

Overview:

This course (SAF-LOG104-EL) provides you with the ability to create a Studio 5000 Logix Designer® project for a GuardLogix® system and troubleshoot a previously operational GuardLogix system. In this class, you will learn GuardLogix concepts and terminology and will be shown how to:

- Add and configure CompactBlock™ Guard I/O™ and POINT Guard I/O™ safety modules
- Generate Safety Signatures and locking/unlocking a GuardLogix controller
- Program safety instructions
- Troubleshoot controller and safety module issues

Objectives:

- Identifying GuardLogix Controller Functionality and System Hardware Components
- Configuring GuardLogix Controller Properties and Safety Options
- Configuring Guard I/O Safety Modules
- Downloading and Uploading a GuardLogix Project
- Producing and Consuming GuardLogix Safety Data Over an EtherNet/IP Network and Mapping Safety Tags
- Programming a Dual Channel Input Stop Instruction
- Programming a Dual Channel Input Stop with Test and Mute Instruction
- Programming Sensor Muting Instructions
- Programming a Configurable Redundant Output Instruction
- Programming a Five Position Mode Selector Instruction
- Programming a Safety Mat Instruction
- Troubleshooting GuardLogix Controller Problems
- Troubleshooting and Replacing Guard I/O Safety Modules

Who Should Attend:

Individuals who need to create, monitor, and troubleshoot Studio 5000 Logix Designer projects and hardware for GuardLogix systems should attend this course.

Prerequisites:

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

- Studio 5000 Logix Designer Level 3: Project Development (Course Number CCP143)
- OR
- Accelerated Logix 5000 Programmer Certificate Course Level 1 (Course Number CCP250)