



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

## AUTOMATION

WED. MAY 19 -  
FRI. MAY 21  
8 AM - 5 PM

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

COURSE NUMBER CCP183

# ETHERNET/IP CONFIGURATION & TROUBLESHOOTING

## TRAINING EVENT

This is a **three-day course** designed for technicians and engineers who must deploy and maintain Industrial Automation and Control System (IACS) networks.

This course should prepare you to effectively:

- Configure a Stratix® switch (5700, 8000, and/or 8300) to meet a variety of network requirements
- Assign IP addresses to devices on an EtherNet/IP network using rotary switches and a variety of software
- Monitor switch performance and status
- Diagnose and resolve issues with switches and devices on a network

This course awards 2.1 IACET CEUs.



**Authorized  
Service Provider**

A ROCKWELL AUTOMATION PARTNER

### + 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

\$2,250  
Includes lunch  
each day



### REGISTER

To register, contact Suzan McPherson at [smcpherson@smcelectric.com](mailto:smcpherson@smcelectric.com) by April 20, 2021.

## Prerequisites

To successfully complete this course, of the Studio 5000 Logix Designer Level 1: ControlLogix System Fundamentals course (CCP146) or equivalent experience, such as downloading project files to a ControlLogix controller is required.

## SCHEDULE

### Day 1

- Assigning a Computer's IP Address
- Pinging a Device's IP Address
- Assigning IP Addresses Using RSLinx Classic Software and Rotary Switches
- Assigning IP Addresses Using BOOTP/DHCP Server Software
- Configuring Stratix 5700 Switch Settings Using the Express Setup
- Creating and Assigning VLANs

### Day 3

- Isolating EtherNet/IP Network Problems
- Diagnosing Problems with EtherNet/IP Modules
- Diagnosing Problems with EtherNet/IP Network Components
- Monitoring an EtherNet/IP Network Using Web-Enabled Technologies
- Troubleshooting a Stratix 5700 Switch
- Updating Stratix 5700 Switch Firmware

### Day 2

- Configuring DHCP Persistence
- Configuring Network Address Translation (NAT)
- Configuring Port Security and Traffic Monitoring
- Monitoring Stratix 5700 Switch Status and Performance
- Managing a Stratix 5700 Switch Using a Studio 5000 Logix Designer Project