



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

## AUTOMATION

TUES. NOV. 2 -  
WED. NOV. 3  
8 AM - 5 PM

SMC SPRINGFIELD  
509 N. WASHINGTON  
SPRINGFIELD, MO 65806

COURSE NUMBER CCN130

## MOTION CONTROL FUNDAMENTALS

## TRAINING EVENT

This course is designed to provide individuals 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.

**This course will award 1.4 IACET CEUs.**



**Authorized  
Service Provider**

A ROCKWELL AUTOMATION PARTNER

### + 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

**\$1,895**  
Includes lunch



### REGISTER

To register, contact Melanie Steck  
at [msteck@smcelectric.com](mailto:msteck@smcelectric.com)  
by October 2, 2021.

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## 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