



AUTOMATION | ELECTRICAL
DATA COMM & SECURITY
INDUSTRIAL & SAFETY
FLUID POWER

AUTOMATION

TUES. NOV. 13 -
WED. NOV. 14
8 AM - 5 PM

SMC JOPLIN
923 W. 4TH ST.
JOPLIN, MO 64801

COURSE NUMBER CCN130

MOTION CONTROL FUNDAMENTALS

TRAINING EVENT

This course is designed for individuals who need to learn basic motion control concepts for their job or need a prerequisite for attending other motions control courses. In this course you will learn how to demonstrate fundamental motion control concepts common to all Rockwell Automation 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 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 prior to learning the skills necessary to maintain and program motion control systems.

This course will award 1.4 IACET CEUs.



+ HANDS-ON

Throughout this course, you will have the opportunity to practice the skills you have learned through a variety of hands-on exercises.

COST

\$1,875
Includes lunch
each day

REGISTER

To register, contact Suzan McPherson at smcpherson@smcelectric.com by Monday, October 22.

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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.

Prerequisites

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

- A background in basic electricity, electronics, and computer concepts
- A basic knowledge of controllers operation

SCHEDULE

Day 1

- Identifying Servo Motion Elements
- Tracing the Power Supply Circuit
- Creating a Motion Profile
- Identifying and Applying a Reference

Day 2

- Identifying Motion Drive Elements
- Tracing Signal Flow Through the Drive Control Module
- Identifying Motor Types and Components
- Identifying Feedback Devices
- Identifying and Scaling Loads