

GuardLogix™ Controllers

GuardLogix™ Maintenance and Troubleshooting Course Description

COURSE AGENDA

Day 1

- Understanding GuardLogix Controller Safety Operation
- Identifying GuardLogix Project Components
- Identifying GuardLogix Safety Signatures and Safety Lock/Unlock States
- Identifying I/O Tags in a GuardLogix System
- Monitoring GuardLogix Tag Values

Day 2

- Searching and Printing GuardLogix Project Components
- Troubleshooting and Replacing GuardLogix System Components
- Troubleshooting and Replacing GuardLogix CompactBlock Guard I/O Safety Modules
- Interpreting Safety Instructions in a GuardLogix Project



COURSE NUMBER: SAF-LOG102

Course Purpose

Upon completion of this course, you will be able to efficiently troubleshoot a previously operational GuardLogix system. You will have the opportunity to develop and practice these skills by:

- Learning safety principles of a GuardLogix system:
 - Safety Integrity Levels (SIL)
 - Category machine safety ratings
- Learning basic concepts and terminology used with:
 - GuardLogix system hardware
 - RSLogix 5000 software
- Troubleshooting a GuardLogix project:
 - Monitoring tag values
 - Identifying I/O tags
 - Searching and printing GuardLogix project components
 - Interpreting safety instructions
 - Replacing and configuring GuardLogix system components
 - Replacing and configuring CompactBlock Guard I/O safety modules

Who Should Attend

This course is intended for individuals who need to monitor and troubleshoot RSLogix 5000 projects and hardware for GuardLogix controllers.

Prerequisites

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

- Ability to perform basic Microsoft® Windows® tasks
- Completion of the *RSLogix 5000 Level 1: ControlLogix® System Fundamentals* course (Course No. CCP146) or equivalent experience with RSLogix 5000 software
- 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*, which contains the key concepts, definitions, and examples presented in the course and includes the hands-on exercises.
- *GuardLogix Documentation Reference Guide*, which contains several relevant technical publications. This searchable, electronic resource contains the most frequently referenced hardware and software information and is a quick and efficient on-the-job resource. Wiring diagrams of the GuardLogix controller and CompactBlock Guard I/O safety modules are also included.

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-LOG102.



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>

www.rockwellautomation.com

Power, Control and Information Solutions

Americas: Rockwell Automation, 1201 South Second Street, Milwaukee, WI 53204-2496 USA, Tel: (1) 414.382.2000, Fax: (1) 414.382.4444

Europe/Middle East/Africa: Rockwell Automation SA/NV, Vorstlaan/Boulevard du Souverain 36, 1170 Brussels, Belgium, Tel: (32) 2 663 0600, Fax: (32) 2 663 0640

Asia Pacific: Rockwell Automation, Level 14, Core F, Cyberport 3, 100 Cyberport Road, Hong Kong, Tel: (852) 2887 4788, Fax: (852) 2508 1846