

## Course Agenda

- Understand and apply fundamental concepts and methods related to the fields of information technology and security.
- Align overall organizational operational goals with security functions and implementations
- Protecting assets
- Application of security design principals
- Application of appropriate security control mitigations for vulnerabilities present
- Cryptography and the security services
- Concepts and architecture that define the associated technology and implementation systems and protocols at the Open Systems Interconnection (OSI) layers
- System Lifecycle (SLC)
- Software Development Lifecycle (SDLC)
- Implementing security in modern frameworks



## Course Number

CBS-IIOT

## Course Purpose

After completing this course, you should be able to get a comprehensive overview of cybersecurity and related technologies, with hands-on practice as the attacker and the defender.

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

- Learning basic concepts and terminology used with:
  - Open Systems Interconnection (OSI) model layers 1–7
  - System Lifecycle (SLC)
  - Software Development Lifecycle (SDLC)
- Practicing a systematic strategy for implementing:
  - IACS security program
  - Cryptography security services
- Performing hands-on exercises

## Who Should Attend

This course is suitable for Executives, Managers, Project Leads and Architects.

## Prerequisites

To successfully complete this course, the following prerequisite is required:

- Keen interest in cybersecurity
- Either hacker or developer background helpful

### Technology Requirements

We would require good internet connection to connect to remote labs. The students must connect to the labs using their laptops.

### Student Materials

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

### Hands-On Practice

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

### Course Length

This is a two-day virtual-instructor-led course.

### 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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