



OUR KNOWLEDGE IS YOUR POWER

AUTOMATION | ELECTRICAL
INDUSTRIAL & SAFETY
FLUID POWER

AUTOMATION

THU. JUN 25 -
FRI. JUN 26
8 AM - 5:00 PM

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

COURSE NUMBER CCP151
CONTROLLOGIX® / STUDIO 5000
LOGIX DESIGNER® LEVEL 2:
BASIC LADDER LOGIC PROGRAMMING

TRAINING EVENT

This course is designed for programmers that have little or no working experience with controllers, are responsible for programming Logix5000 controllers using the Logix Designer application, and need to learn how to draft ladder logic for any application.

After completing this course, you should be able to program basic ladder logic instructions for Logix5000™ controllers. This is a skill-building course that provides you with the resources and hands-on practice required to complete this objective.

You will have an opportunity to use the Studio 5000 Logix Designer® application to perform basic software tasks to meet the requirements of a given functional specification. In addition, you will set up a sequencer to run equipment through a predefined procedure and separate production procedure from equipment control.



**Authorized
Service Provider**

A ROCKWELL AUTOMATION PARTNER

This course will award 1.4 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

\$1,850
Includes Lunch



REGISTER

To register, contact Suzan McPherson at smcpherson@smcelectric.com by Friday, June 5, 2020

Day 1

- Starting a ladder diagram for a Studio 5000 Logix Designer project
- Testing a ladder diagram in a Studio 5000 Logix Designer Project
- Programming timer instructions in a Studio 5000 Logix Designer project
- Programming compare instructions in a Studio 5000 Logix Designer project
- Programming move instructions in a Studio 5000 Logix Designer project
- Programming math instructions in a Studio 5000 Logix Designer project

Day 2

- Programming counter instructions in Studio 5000 Logix Designer project
- Handling Expressions in a Studio 5000 Logix Designer project
- Documenting and searching ladder logic using the Studio 5000 Logix Designer application
- Programming a procedure in a Studio 5000 Logix Designer project
- Separating the procedure from equipment control in Studio 5000 Logix Designer project
- Copying and filling an array in a Studio 5000 Logix Designer project

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