

Virtual Classroom Course Description



Implementing an EtherNet/IP Network of Motion and Standard Drive Axes Using Premiere Integration



Course Agenda

Session 1:

Choosing an EtherNet/IP Network Topology and Configuring the Network in a Studio 5000 Logix Designer Project

- Choose a network topology
- Choose network components
- Configure a network
- Add the motion group and axes

Session 2:

Adding Drives and Configuring Axes for Control over an EtherNet/IP Network in a Studio 5000 Logix Designer Project

- Add drives
- Configure axes

Session 3:

Commissioning Axes for Control over an EtherNet/IP Network Using the Studio 5000 Logix Designer Application

- Start up an EtherNet/IP network
- Test hardware
- Autotune axes
- Test axis performance

Course Number

VC-CCN300-C

Course Purpose

This course will teach you how to choose an EtherNet/IP™ network topology and relevant components, configure controllers and axes, and add Kinetix® 6500 and

PowerFlex® 755 drives for control over an EtherNet/IP network (also known as CIP™ motion). This course will also show you how to start up the network, run hookup tests, autotune axes, and test axes with motion direct commands.

LISTEN.
THINK.
SOLVE.®

Who Should Attend

Control engineers who design and develop motion control applications and who will be working with drives controlled over an EtherNet/IP network should attend this course.

Prerequisites

Experience developing motion control applications and working in the Studio 5000® environment.

Technology Requirements

- A computer and phone are required. For minimum computer requirements for the virtual classroom tool, please visit: <http://support.webex.com/support/system-requirements.html>
- The Studio 5000 Logix Designer® application, version 21, must be installed and activated. If you don't have the Studio 5000 Logix Designer application, your virtual classroom invitation will provide details on how to obtain a temporary installation of the software.
- Studio 5000 Logix Designer application version 21 has the following requirements:

Characteristic	Minimum	Recommended
Processor	Pentium 4	Intel Core i5
Speed	2.8 GHz	2.8 GHz
RAM Memory	2 GB	8 GB
Hard Disk Space - Free	16 GB	20 GB
Graphic Device	DirectX 9, with WDDM 1.0 or higher drive	DirectX 9, with WDDM 1.0 or higher drive

Note: The Studio 5000 Logix Designer application is currently not supported with Windows® 8 operating systems.

Student Materials

You will receive the following course materials:

- Integrated Drives Control on EtherNet/IP Workbook
- Integrated Drives Control on EtherNet/IP Procedures Guide
- Popular Configuration Drawings

Hands-On Practice

In the first and second sessions, you will practice tasks offline using the Studio 5000 Logix Designer application. In the third session, you will take turns practicing tasks online by remotely sharing your instructor's software and hardware setup, which includes the Logix Designer application as well as ControlLogix®, Kinetix® 6500, and PowerFlex® 755 workstations.

Next Learning Level

For instructor-led training related to ladder logic, consider the following course:

- *Studio 5000 Logix Designer Level 3: Project Development* (Course Number CCP143)
- *Studio 5000 Logix Designer Level 4: Kinetix 6500 Motion Programming* (Course Number: CCN144)

Course Length

Each session = 120 minutes

Virtual Classroom Learning Activities and Features

Rockwell Automation Virtual Classroom training is delivered by a live instructor using a blended learning style, which includes a combination of PowerPoint presentations, video, and/or animations, as well as interactive practice. Courses can include various learning activities and features:

- Polls/surveys
- Group and private chat
- White board
- Desktop sharing
- Passing control to students
- Break out rooms for small group discussion
- Check knowledge through testing

IACET CEUs

Rockwell Automation is authorized by IACET to offer 0.6 CEUs for this program (0.2 CEUs per session).



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.

Rockwell Automation is accredited by the International Association for Continuing Education and Training (IACET) and is authorized to issue the IACET CEU. [Click here](#) to view the Rockwell Automation Certificate of Accreditation.

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