



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

AUTOMATION

MON. SEPT. 26 -
TUE. SEPT. 27
8 AM - 5 PM

SMC JOPLIN
923 W. 4TH ST. JOPLIN,
MO 64801

COURSE NUMBER CCP182

ESSENTIALS OF INDUSTRIAL ETHERNET NETWORKS FOR AN OT PROFESSIONAL

TRAINING EVENT

This is a two-day course designed for operations technology (OT) professionals (such as control engineers) and others responsible for installing, configuring, and/or maintaining industrial devices on an Ethernet network.

In this course, you will learn how to verify communications between devices, recognize data transmission types, and differentiate between OSI Model Layer 2 and Layer 3 switching functions. You will also identify the routing process, monitor a switch using Device Manager and CLI commands, and work with IOS configuration files.

This course awards 1.4 IACET CEUs.



+ 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

\$2,375
Includes lunch
each day

REGISTER

To register, contact Suzan McPherson at smcpherson@smcelectric.com by Thursday, September 1.

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Prerequisites

To successfully complete this course, the ability to perform basic Windows operating system tasks is required

SCHEDULE

Day 1

- Interpreting an Ethernet Network Hardware Layout
- Verifying Communications between Two Ethernet Devices
- Interpreting Basic Data Flow of Host-to-Host Ethernet Communications
- Recognizing Ethernet Data Transmission Types
- Recognizing Layer 2 Switching Functions on an Ethernet Network

Day 2

- Recognizing Ethernet Network Loop Avoidance Protocols
- Interpreting the Network Address Translation (NAT) Scheme for an Ethernet Network
- Accessing Ethernet Switch Information Using CLI Commands
- Recognizing Layer 3 Switching Functions on an Ethernet Network
- Copying and Removing IOS Configuration Files on an Ethernet Switch