



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

AUTOMATION

TUES. NOV. 9 -
THURS. NOV. 11
8 AM - 5 PM

SMC SPRINGFIELD
509 N. WASHINGTON
SPRINGFIELD, MO 65806

COURSE NUMBER CCN132

MOTION CONTROL FUNDAMENTALS USING KINETIX 5700 (CIP) SERVO DRIVES

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 will award 2.1 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

\$2,050
Includes lunch
each day

REGISTER

To register, contact Melanie Steck at msteck@smcelectric.com by October 9, 2021.

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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

Day 3

- Identifying and Applying a Reference to a Servo Drive
- Identifying the Elements of an Integrated Motion
- Application Using Logix 5000 Controllers
- Identifying Motion Modules and Axis Tags Using Studio 5000 Logix Designer Software