SMC SM

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

AUTOMATION

TUE. DEC. 8 -
FRI. DEC. 11
8 AM - 5:00 PM

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

COURSE NUMBER CCP153

CONTROLLOGIX® / STUDIO 5000 LOGIX DESIGNER® LEVEL 2: CONTROLLOGIX MAINTENANCE & TROUBLESHOOTING

TRAINING EVENT

This course is designed for individuals who need to maintain and troubleshoot a ControlLogix or other Logix5000™ system. Upon completion of this course, you will be able to troubleshoot a previously operational ControlLogix® system and restore normal operation.

This course adds to your skill set by introducing new tasks such as connecting to a network, interpreting project execution, editing ladder logic online, and more.

You will then be presented with a systematic strategy for diagnosing and troubleshooting a variety of common system errors:

- Controller, I/O, and other hardware problems
- Noise-related problems
- Software configuration problems

RA 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

$2,900
Includes Lunch

REGISTER

To register, contact Suzan McPherson at smcpherson@smcelectric.com by Tuesday, November 10.

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Throughout this course, you will have the opportunity to practice the skills you have learned through a variety of hands-on exercises. Exercises focus on the skills introduced in each lesson and are performed on an ABT-TDCLX3-B ControlLogix workstation.

Integrated practices combine and practice several key skills at once. The basic skills taught in this course apply to all Logix5000 platforms; you can apply what you have learned to the specific platform used in your plant.

This course will award 2.8 CEUs.

Prerequisites

To successfully complete this course, completion of the Studio 5000 Logix Designer Level 1: ControlLogix System Fundamentals course (Course No. CCP146) or equivalent experience is required.

SCHEDULE

DAY 1

- Optional Locating: ControlLogix System Components
- Connecting a Computer to a Network
- Interpreting Project Organization and Execution
- Locating and Editing Tag Values
- Interpreting Frequently Used Instructions

DAY 2

- Interpreting Arrays
- Interpreting Tags of User-Defined Data Types
- Searching for Project Components
- Integrated Practice-Interpreting a Basic Project
- Forcing I/O and Toggling Bits
- Troubleshooting Digital I/O Module Problems

DAY 3

- Troubleshooting Analog I/O Module Problems
- Troubleshooting Remote I/O Problems
- Updating Logix5000 Firmware
- Troubleshooting Controller Problems
- Troubleshooting Power Supply Problems
- Analyzing and Troubleshooting a System Using a Trend Chart

DAY 4

- Integrated Practice-Troubleshooting Basic Projects
- Editing Ladder Logic Online
- Optional: Editing FBDs Online
- Managing Project Files
- Documenting and Printing Project Components
- Troubleshooting Noise-Related Problems