

# SCHOOL OF INFORMATION TECHNOLOGY

## MAKE IT DIFFERENT

Information Technology (IT) permeates and transforms every sector of the economy, from banking and finance, business and marketing, communications and social media, biomedical and health sciences, lifestyle and entertainment to security and networking.

IT has and will continue to change the way we work, live and play. Social networking, real-time feeds, mobile applications, multiplayer online role-playing games, interactive TV and augmented reality are part and parcel of our lifestyle today. Think Twitter, Facebook, Google, MSN, App Store, OneMap, eBay and Online Spree. Can you imagine a day in your life without IT?

The national Intelligent Nation 2015 (iN2015) blueprint spells out our exciting IT-enabled digital future!

### Why Information Technology?

- IT is a key driving force of the economy.
- Enjoy excellent career prospects with the industry's constant demand for well-trained IT professionals.
- Be part of the excitement of turning new ideas into innovative applications.

### Why SIT?

- Choose from seven innovation-oriented IT courses that are designed to groom you into a skilled IT professional.
- Develop real-life IT software products and solutions for the industry with the latest cool gadgets and emerging technologies at our very own Centre for IT Innovation (CITI).
- Enrol into our Talent Development Programme as a scholar! Industry leaders collaborate with us to award bond-free scholarships to aspiring students.
- Your learning journey at SIT will be a holistic experience. We nurture your potential as an all-rounder and develop your life skills and leadership qualities.
- Our graduates are industry-relevant, industry-ready and highly sought-after by all sectors of business and industry. Choose from a wide range of exciting high-tech positions, ranging from software technologists, game developers, business intelligence analysts to enterprise solutions architects, IT security consultants, technopreneurs and social media strategists.

- Our diplomas are accorded advanced standing at many renowned universities.
- Join the ranks of our outstanding graduates, many of whom are now scholars at NUS, NTU and SMU and many prestigious overseas universities like Stanford University, University of Toronto, University of Manchester and the University of Melbourne.

### Industry-linked

Our strong collaboration with industry provides realistic, effective and relevant learning experiences for our students. Our industry partners include technology leaders and agencies such as:

- Brandtology
- Centre for Strategic Infocomm Technologies
- Cisco Systems
- Defence Science & Technology Agency
- IBM
- Microsoft
- NCS Pte Ltd
- Nokia
- Oracle
- SAP
- SAS
- StarHub

### Minimum Entry Requirements

- |   |             |
|---|-------------|
| a) English Language                     | Grade 1 - 7 |
| b) Elementary or Additional Mathematics | Grade 1 - 6 |
| c) Any two other subjects               | Grade 1 - 6 |

You must also have sat for a relevant Science or Technology subject.

### Enquiry Hotline

Please call **6550 1600** or visit [www.nyp.edu.sg/sit](http://www.nyp.edu.sg/sit) for more information.



JAE CODE:  
**C54**

# DIPLOMA IN INFORMATION SECURITY

**CSIT - Nanyang  
Scholarships Available**

In today's globally-linked world, there is an increasing level of cyber-security threats. Social Media platforms like Twitter and Facebook are increasingly targets of attacks. Financial scams, computer hacking, virus attacks and identity theft hurt both companies and people. There is a global demand for well-trained InfoSecurity professionals to counter such threats.

This diploma is a comprehensive programme designed to equip you with strong IT expertise and specialised knowledge in information security and digital forensics. You will strategise, research and develop secure solutions that safeguard critical information assets of enterprises and individuals with capabilities in evidence gathering, analysis, investigations and presentation of digital frauds and crimes.

You will be empowered with the skills to safeguard digital information from being compromised through prevention, detection and management of security threats. Soon, terms like malware, phishing, cryptography, steganography, digital forensics, zero-day attack, system hardening, enterprise security, risk management and governance will all become part and parcel of your vocabulary.

## **This fits me to a T!**

This is the course for you, if you:

- Aspire to be an infosecurity specialist who uses IT to make a difference in the way we safeguard vital information assets
- Want to contribute to the fight against sophisticated infosecurity threats and cyber attacks
- Aim to be a digital forensics professional who investigates digital footprints and identifies evidences of security breaches

## **What will I learn?**

- Various critical areas of enterprise information security and digital forensics through the holistic coverage of people, process and technology
- How to harmonise security policies and governance, risk management and IT in the implementation of effective solutions
- How to integrate technical expertise and specialised knowledge through semester projects and case studies, enhancing your exposure to team work, effective communication, project management and innovation

## **In this IT-plus+ course, you will boost your competitive advantage through:**

- A full-time industry project to sharpen your technical knowledge, business acumen and project management skills
- Local or overseas industrial attachments at companies or R&D centres to gain real-life work experience and industry exposure
- Overseas immersion opportunities to broaden your horizons and equip you with a global mindset
- Professional certifications offered by technology leaders such as IBM, Cisco, Microsoft, Oracle, Red Hat, SAP and Sun Microsystems

## **I want a great career!**

Information security is a key enabler of trusted e-services across public, private and people sectors. The increasing level of security breaches and malicious attacks has raised the demand for qualified information security professionals locally and globally – be it in financial services, telecommunications, manufacturing, healthcare or defence. You can look forward to challenging and fulfilling careers as:

- Network & System Security Experts
- Software Security Technologists
- IT & InfoSecurity Consultants
- Digital Forensics Investigators
- Information Systems Auditors
- R&D Specialists and many others

## **Uni, here I come!**

With this diploma, you will have opportunities to pursue further studies with good advanced standing in relevant degree courses at reputable universities in Singapore, the UK, Australia, the US, Canada and New Zealand.

"I was very honored to be given the opportunity to be the emcee for the [i.code] competition last year. This experience has taught me to speak up more confidently. As a member of the SIT Club Exco, I have also gained experience in guiding my juniors to plan school-wide events. This has greatly broadened my horizons and allowed me to acquire skills that cannot be found in textbooks.

NYP has certainly taught me much, both in terms of academic studies and life skills, and I will not forget these important life lessons."

### **Lynette Chen**

Diploma in Information Security  
Year 3 student,  
Recipient of CSIT-Nanyang  
Scholarship

