



NANYANG
TECHNOLOGICAL
UNIVERSITY
SINGAPORE

Introduction

MSc Cybersecurity Program@CCDS

Program Directors:

Dr Tay Kian Boon, CCDS



Introduction & Welcome Everyone

- I am Dr Tay Kian Boon (MSc Cybersecurity Program Director) from NTU College of Computing & Data Science: kianboon.tay@ntu.edu.sg
 - PhD (MIT)
 - > 10 years industry experience in cybersecurity
- Administrator ccds-mscs@ntu.edu.sg

Why Singapore & Why CCDS

- Choosing a suitable university to study for a Masters in cybersecurity is a very important decision
- In the following slides I will attempt to convince you that Singapore is an excellent country to study for your MSc cybersecurity
- I will also attempt to convince you to choose the MSc program offered by NTU College of Computing and Data Science (CCDS)

Why Singapore- vibrant cosmopolitan city!

- Singapore is a cosmopolitan city
- Best of East/West experience
 - Arguably the best country in Asia to absorb best of east/west culture
- Many of the best in Asia & the world study and work here
- Estimated 80-90% speak English, most Chinese here speaks Chinese
- 75% Chinese, 15% Malay, 10% Indian, 10% others

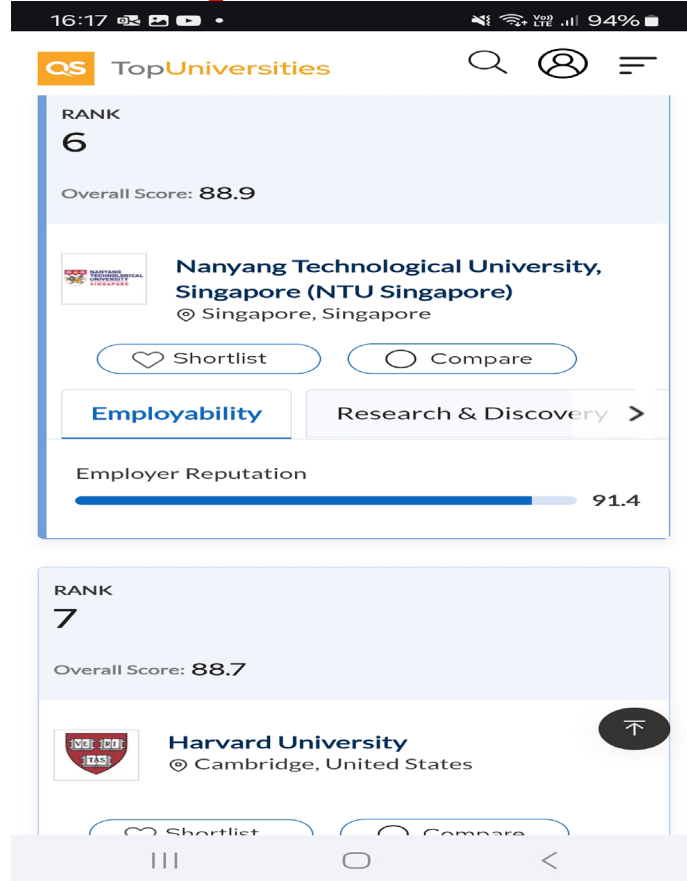
Why Choose NTU – QS world rankings – 6th

Our University **World Rankings** (Computer Science): 6!

- <https://www.topuniversities.com/university-subject-rankings/computer-science-information-systems>

- Some of our MS cyber students have already started working in Spore after graduating!

Why Choose NTU – QS world rankings – 6th



Introduction & Welcome Everyone

- Our MSc program started more than 3 years ago, with letters of support from industry giants such as PAYPAL & ALIBABA etc
- Upcoming Jan 2027 batch will be our 6th batch!
- We have trained about 250 students so far, and more than 140 students will be joining us in Aug 2026!
- This means our program is well tested and many are still applying to our program!
- Instructors come from our world class NTU CCDS faculty (Princeton, MIT etc) & Experts from industry, some of whom are Chief Info Security Officers with decades of experiences

Strengths of this Program

- You have chance to learn not only **core cyber-skills such as app security, mobile security, network security, cloud security etc** BUT ALSO hot topics like **Zero Trust and AI in cybersecurity**
- Besides academic modules, students have a choice to do a
 - practical 3-4.5 months **Industrial Attachment** after coursework OR
 - a **Project** with our esteemed faculty or industry experts

Coursework Requirements

- Onsite Classes

To be awarded the Master of Science degree, the student must complete:

- Compulsory Courses: 12 AUs
- Elective Courses / IA / Master Project: 18 AUs
- Total Graduation Requirement: **30 AUs**

Option 1: 4 Compulsory Courses, 4 Elective Courses & IA or Master Project

Option 2: 4 Compulsory Courses, 6 Elective Courses

	Minimum Candidature	Maximum Candidature
Full Time Study	1 Year (2 Semesters)	2.5 Years (5 Semesters)
Part Time Study	2 Years (4 Semesters)	4 Years (8 Semesters)

4 **CORE** MODULES (compulsory)

1. Computer Security
2. Application Security
3. Cryptography
4. Network Security

Variety - 9 Electives-not all offered at same time

Security Risk management	Forensics
Security Monitoring & Threat Detection	AI & Cybersecurity new
Software Security	Malware
Introduction to AI & Cyberthreat Intelligence	Mobile App & Cloud Security, Zero Trust (new)
Capstone Project	

Industrial Attachment (FT students)

- Some students will undergo industrial attachment with companies upon completing & passing their coursework requirement
- Length 3-4.5 months depending on company's requirement

Assessment

- Assessment for each course will be based on quizzes and/or mini project during the conduct of the course.
- The industrial attachment will be assessed by our faculty members with inputs from the industrial collaborating partners.

