



5-DAYS

Advanced IT Security and Cybersecurity



Course Code: TGS-2024046015 (SCTP)
TGS-2025060535 (Non-SCTP)

@ASK Training is a Private Education Institution (PEI) accredited by the Ministry of Education (MOE) and also a Continuing Education and Training Centre (CETC) accredited by SkillsFuture Singapore (SSG), offering a diverse range of courses from Infocomm Technology (ICT) to Digital Marketing, with up to **90% funding**.

LEARNING OUTCOMES

- Analyse both the basic elements and broader aspects of information security and cybersecurity.
- Analyse security control, access control, authentication methods and factors to identify and assess their effectiveness.
- Discuss key frameworks employed in security, analyse security policies, regulations, standards, and applicable legislation to ensure compliance and robust protection measures.
- Analyse the enterprise security architecture.
- Analyse the virtualisation and cloud security.
- Analyse various threat vectors and the corresponding intelligence and research sources to differentiate and understand their implications.
- Analyse various security concerns associated with vulnerabilities.
- Evaluate the types of attacks associated with social engineering.
- Analyse and contrast the different types of potential indicators to determine the type of attack methods.
- Investigate threat hunting practices and vulnerability scans to comprehensively analyse their details and implications.
- Analyse and examine penetrating testing concepts.
- Describe essential terminology, ethical hacking principles, and hacker classifications to understand the ethical hacking landscape.
- Examine the five stages of ethical hacking and the terminology of the Cyber Kill Chain methodology.

COURSE OUTLINE



Learning Unit 1: Cyber Security Concepts



Learning Unit 2: Architecture & Design



Learning Unit 3: Threats, Attacks & Vulnerabilities



Learning Unit 4: Cyber Security Attack Indicators



Learning Unit 5: Security Assessments & Penetration Testing

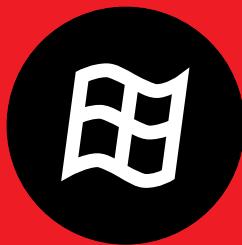


Written Assessments

- Candidates are to answer all questions and receive a minimum grade of 50% and above (out of 100%) to demonstrate competencies in Learning Units (LU) 1 to 5.

- Candidates are to provide an analysis of the security assessment and penetration testing and receive a minimum grade of 50% and above (out of 100%) to demonstrate competencies in Learning Units (LU) 1 to 5.

IT-TOOLS COVERED



Windows Server 2022 with Hyper V

- Kali Box
- Windows 10/11
- Windows Server 2012
- VMWare Workstation Player

COURSE FEES & FUNDING

 Self-Sponsored	Course Fee before Subsidy and GST	Eligible Funding	Nett Fees Payable incl. 9% GST
Singapore Citizens 40 years old and above		90% SkillsFuture Funding	S\$241.30
Singaporean Citizens, PRs or LTVP+ Holders ≥ 21 years old	S\$1,900.00	70% SkillsFuture Funding	S\$621.30
 Company-Sponsored	Course Fee before Subsidy and GST	Eligible Funding	Nett Fees Payable incl. 9% GST
Small-to-Medium Enterprise (SME) Singaporean Citizens, PRs or LTVP+ Holders ≥ 21 years old		90% SkillsFuture Funding	S\$241.30
Non-SME Singaporean Citizens, PRs or LTVP+ Holders ≥ 21 years old	S\$1,900.00	70% SkillsFuture Funding	S\$621.30
Non-SME Singapore Citizens 40 years old and above		90% SkillsFuture Funding	S\$241.30

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