COURSE CCP151

ControlLogix/Studio 5000 Logix Designer Level 2: Basic Ladder Logic Programming

After completing this course, students 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.

PREREQUISITES

To successfully complete this course, completion of the Studio 5000 Logix Designer Level 1: ControlLogix System Fundamentals course (CCP146 or equivalent experience is required.

Thursday, December 5 - Friday, December 6

8 AM - 5 PM

SMC Cape Girardeau
2333 Rusmar St
Cape Girardeau, MO

Cost: $2,162
Includes Lunch

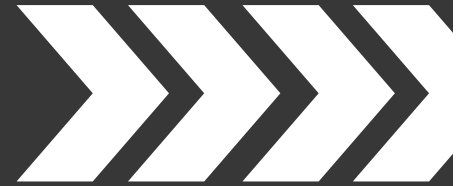To register, please contact Aislinn Roberts at aroberts@smcelectric.com

Course Agenda

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 a Studio 5000 Logix Designer project
- Handling expressions in a Studio 5000 Logix Designer project
- Documenting and searching Ladder Logic using the Studio 5000 Logic 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 and array in Studio 5000 Logix Designer project

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