SMC SM

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**TUES. MAR 23-
WED. MAR 24**

8 AM - 5 PM

SMC SPRINGFIELD
509 N WASHINGTON
SPRINGFIELD, MO 65806

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.

RA Authorized Service Provider
A ROCKWELL AUTOMATION PARTNER

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

$1,900

Includes lunch each day

REGISTER

To register, contact Melanie Steck at msteck@smcelectric.com by Friday, March 5, 2021.

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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