CYBERSECURITY: FUNDAMENTALS – INDUSTRIAL CONTROL SYSTEMS (ICS) CYBERSECURITY AWARENESS

COURSE OVERVIEW

Course number: HCCA-OT1001
Course duration: 1 day

Prerequisite courses: none

This course offers an introduction to cybersecurity challenges facing process plants and critical infrastructure. The students will learn the concepts of the current cybersecurity landscape, the importance of securing control systems from cyber-attacks and concepts for implementing mitigation strategies.

The course is intended for cybersecurity managers, plant managers and asset owners, engineers and IT cybersecurity staff tasked with OT cybersecurity, plant operators and administrators, and anyone responsible for IT/OT cybersecurity.

COURSE DELIVERY OPTIONS

- Asynchronous Training (AT)
  - ➢ Self-paced with 10 days to complete
- Instructor-Led Training (ILT)
- Virtual instructor-Led Training (VILT)

COURSE OBJECTIVES

- Understand security policies and standards
- Segregate networks by reviewing network topology from defense-in-depth approach
- Learn risk management concepts:
  - o Identify and classify assets to protect
  - o Identify and understand threats
  - o Apply industrial standards for the design of countermeasures/controls
  - o Mitigate risks via anti-virus and Microsoft security patch update management
- Understand the need for security assessment as part of the cybersecurity defense ecosystem
- Evaluate solutions from certified and qualified products, matching security design of the products with organization's cybersecurity and functional requirements

Honeywell