

ESSENTIALS

1
DAY

Introductory course targeted at plant managers and control system and/or industrial IT engineers, designed to provide awareness of the current industrial cyber security threat landscape.

YOU WILL LEARN

- Understand the technical underpinnings & challenges of industrial control system (ICS) security.
- In-depth analysis of notable recent industrial cyber security incidents.
- Become aware of the threats and vulnerabilities inherent in ICS architectures.
- Gain an insight into what a cyber security program entails to combat emerging threats.
- How to establish and implement an effective security governance structure.
- The best approach to cyber security risk assessment that meets organisational goals and risk appetite.

DESIGN & BUILD

3
DAYS

Intermediate-level course designed to equip industrial cyber security specialists with the knowledge and tools to design and build a pragmatic ICS cyber security program.

YOU WILL LEARN

- How to design and build effective ICS security technical and operational controls across all levels of ISA/IEC 62443 using proven methodologies for security architecture development.
- Take part in offensive and defensive attack scenarios on control system assets, including supervisory systems, EWS, controllers, and industrial IT networks.
- Understand how to design test plans and perform vulnerability assessments on ICS assets using the latest tools.
- How to apply all industry-leading standards for ICS: ISA/IEC 62443, ISO 27019, SABSA, NIST, DHS.

SPECIALIST

4
DAYS

SIS' most comprehensive course, covering all facets of industrial cyber security (4 days), including optional assessment to become a Certified Industrial Cyber Security Specialist (CICSS) (5 days).

YOU WILL LEARN

- Important networking concepts and understand common industrial protocols, including Fieldbus (Modbus, & DNP3), and Backend (OPC) security weaknesses & mitigations.
- How to apply & implement controls based on industrial cyber security catalogues, standards and best practices.
- How offensive attacks on protocol functions and control modules happen using security testing tools.
- Obtain technical training on vulnerability management techniques (testing / incident management / forensics).
- The latest security technology advancements and implications for industrial environments.

Our instructors come to your plant for on-site classroom sessions, tailored for your needs

Takeaway a comprehensive handbook with detailed module analysis, for all courses

A Certificate of Attendance will be issued for all courses

Become a Certified Industrial Cyber Security Specialist (CICSS)



Enquiries: registration@siconsulting.com.au

INDUSTRIAL CYBER SECURITY TRAINING