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AUTOMATION | ELECTRICAL  
DATA COMM & SECURITY  
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FLUID POWER

## AUTOMATION

TUE. JUN 8 -  
WED. JUN 9  
8 AM - 5 PM

SMC CAPE GIRARDEAU  
2333 RUSMAR ST.  
CAPE GIRARDEAU, MO

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

COURSE NUMBER CCP154

## TRAINING EVENT

This course provides the skills and knowledge to program using the structured text and sequential function chart programming languages, building your project development skills.

You will learn how to select instructions, expressions, and constructs, and then enter these elements, and more, into a routine. You will have an opportunity to translate a functional specification in to a sequential function chart and learn to test sequential function chart logic using forces and step-throughs.

This course is designed for those who are responsible for programming structured text and sequential function chart routines in Studio 5000 Logix Designer® projects for any Logix5000™ controller.



**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

\$1,795  
Includes Lunch

### REGISTER

To register, contact Erica Masterson  
at [emasterson@smcelectric.com](mailto:emasterson@smcelectric.com) by  
May 24, 2021.

# COURSE NUMBER CCP154

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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 the chance to combine and practice several key skills by completing an integrated practice.

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, ability to perform basic Microsoft Windows tasks and completion of the Studio 5000 Logix Designer Level 3: Project Development Course (Course no. CCP154), OR experience with basic Logix Designer projects (navigating the software, creating tags, creating routines, etc.)

## **SCHEDULE**

### **DAY 1**

- Programming Assignments, Expressions and 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