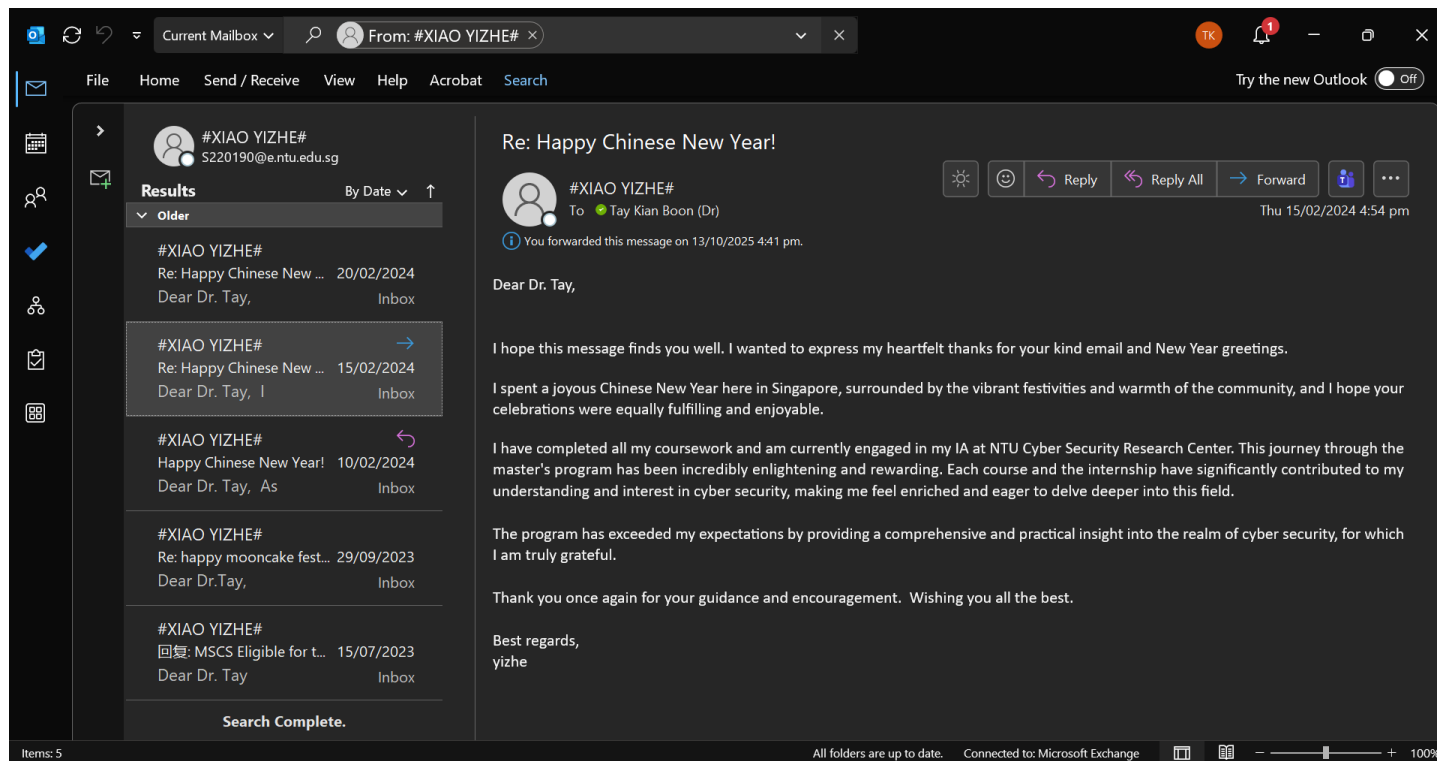
Our Upcoming Jan Program, in 2026-2027

- We will follow fully NTU academic calendar for undergrads:
- Jan2027 – Mid May 2027 (13 weeks plus mid term 1 week break)
- Mid May 2027- Early Aug 2027 – Summer break
- Application opens July 2026

Our Fees, Aug 2026 intake

- **Whole program**-One Fees for all: SGD **\$63,200** Inclusive of 9% GST
- NTU Alumni: On top of the above, alumni can enjoy a 10% grant

Why Choose Our Program – Testimonies



Why Choose Our Program – Testimonies

STARTER FUTURE



Tee Jia Xin
Master of Science in Cyber Security, Class of 2025-2027

From mastering security risk management to identifying and mitigating risks, to delving into application and network security, and even exploring the intricacies of digital forensics, my journey in MSCS has been transformative. The breadth and depth of knowledge I've gained are immense. This programme has not only equipped me with the expertise and skills to make meaningful contributions in the cybersecurity field but also instilled a deep sense of purpose in my work.



Shivang Srivastava
Master of Science in Cyber Security, Class of 2024

MSCS has enabled me to gather a plethora of skills and hands-on experience. It has provided a chance for me to work with a reputed firm in Post Quantum Cryptography, as part of the Industrial Attachment Program. I had also interned at web3 and Decentralised Systems related advancements. Moving forward, I am equipped with the cutting-edge cybersecurity tools and knowledge required to make a positive impact in this field.

Closing Slide & Q & A

- We took in abt 140 for Aug 2026 batch
- [https://www.ntu.edu.sg/education/graduate-programme/master-of-science-in-cyber-security-\(mscs\)](https://www.ntu.edu.sg/education/graduate-programme/master-of-science-in-cyber-security-(mscs))
- Please contact ccds-mscs@ntu.edu.sg for more information on MSCS.

Conclusion

- Thank you for your attention!
- Hope you will join us this Jan!