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AUTOMATION

TUES. NOV. 8 - WED. NOV. 9
8 AM - 5 PM

SMC CAPE GIRARDEAU
2333 RUSMAR ST.
CAPE GIRARDEAU, MO
63703

COURSE NUMBER CCP154

CONTROLLOGIX® / STUDIO 5000 LOGIX DESIGNER® LEVEL 4: STRUCTURED TEXT/ SEQUENTIAL FUNCTION CHART PROGRAMMING

TRAINING EVENT

This course is designed for individuals who need to develop 5000 Logix Designer® projects for any Logix5000 controller. Upon completion of the course, given a functional specification for a Logix5000™ application, you should be able to:

— Select instructions, expressions and constructs and enter these elements into a routine.

— Translate a functional specification into a sequential function chart.

— Test sequential function chart logic using forces and step throughs.

This course covers tasks common to the following hardware, which all use the Logix5000 control engine:

· ControlLogix® controllers
· CompactLogix™ controllers
· SoftLogix™ controllers

RA Authorized Service Provider
A ROCKWELL AUTOMATION PARTNER

This course will build development skills, such as creating tags and programming control code, providing the skills and knowledge to program using the structured text and sequential function chart programming languages.

+ 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

$2,000
Includes Lunch

🗒 REGISTER

To register, contact Tiffany Raines at traines@smcelectric.com by Tuesday, October 18.

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Throughout the course, students will have the opportunity to practice skills they have learned through a variety of hands-on exercises using an ABT-TDCLX3 ControlLogix® workstation. Students will also have he chance to combine and practice several key skills by completing an integrated practice.

PREREQUISITES

- Ability to perform basic Microsoft Windows tasks
- Completion of the Studio 5000 Logix Designer Level3:
- Project Development course (Course No. CCP143)
  OR
- Experience with basic Logix Designer projects
- (navigating the software, creating tags, creating
- routines, etc.)

DAY 1

– Programming Assignments

– Programming Expressions

– Instructions in Structured Text within a Logix Designer Project

– Programming Constructs and Comments in Structured Text within a Logix Designer Project

– Designing a Sequential Function Chart

DAY 2

– Programming a Sequential Function Chart in a Logix Designer Project

– Testing a Sequential Function Chart in a Logix Designer Project

– Storing and Resetting Sequential Function Chart Data in a Logix Designer Project

– Resetting and Pausing a Sequential Function Chart in a Logix Designer Project