Motor Control Centers
COURSE DESCRIPTION

COURSE AGENDA

Day 1
- Basics of DeviceNet
- RSLinx and RSNetWorx
- Basics of the software
- Advanced features of IntelliCENTER
- Using IntelliCENTER ActiveX Controls
- DeviceNet Wiring and Receiving Your MCC
- Adding MCC Units and Sections to IntelliCENTER
- Replacing A Device – Discussion and Demo
- Support Services

Day 2
- Configuring ControlLogix for Communications
- DeviceNet Scanner Mapping Featuring the E3 Overload
- DeviceNet Scanner Mapping Lab
- Basic Programming Concepts

IntelliCENTER and DeviceNet Configuration

COURSE NUMBER: CCI106-LD

Course Purpose

This course provides the concepts, knowledge, and tools necessary to design, specify, install, troubleshoot, and use an IntelliCENTER MCC or DeviceNet Motor Control Center (MCC).

Upon completion of this course, you will be able to produce an operational IntelliCENTER MCC by performing these tasks:
- Basics of communication and Rockwell Automation networks
- Control and communication architectures overview, with sample architecture problems solved in class (selecting networks, networked devices, network speeds, etc.)
- DeviceNet MCC structure, units, and wiring technical details for both low voltage and medium voltage MCCs
- Demonstration of software associated with DeviceNet MCCs (RSLinx and RSNetWorx for DeviceNet)
- Necessary steps for a successful start-up, including installing EDS files
- Maintenance issues, such as adding MCC units to IntelliCENTER MCC's, replacement of DeviceNet devices, and recommended tools
- Network configuration, mapping of scanners, and PLC programming in a DeviceNet MCC system, including hands-on exercises with a ControlLogix system

Allen-Bradley • Rockwell Software

Rockwell Automation

Who Should Attend

The course is intended for control engineers, electrical technicians, and system integrators who will be involved in designing, installing, and using IntelliCENTER / DeviceNet MCCs.

Prerequisites

The following prerequisite is required:
- Familiarity with Windows® and PLC programming

Student Materials

To enhance and facilitate your learning experience, the following materials are provided as part of the course package:

- *Student Lab Manual*, which contain the topical outlines and exercises. You will use these manuals to follow presentations, take notes, and work through the exercises.

Hands-On Practice

Throughout the course, you will have the opportunity to practice skills you have learned through a variety of hands-on exercises. You will also have the chance to combine and practice several key skills by completing an integrated practice.

Course Length

This is a two-day course.

Course Number

The course number is CCI106-LD.

IACET CEUs

CEUs Awarded: 1.4

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