetized listing of common terminology and definitions as it relates to motion control. This glossary will help you become more familiar with technical terms and concepts needed to understand motion control.

Next Learning Level
Once you have mastered the fundamental skills covered in this course, you will have the knowledge and skills necessary to attend the next level of motion control training. In particular, this course will benefit those students enrolling in the following courses:

- *Kinetix 6000 Maintenance and Troubleshooting* (Course No. CCN200)

- *RSLogix 5000 Level 4: Motion Programming Using Ladder Logic* (Course No. CCN142)

Course Length
This is a two-day course.

Course Number
The course number is CCN130.

IACET CEUs
CEUs Awarded: 1.4

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