

GuardLogix® Controllers

GuardLogix Fundamentals and Troubleshooting Course Description

COURSE AGENDA

Day 1

- Understanding GuardLogix Controller Safety Operation
- Identifying GuardLogix System Hardware Components
- Identifying GuardLogix Project Components
- Downloading and Uploading a GuardLogix Project
- Troubleshooting GuardLogix Controller Components
- Troubleshooting and Replacing GuardLogix CompactBlock Guard I/O Safety Modules



COURSE NUMBER: SAF-LOG103

Course Purpose

This course will assist you in developing and building a solid foundation with a fundamental knowledge of a GuardLogix system. Upon completion of this course, you should be able to efficiently troubleshoot a previously operational GuardLogix system.

You will have the opportunity to develop and practice these skills by:

- Learning basic GuardLogix concepts and terminology used with:
 - Controller functionality and circuitry
 - System hardware
 - RSLogix 5000 software
- Troubleshooting a GuardLogix project:
 - Troubleshooting GuardLogix controller components
 - Troubleshooting and Replacing GuardLogix CompactBlock Guard I/O safety modules
 - Monitoring safety tag values

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) and *RSLogix Level 3: ControlLogix Maintenance and Troubleshooting* course (Course No. CCP153) 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 one-day course.

Course Number

The course number is SAF-LOG103.



IACET CEUs

CEUs Awarded: 0.7

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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