

Lead SCADA Security Manager Course

Course Duration: 40 Hrs.

Course Code: LS-SCADASM

Course Overview

The Lead SCADA Security Manager Course provides participants with in-depth knowledge and skills to implement, manage, and improve security measures in Supervisory Control and Data Acquisition (SCADA) systems. It focuses on understanding SCADA environments, identifying potential threats and vulnerabilities, and applying industry best practices to ensure the resilience and security of critical industrial infrastructures.

What you'll learn?

Participants will learn how to develop and implement SCADA security policies, assess risks, and design effective defense strategies to protect SCADA systems from cyber and physical threats. They will gain expertise in applying security frameworks, incident response, and compliance requirements relevant to industrial control systems.

Target Audience

This course is designed for SCADA system administrators, IT and OT security professionals, control system engineers, compliance officers, risk managers, and individuals responsible for securing industrial control and critical infrastructure environments.

Pre-Requisites

Participants should have a basic understanding of IT/OT security concepts, industrial control systems, and networking fundamentals. Prior experience in SCADA environments or cybersecurity is recommended but not mandatory.

Course Content

Module 1: Introduction to SCADA systems and industrial control environments

Module 2: Security challenges, risks, and vulnerabilities in SCADA systems

Module 3: Standards, regulations, and compliance frameworks for SCADA security

Module 4: Risk assessment and security management processes

Module 5: Developing and implementing SCADA security policies and controls

Module 6: Cybersecurity technologies, tools, and best practices for SCADA

Module 7: Incident detection, response, and recovery in SCADA systems

Module 8: Business continuity, disaster recovery, and resilience planning

Module 9: Case studies and practical applications in industrial sectors

