

DIPLOMA IN CYBERSECURITY WITH ARTIFICIAL INTELLIGENCE

9 MONTHS
On-Campus Education
+
6 MONTHS
Industrial Attachment

Students are introduced to both the theoretical underpinnings of cybersecurity and the operational competencies required in real-world security roles. The curriculum is designed to develop critical thinking alongside technical proficiency

Students learn how to assess vulnerabilities, implement security controls, investigate incidents, and communicate security findings effectively. The programme also develops professional awareness of governance, risk, and compliance responsibilities that underpin effective security practice in organisational contexts.

- ✓ **MONTHLY INTAKE**
- ✓ **INDUSTRY-ALIGNED TRAINING**
- ✓ **PREPARE ONE FOR COMPTIA SECURITY+ EXAM**



LEARNING OUTCOMES



AI-POWERED THREAT ANALYSIS

Master core cybersecurity principles and AI fundamentals, and apply AI/ML models for threat detection, anomaly analysis, and attack prediction.



SECURITY TOOL DEPLOYMENT & OPERATION

Independently deploy and operate mainstream security tools (SIEM, SOC, cloud security solutions) to conduct security operations, incident response, and vulnerability mitigation.



AI-DRIVEN DEFENSE SYSTEM IMPLEMENTATION

Design and implement AI-driven cybersecurity defense systems in line with compliance and ethical standards to support business security goals.

Modules

- Cybersecurity Fundamentals & Threat Landscape
- Networking & Infrastructure Security
- Operating Systems & Endpoint Security
- AI Fundamentals & Applications in Cybersecurity
- Security Operations & Incident Response
- Ethical Hacking Fundamentals
- Governance, Risk & Compliance
- Capstone — Applied Security Project
- Industrial Attachment ^^

^^Students who have already completed an Industrial Attachment in a similar field in Singapore will undertake a project instead to meet award requirements. Availability of Internship is subject to market conditions, student's performance as well as approval of Training Work Permit from Ministry of Manpower.

Class Schedule ^

- 9:00am – 12:00pm or *Monday – Friday*
- 12:00pm – 3:00pm or *(excludes Public Holidays)*
- 3:00pm – 6:00pm *^Subject to change.*

Potential Career

- Pursue entry level
- Junior roles across cybersecurity operations
- IT security
- AI-assisted security functions
- Security Operation Center (SOC) AnalystR
- Penetration Testing Specialist
- Cloud Security Engineer
- Data Security & Compliance Consultant

Entry Requirements

Academic	English Proficiency	Age
• Completed Year 12/1 Pass in GCE A Level/International Advanced Level or equivalent Mature Candidates: At least 30 years old on course commencement with 8 years of working experience may apply	• IELTS 5.5 or equivalent (Students without formal English qualifications will be given a placement test to determine their level of proficiency.)	• At least 17 years old on commencement of course



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SSTC Institute is a Strategic Alliance Partner* of China International Education Group (CIEG), which has over 40+ institutions across China, Singapore, Japan, Georgia and beyond. The group delivers a diverse, reliable learning pathways for every student's aspirations – from early childhood to university, domestic to global.

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CONTACT US

- 1 SELEGIE ROAD #06-01, GR.ID BUILDING, S188306
- +65 6235 5685
- INFO@SSTC.EDU.SG
- +65 8185 1997
- WWW.SSTC.EDU.SG

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