



**NANYANG
TECHNOLOGICAL
UNIVERSITY**
SINGAPORE

Centre for Professional and
Continuing Education

Boost your IT career with professional cybersecurity qualification



2020 Version

Nexusguard Certified Pentester course

Co-organized by PaCE@NTU and Nexusguard

Funded by SSG and eligible for SkillsFuture Credit

NEXUSGUARD®

Course Structure

The 100-hour course is broken down into the following learning activities and assessments to validate the knowledge and practical skills acquired the student, who makes progress towards achieving the certification at the end of the course.



■ Curriculum Module

1. Penetration testing concepts	5. Network penetration testing
2. Penetration testing preparation	6. Vulnerability management and handling
3. Penetration testing procedures	7. Threat modeling and reporting
4. Web application penetration testing	8. Penetration testing maturity assessment

■ Learning Assessments

Multiple choice questions	Documentation report
Online virtual labs hands on	Cyber drill - crisis simulation
Capture the flag challenge	



Nexusguard Certified Pentester

Intended for network and cybersecurity practitioners aiming to further their career, this 100-hour part-time programme aims to equip students with the knowledge to analyze cyber risks to network infrastructures and hands-on skills to conduct vulnerability Assessment and Penetration Testing (VAPT).

Upon completion of the eight modules, students will be awarded the Nexusguard Certified Pentester certification through the Nanyang Technological University.

The Benefits

Total **100** hours comprehensive course

5 days virtual lecture

Capture the Flag (CTF)
Challenge as part of assessment

Students can pen-test
their own company environment
with Nexusguard Academy mentors support

The Skills You'll Gain

The course is a combination of lecture and hands-on exercises so the student will be more effective when it comes to the art of penetration testing. At the end of this course, the student will be able to show a mastery of the cybersecurity kill chain, being able to find vulnerabilities and exploit them.

Who should attend

- Security analysts/vulnerability assessors
- Security researchers/web developer's Ethical hackers
- Penetration testers
- Cybersecurity professionals
- Cybersecurity managers
- Information security managers

Prerequisites

- A minimum of 6 months experience in IT or security-related background
- Basic knowledge in TCP/IP
- Basic knowledge in web application technology
- Basic knowledge in Windows and Linux commands

Upon Completion

Participants will be awarded Nexusguard Certified Pentester (NCP) certification when they pass each mandatory online test.

Nexusguard Certified Pentester (NCP) Course (Asynchronous e-Learning)

Date 7 to 27 Aug 2020

Time Asynchronous Mode: 7 to 21 Aug

Synchronous Mode: 21 to 27 Aug, 9am-5pm



Registration
Closing Date
24 Jul 2020

7 to 26 Oct 2020

Asynchronous Mode: 7 to 19 Oct,

Synchronous Mode: 20 to 26 Oct, 9am-5pm



Registration
Closing Date
23 Sep 2020

Venue NTU Virtual Learning Environment

Course Fee S\$710 after max SSG funding (Standard: S\$10,700)

Registration fees inclusive of Digital Learning Resources and Prevailing GST