

# GuardLogix®/Studio 5000™

## GuardLogix Application Development Course Description

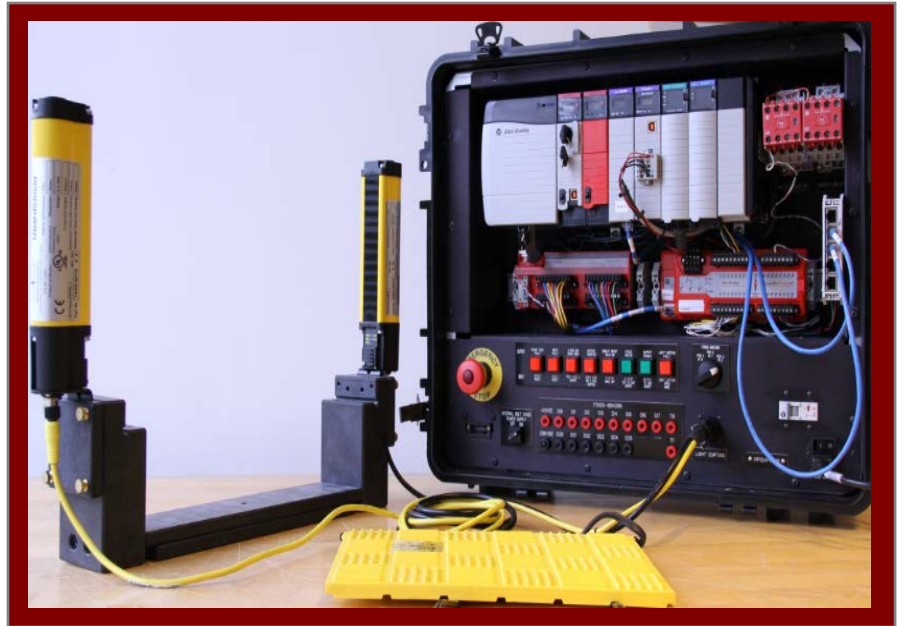
### COURSE AGENDA

#### Day 1

- Creating a New GuardLogix Project Using the Logix Designer Application
- Configuring CompactBlock Guard I/O Safety Modules for a GuardLogix Project Using the Logix Designer Application
- Configuring a GuardLogix Controller to Produce/Consume Safety Data over an EtherNet/IP Network
- Getting CompactBlock Guard I/O Point Status Information Via Explicit Messaging Using the Logix Designer Application
- Configuring GuardLogix Controller Safety Options

#### Day 2

- Programming a Dual-Channel Input Stop Instruction
- Programming a Dual-Channel Input Stop with Test and Mute Instruction
- Programming a Configurable Redundant Output Instruction
- Programming a Five Position Mode Selector Instruction
- Programming a Safety Mat Instruction



### COURSE NUMBER: SAF-LOG101

#### Course Purpose

Upon completion of this course, you will be able to create a Logix Designer project for a GuardLogix system. You will have the opportunity to develop and practice these skills by:

- Creating and configuring a GuardLogix project:
  - Configuring controller properties
  - Configuring a safety task
  - Configuring produce/consume safety tags to share data over an EtherNet/IP network
- Adding and configuring CompactBlock Guard I/O safety modules:
  - Configuring safety I/O data and status information that is displayed in the controller tags
  - Configuring input points and delay times
  - Configuring specific operation of safety and test outputs
- Generating Safety Signatures and locking/unlocking a GuardLogix controller
- Programming safety instructions

#### Who Should Attend

This course is intended for individuals who need to develop Logix Designer projects for GuardLogix controllers.

### ***Prerequisites***

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

- Ability to perform basic Microsoft® Windows® tasks
- Completion of the *Studio 5000 Logix Designer Level 3: Project Development* course (Course No. CCP143) and the *GuardLogix Fundamentals and Troubleshooting* (Course No. SAF-LOG103) course
- General experience with industrial controls

### ***Technology Requirements***

All technology is provided for student use in the classroom by Rockwell Automation. It is not necessary for students to bring any technology with them when attending this course.

### ***Student Materials***

To enhance and facilitate your learning experience, the following materials are provided as part of the course package:

- *Student Manual:*
  - Contains the topical outlines and exercises
  - Used to follow presentations, take notes, and work through exercises
- *GuardLogix Documentation Reference Guide:*
  - Searchable, electronic resource
  - Contains frequently referenced technical documentation

### ***Hands-On Practice***

Throughout the course, you will have the opportunity to practice skills you have learned through a variety of hands-on exercises:

- Exercises focus on the skills introduced in each lesson.
- Exercises are performed on a GuardLogix workstation.

### ***Course Length***

This is a two-day course.

### ***Course Number***

The course number is SAF-LOG101.



### ***IACET CEUs***

CEUs Awarded: 1.4

### ***To Register***

To register for this or any other Rockwell Automation training course, contact your local authorized Allen-Bradley Distributor or your local Sales/Support office for a complete listing of courses, descriptions, prices, and schedules.

You can also access course information via the Web at <http://www.rockwellautomation.com/training>

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