

OT Bootcamp

High Level Summary

Total Modules: 7

Total Topics: 28

Module 1: Fundamentals of OT

- Topic 1.1. OT Environment Introduction
- Topic 1.2. ICS Processes, Roles, and Responsibilities
- Topic 1.3. ICS Components & Architecture
- Topic 1.4. Securing OT

Module 2: Risk Management

- Topic 2.1. Defining Cyber Risk and Mitigation
- Topic 2.2. Mapping Vulnerabilities and Threats
- Topic 2.3. Planning a Cyber Risk Management Program
- Topic 2.4. Implementing Cyber Risk Mitigation

Module 3: Supply Chain Security

- Topic 3.1. Supply Chain Security Overview
- Topic 3.2. Real World Examples
- Topic 3.3. Supply Chain Risks
- Topic 3.4. BOMS, SBOMS, and HOMS

Module 4: New & Emerging Operational Technology (Smart Automation/Manufacturing Capabilities)

- Topic 4.1: Artificial Intelligence in OT
- Topic 4.2: Blockchain in OT
- Topic 4.3: Robotics in OT

Module 5: Design and Upgrades of Smart Manufacturing Systems and Processes

- Topic 5.1: Modernizing Legacy Systems in OT Environments
- Topic 5.2: Secure by Design
- Topic 5.3: Cyber-Informed Engineering

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Module 6: Defending OT Systems

Topic 6.1: Defending OT Systems Primer

Topic 6.2: Physical Security Systems

Topic 6.3: Network Security

Topic 6.4: Hardware security

Topic 6.5: Software security

Module 7: Forensics & Recovery

Topic 7.1: Intrusion Detection

Topic 7.2: Responding to Breaches

Topic 7.3: Threat Hunting

Topic 7.4: Forensics

Topic 7.5: Recovery