



**NANYANG
TECHNOLOGICAL
UNIVERSITY**
SINGAPORE

College of Professional and
Continuing Education

Specialist Certificate

in Cyber Security



SPECIALIST CERTIFICATES

Specialist certificates enable working adults to update their knowledge and upgrade their skills required in key growth sectors to keep pace with the fast-changing economy. Each specialist certificate comprises of modules which are taken from the Undergraduate Full Degree Programme in key growth sectors including cyber security. These modular courses can also be taken individually and each course lasts for one semester of 13 weeks.

Each course is credit bearing and can be stackable to the relevant degree. There will be continuous assessments during course period and a final exam at the end of the course which contribute to a final grade. The maximum candidature period for earning a Specialist Certificate is 3 years from the first enrolled Specialist Certificate course under the specific certificate. A certificate will be awarded to the successful participants upon completion of courses.

Specialist Certificate in CYBER SECURITY

LEARNING OBJECTIVES

- Identify security mechanisms in modern computer systems, its role, and its importance.
- Evaluate security management strategies, methods and requirements – systems, models and frameworks.
- Identify the data stored and retained in digital systems and the methods to retrieve and use such data for evidence collection.
- Evaluate and design security solutions to counter security threats in real-world systems.

PROGRAMME STRUCTURE

This Specialist Certificate comprises of the following 4 modules (*Modules can be taken individually*):

1. [CE/CZ4062 Computer Security \(System Security\)](#)
2. [CE/CZ4064 Security Management](#)
3. [CE/CZ4065 Digital Forensics](#)
4. [CE/CZ4024 Cryptography and Network Security](#)

ADMISSION CRITERIA

- At least 21 years of age
- Have 2 years of full-time work experience, or have fully discharged full-time NS liability, or are currently employed on a full-time basis
- Degree in Engineering/Science or Polytechnic Diploma with relevant working experience
- Selective module(s) require relevant prerequisite modules or can be substituted with relevant work/industry experience

WHO SHOULD ATTEND

- Information Security Officer(s)/Consultant(s), Security Administrator(s) and Engineer(s) from the infocommunications security sector

FEES AND SUBSIDIES

- Total course fee of around S\$11,100 before any applicable subsidy
- MOE Skills-based Modular fee subsidy
- Additional 60% fee subsidy under SkillsFuture Mid-Career Enhanced Subsidy (MCES)
- Up to S\$250 course fee subsidy under NTUC UTAP

Log on to www.copace.ntu.edu.sg to apply

Applications for Specialist Certificates are open all year round

Academic Semester 1: August to December
(Process in May)

Academic Semester 2: January to May
(Process in October)