

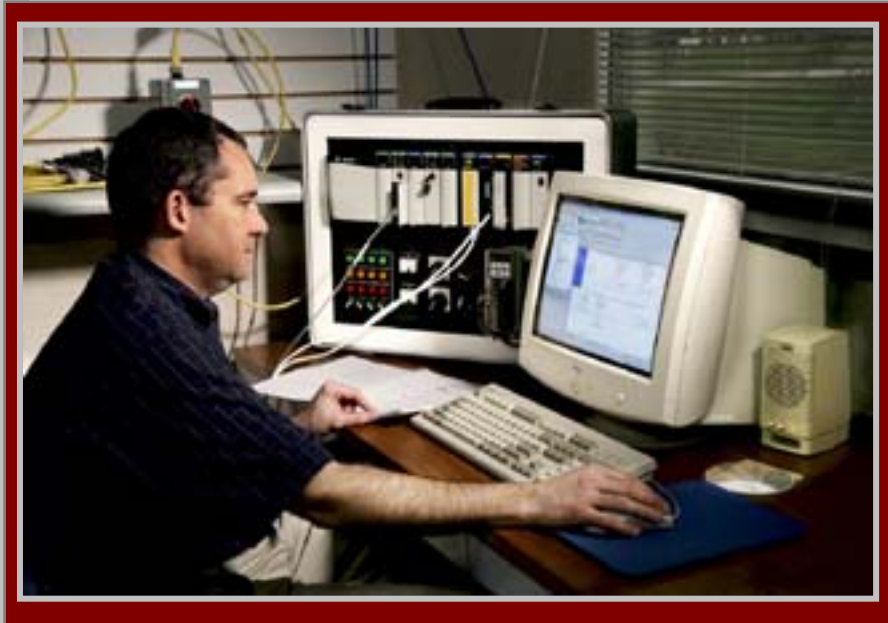
## PowerFlex<sup>®</sup> 700 Vector Control Drives

**Location:** [SMC Training Center](#)  
1616 W. Main, Sedalia, MO  
**Date:** March 16, 2010  
**Price:** \$750.00

### COURSE AGENDA

- Configuring Drive Parameters Using the LCD HIM
- Configuring Drive Parameters Using DriveExplorer Software
- Configuring Drive Parameters Using DriveExecutive Software
- Uploading and Downloading Drive Data
- Starting Up a Drive
- Controlling Drive Operation
- Installing and Configuring an EtherNet/IP Communications Adapter
- Optional: Installing and Configuring a Remote I/O Communications Adapter
- Optional: Installing and Configuring a DeviceNet Communications Adapter
- Optional: Installing and Configuring a ControlNet Communications Adapter

## PowerFlex<sup>®</sup> 700 Vector Control Configuration and Startup



**COURSE NUMBER: CCA161**

### *Course Purpose*

This skill-building course introduces techniques and instructions that will assist you in successfully configuring and starting up a PowerFlex 700 vector control drive.

Throughout the course, the instructor will demonstrate how to configure PowerFlex 700 drive parameters. The instructor will also demonstrate how to install and commission remote I/O, DeviceNet, and ControlNet communications adapters. After each demonstration, you will be given an application-based exercise that offers extensive hands-on practice using the LCD HIM, DriveExplorer<sup>™</sup> software, and DriveExecutive<sup>™</sup> software.

This one-day course can be taken as a stand-alone course, or it can be taken in conjunction with other courses in the PowerFlex 700 curriculum for further skill development.

# COURSE DESCRIPTION

## PowerFlex® 700 Vector Control Drives

### *Who Should Attend*

Individuals responsible for configuring parameters and starting up PowerFlex 700 vector control drives should attend this course.

### *Prerequisites*

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

- Experience operating a personal computer within a Microsoft® Windows® environment
- Completion of the *AC/DC Motors and Drives Fundamentals* course (Course No. CCA101) or equivalent experience

### *Student Materials*

To enhance and facilitate students' learning experience, the following materials are provided to each student as part of the course package:

- *Student Manual*, which contains the key concepts, definitions, and examples presented in the course and includes the hands-on exercises.
- *PowerFlex 700 Standard and Vector Control Procedures Guide*, which provides all the steps required to complete common PowerFlex 700 tasks, including the tasks in the hands-on exercises. By following the procedures in this job aid, you can immediately apply what is learned in the course to your own job.
- *PowerFlex 700 Standard and Vector Control Documentation Reference Guide*, which contains excerpts from several PowerFlex™ technical publications. This guide contains the most frequently referenced information and is a quick and efficient on-the-job resource.
- *PowerFlex Standard and Vector Control Quick Reference Guide*, which provides lists of parameters in both alphabetic and numeric order, as well as other information to assist with locating, monitoring, and modifying PowerFlex 700 drive parameters.

### *Hands-On Practice*

Hands-on practice is an integral part of learning, and this course offers extensive hands-on opportunities. An in-class workstation allows students to configure parameters, install communications adapters, and start up the drive. Students will perform the tasks using a PowerFlex 700 AC drive workstation and a fan demo. The fan application introduces real-world configuring situations into a classroom setting.

### *Course Length*

This is a one-day course.

### *Course Number*

The course number is CCA161

### *IACET CEUs*

CEUs Awarded: .7



### *To Register*

To register for this or any other Rockwell Automation training course, **contact SMC at (660) 827-5377**.

You can also access course information via the Web at <http://www.smcelectric.com>



[www.rockwellautomation.com](http://www.rockwellautomation.com)

### **Power, Control and Information Solutions**

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