The NUS Master of Technology in Software Engineering programme has been more than fulfilling. The curriculum is up-to-date and it provided me with many opportunities to enhance my knowledge and experience in software engineering. As I attended the part-time programme, most of my course mates were also working professionals and interacting with them greatly expanded my perspective of the industry and opened my eyes to the technologies that other companies are using.

Andrew Chong, Singapore
Senior Software Engineer, DSO National Laboratories
Master of Technology in Software Engineering (M Tech SE),
Class of 2017

Other Master of Technology programmes by NUS-ISS

Master of Technology in Enterprise Business Analytics
Available as Stackable Certificate Programme in Business Analytics

Master of Technology in Intelligent Systems
Available as Stackable Certificate Programme in Intelligent Systems

Graduate Diploma in Systems Analysis
Available as Stackable Certificate Programme in Digital Solutions Development

About the Institute of Systems Science (NUS-ISS)

Established in 1981, the Institute of Systems Science at the National University of Singapore (NUS-ISS) develops digital talent for the industry through graduate education, professional development programmes, consultancy, applied research and career services. NUS-ISS is widely recognized as a champion of the national SkillsFuture movement, enabling a digital economy that is always learning and always leading.

NUS-ISS has implemented a unique portfolio of multiple learning pathways, with a wide spectrum of programmes in critical industry disciplines such as software development, data science, artificial intelligence, cybersecurity, smart health, digital government and digital innovation.

To date, over 120,000 infocomm & business professionals, 6,800 corporate customers and 5,500 post-graduate alumni members have benefited from NUS-ISS’s suite of services. Its programmes are delivered by ISS staff with an average of more than 20 years of industry experience.

Institute of Systems Science  National University of Singapore  25 Heng Mui Keng Terrace, Singapore 117615

http://www.iss.nus.edu.sg  (65) 6516 2093  isspostgrad@nus.edu.sg  facebook.com/iss.nus  linkedin.com/company/iss.nus
The NUS Master of Technology in Software Engineering programme emphasizes the skills required for architecting scalable, secure and smart systems and platforms. The focus will also be on exploitation of software technologies, methodologies and management techniques. It focuses on the practical and systematic construction of software systems, using innovative and state-of-the-art techniques. The programme will equip you with the essential knowledge and practical experience to architect, design, build and manage the delivery of robust software systems for your organization and customers.

**Who Should Apply**
- Individuals who have a few years of experience in software engineering roles and are looking to further enhance their knowledge and skills in architecting scalable, secure and smart systems and platforms.
- Professionals who are currently in or are looking to enter the careers in the following areas:
  - Software Architecture (general, smart systems, data).
  - Data Architecture.
  - Product Management.

**Admission Criteria**
- Bachelor's degree preferably in Science or Engineering and a grade point average of at least 3.5.
- Proficiency in the English Language (written and spoken)*.
- Have passed an entrance test.
- Has received a favourable assessment at admissions interview conducted by NUS-ISS.
- Preferably 3-4 years relevant working experience.
- Candidates who have less than four years relevant experience with good practical software engineering knowledge, gained either through coursework, projects or work experience, may be considered.
- Equivalent knowledge and skills imparted in the NICE-NUS-ISS Certificate in Software Architecture—Foundations.
*Applicants whose native tongue and medium of university instruction is not in English should submit your TOEFL, or IELTS score as evidence of your proficiency in English.

**Capstone Project (Full-time) 3 months**

**Learning Outcomes**
- Architect scalable, robust, integrated systems.
- Architect systems as Cloud Native solution with best practices and patterns.
- Engineer and automate DevOps pipelines for Agile Continuous Delivery.
- Architect platforms and frameworks for building scalable systems and platforms.
- Explore platform functionality to other systems and platforms.

**Job Roles**
- Solution Architect
- Cloud Architect
- Platform Architect
- DevOps Engineer

**Stackable Graduate Certificate Programme in Software Engineering**
Students who complete the Master of Technology in Software Engineering programme (M Tec) may apply to obtain a series of NUS-ISS graduate certificates over a period of five years without deselecting their courses. You will have the flexibility of studying at your own pace by taking the required modular courses that make up the certificates to meet your needs. PCEs who do not wish to obtain a certificate graduate diploma or degree can continue to attend individual modular courses that allow you to gain the skills to meet your career needs.

Participants who wish to continue their learning journey towards the Master of Technology in Software Engineering degree will have to complete one graduate certificate (fundamental), any two of four graduate certificates (specialized) and a capstone project in Software Engineering.

Visit [www.las.nus.edu.sg/graduate-programmes](http://www.las.nus.edu.sg/graduate-programmes) for more details. We conduct in-country entrance tests and interviews in selected countries.

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**Reminder:**
- The programme is designed to be offered in a hybrid mode (M Tec) or on-campus mode (M Tec 1). Candidates who are interested in M Tec 1 must check the course availability on the NUS-ISS website before applying.
- Applications must be submitted online via the Graduate Admission System (GAS). Candidates must also submit additional documents as required.

Visit [www.las.nus.edu.sg/graduate-programmes](http://www.las.nus.edu.sg/graduate-programmes) for more information.