



Industrial Cybersecurity Professional (ICP) Career Path based on ISA/IEC 62443 standard

Master Industrial Cybersecurity.
Lead Secure Digital
Transformation.

**Add value.
Inspire trust.**



Certified Industrial Cybersecurity Professional (ICP) Career Path based on ISA/IEC 62443 standard

The **Certified Industrial Cybersecurity Professional (ICP) Career Path** is a structured learning journey designed for professionals who want to build end-to-end expertise in securing **Industrial Automation and Control Systems (IACS)** and **Operational Technology (OT)** environments.

Based on the **IEC 62443** series of standards, the program combines foundational knowledge with advanced practitioner training across industrial cybersecurity domains. Participants progressively develop competencies in OT security, secure system design, cybersecurity operations, risk assessment, and asset owner responsibilities, preparing them to protect critical infrastructure and support secure digital transformation initiatives.



Career Path Outline

Your Industrial Cybersecurity Learning Journey



Built for Professionals Responsible for Securing Industrial Operations

- OT Security Engineers
- Industrial Cybersecurity Specialists
- ICS / SCADA Engineers
- Automation & Instrumentation Engineers
- Control System Engineers
- Plant Managers
- Manufacturing Technology Professionals
- Reliability & Maintenance Engineers
- Network & Infrastructure Engineers
- IT Security Professionals transitioning into OT Security
- Cybersecurity Consultants
- Risk & Compliance Professionals
- Critical Infrastructure Security Personnel
- Digital Transformation Leaders
- Industrial System Integrators
- OT Architects & Security Architects
- Technical Managers & Engineering Leader



Industrial Cybersecurity Foundation Practitioner (ICFP) based on ISA/IEC 62443 standard

- Build a strong understanding of industrial cybersecurity concepts, OT environments, and the IEC 62443 framework.



Industrial Cybersecurity Secure Design Practitioner (ICDP) based on ISA/IEC 62443 standard

- Learn to design secure Industrial Automation and Control Systems using secure-by-design principles.



Industrial Cybersecurity Operations Practitioner (ICOP) based on ISA/IEC 62443 standard

- Develop skills to monitor, operate, maintain, and respond to cybersecurity events across industrial environments.



Industrial Cybersecurity Risk Practitioner (ICRP) based on ISA/IEC 62443 standard

- Perform structured cybersecurity risk assessments and determine appropriate risk treatment strategies.



Industrial Cybersecurity Asset Owner Practitioner (ICAP) based on ISA/IEC 62443 standard

- Understand governance, cybersecurity management, and asset owner responsibilities for industrial systems.

Key Learning Areas

Build Expertise Across the Entire OT Cybersecurity Lifecycle

- **Structured Career Progression**
Develop expertise from foundational concepts to advanced industrial cybersecurity practices.
- **Comprehensive OT Security Skills**
Gain knowledge spanning secure design, operations, risk management, and governance.
- **IEC 62443 Alignment**
Build competencies aligned with globally recognized industrial cybersecurity standards.
- **Protect Critical Infrastructure**
Strengthen your ability to secure ICS, SCADA, DCS, and IIoT environments.
- **Practical Risk Management**
Learn to conduct OT risk assessments and cybersecurity reviews.
- **Industry-Recognized Credential**
Validate your expertise with the ICP Qualifier Examination and certification

A Complete Career Path for Industrial Cybersecurity Professionals

The ICP Career Path provides a structured and progressive approach to mastering industrial cybersecurity. Covering the complete cybersecurity lifecycle—from foundational concepts and secure system design to operations, risk management, and asset owner responsibilities—it equips professionals with the practical knowledge and skills needed to safeguard critical infrastructure and support secure industrial digital transformation.



Scan the QR code to enroll to
our Industrial Cybersecurity
Professional (ICP) Career Path
Training

Thank you



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