

## ICS Blue-Team Training Course Description

The Kenexis ICS Blue-Team Training course has been designed as a week-long (approximately 4.5-5 days) class for operations technology (OT) professionals involved in securing and protecting industrial control systems (ICS). The course presents many of the topics that organizations will have to consider as they design and operate OT systems.

### Course Outline

#### Day 1 – Fundamentals

- What is ICS?
- Types of Control Systems
- Types of Processes
- Levels & Zones
- Priorities (IT vs. OT/ICS)
- Standards & Regulations
- Basics of ICS Networks
- Testing
- Hardware Types
- Software Types

#### Day 2-3 – Design

- Segmentation
- Safety & Safety-Related Systems
- Business Integration
- Configuration & Change Management
- Patch Management
- Remote Access/Maintenance
- Third-Party/Vendor Support
- Monitoring/Logging
- Virtualization
- Access Control
- Wireless
- Backup & Recovery
- Physical Environment
- Test System

#### Day 4 – Risk Assessment

- Risk Matrix & Risk Tolerance
- Vulnerabilities & Consequences
- Threat Intelligence
- Cyber Vulnerability Assessment
- Penetration Testing
- Assessment Tools
- Interpreting the Data
- PSM/PHA/HAZOP
- Security PHA Review

#### Day 5 – Operations

- Auditing & Logging
- SIEM
- IDS/IPS
- Anomalies & Events
- Incident Response
- Disaster Recovery
- Business Continuity

Course can be taught on your site or at our locations in Columbus, Ohio or Houston, Texas.

Contact Kenexis at [Info@Kenexis.com](mailto:Info@Kenexis.com) for more information.

