

# SCCISP FOUNDATION



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## Smart Cities and Critical Infrastructure Professional (SCCISP)

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- The **SCCISP Foundation Certification** is an IoT Security Institute Curriculum which provides a certification course offering professional recognition, and an industry recognised credentialed career pathway for Cyber and Privacy professionals working within the IoT- IIoT Smart Cities and Critical Infrastructure sectors.
  - Earning the SCCISP Foundation proves you have the necessary skills to securely design, implement and manage IoT- IIoT Smart Cities and Critical Infrastructure Eco-Systems.
  - The SCCISP prepares IT/OT and privacy professionals with the necessary skills to address "smart world" cyber and privacy challenges.
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## AN INDUSTRY DRIVEN CYBER CERTIFICATION PROGRAM

The SCCISP certification has been developed for the next generation of Cyber and Privacy Professional.

Our research indicates, and feedback received from Government and Corporate sectors reinforces the growing demand for cyber professionals who can securely design, deploy and manage smart technology eco-systems and converged infrastructure.

Individuals who can work at the Smart City and Industry 4.0 level are in increasing demand and highly sort after.

The shortage of such qualified professionals is reflected in the increased salaries offered for suitably qualified "Smart Cyber" professionals.

This demand is set to increase considerably and consistently in the near future. How are your cyber skills placed within this emerging sector?



## HOW THE COURSE IS STRUCTURED

The SCCISP Foundation course provides a module-based approach to course delivery and content learning.

In addition, critical to the delivery of the SCCISP Foundation courseware is the inclusion of the **Smart Cities and Critical Infrastructure Framework** as an assessment module.

Unlike other certification programs, the SCCISP integrates the global released IoT Security Institute Framework into its training modules.

This allows SCCISP students to learn the methodologies and processes in deploying IoT security controls and processes whilst utilising an industry recognised framework.

This academic and deployment-based methodology provides security professionals with the necessary training and tools to deploy security and privacy best practices by design, at all stages and levels of an IoT Eco -System.

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### The SCCISP Foundation consists of 12 Study Domains



<b>Module 1</b> Introduction to IOT Systems and Technologies	<b>Module 2</b> IOT Security Engineering	<b>Module 3</b> Industry 4.0
<b>Module 4</b> Resilience in a Connected World	<b>Module 5</b> Privacy and Data Protection	<b>Module 6</b> Industrial Control Systems
<b>Module 7</b> Security Architecture	<b>Module 8</b> IOT Security Pentesting	<b>Module 9</b> Physical Security
<b>Module 10</b> Cyber Warfare and Terrorsim	<b>Module 11</b> Hacking IOT/IIOT	<b>Module 12</b> Smart Cities By Design

## WHAT WILL I GAIN FROM THE COURSE?

This Industry based approach to cyber and privacy IoT challenges ensures employers and industry professionals that SCCISP certified professionals have the broad range of skills, both practical and academic that extend beyond traditional security certification.

These skills incorporate the unique challenges facing IoT security service delivery and enablement. Cities, Buildings and Communities are working spaces, information portals and community information exchanges that require appropriate security controls to meet their future potential.

The SCCISP professional is trained to deliver these complex security skillsets. To achieve this, the SCCISP requires training not simply in Cyber or Privacy controls, but requires the necessary skills to articulate these controls and their importance throughout the design and build process. Maintaining channels of communication between a new set of stakeholders and industry professionals.



These include; building occupiers, facilities managers, engineers, designers and urban planners. Engaging these professionals in a collaborative manner ensuring cyber security and privacy challenges affecting building and smart city environments are managed in a "by design" manner.

**The SCCISP certification extends traditional security training to address these smart world eco -system security and privacy challenges.**

More information available at [SCCISPCAMPUS.COM](https://www.sccispcampus.com)

## GET SCCISP CERTIFIED TODAY!

To be eligible for the SCCISP certification candidates shall abide by the following requirements and code of ethics:

- Have a minimum of 5 years' experience within the cyber and/or privacy and data protection industries
- Promote a best practice methodology with regard to cyber security and privacy management
- Share knowledge with those inside and outside of the cyber and privacy community
- Strive to advance information on cyber security and privacy personally and professional
- Avoid compromising the reputation and standing of the cyber and privacy security sector
- Protect IT assets, systems, networks and privacy to the highest professional ethical standards
- Advocate adherence to all IoTSI Framework practices and guidelines
- Refrain from intentionally maligning or damaging the reputation of peers, colleagues or employers
- Use sound and informed judgment when dealing with sensitive personally identifiable information (PII), Privacy Act data.

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## WHO SHOULD ATTEND?

Typical roles that this course would apply to include:

- Information Security Specialists,
- Cyber Architects and Consultants
- IT, Cyber and Corporate Security Managers
- Information Risk and Compliance Managers
- Internal and External Auditors
- Telecom and Mobile Planners

Professionals who have the requisite experience and knowledge and who wish to develop an interest in Smart Cities and Critical Infrastructure from a security perspective.



## HOW TO ENROLL

Visit [SCCISPCAMPUS.COM](https://SCCISPCAMPUS.COM) full course descriptions, instructor biographies, and enrolment information.

This course has been developed by the IOT SI - with input and review by the industry professionals. The training material and approach have been developed by the world's leading experts in IOT/IIOT.

Certification is awarded by the IOTSI