



**@ASK Training**  
Attitude | Skills | Knowledge



**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

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- 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**

**S\$1,900.00**

**90%** SkillsFuture  
Funding

**S\$241.30**

Singaporean Citizens,  
PRs or LTVP+ Holders  
**≥ 21 years old**

**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**

**S\$1,900.00**

**90%** SkillsFuture  
Funding

**S\$241.30**

**Non-SME**  
Singaporean Citizens,  
PRs or LTVP+ Holders  
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**Non-SME  
Singapore Citizens**  
40 years old and above

**90%** SkillsFuture  
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**S\$241.30**



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