

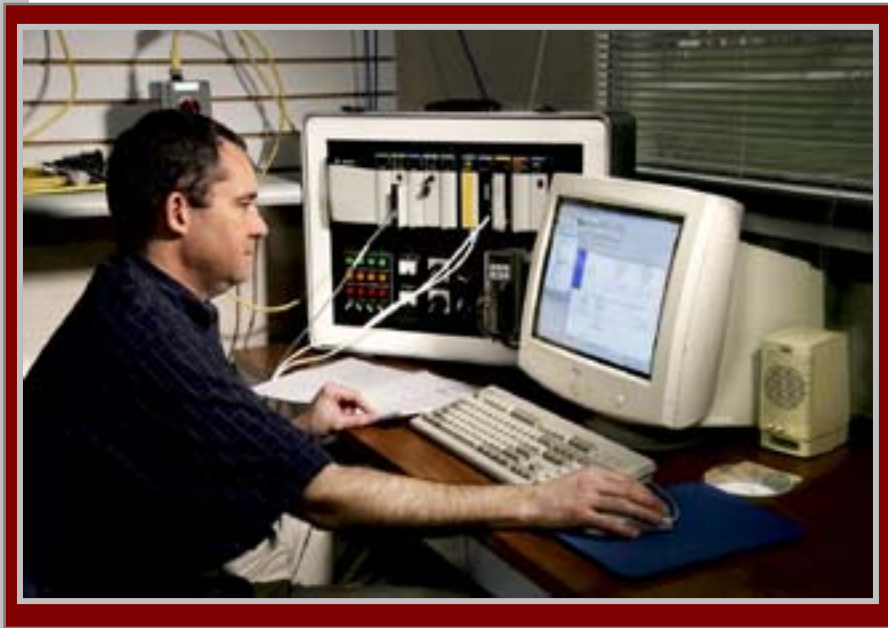
# COURSE DESCRIPTION

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

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

#### 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



**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.

LISTEN. THINK. SOLVE.<sup>SM</sup>

**Rockwell  
Automation**

# 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 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>

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

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