

**Overview:**

This course (CCP154-EL) provides the skills and knowledge to program using the structured text and sequential function chart programming languages in Studio 5000 Logix Designer®. 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 into a sequential function chart. Also, you will learn how to test sequential function chart logic using forces and step throughs.

**Objectives:**

- 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
- 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

**Who Should Attend:**

Individuals who are responsible for programming structured text and sequential function chart routines in Studio 5000 Logix Designer® projects for any Logix 5000™ controller should attend this course.

**Prerequisites:**

To successfully complete this course, the following prerequisites are required:

- Completion of the Studio 5000 Logix Designer Level 3: Project Development course (Course No. CCP143)
- Experience with basic Logix Designer projects (navigating the software, creating tags, creating routines, etc.)