MASTER OF TECHNOLOGY IN IT LEADERSHIP

Lead digital transformation ... 
Run a high-performing IT organisation

AGILE & CONFIDENT LEADERSHIP
A professional Master’s degree programme to prepare, develop and nurture the next generation of IT and digital leaders for Asia.

The Master of Technology in IT Leadership (MTech ITL) degree is jointly offered by the NUS’ Institute of Systems Science (NUS-ISS) and the NUS School of Computing (NUS Computing).

Graduates from the Master of Technology in IT Leadership programme will be awarded a Master’s degree by National University of Singapore (NUS), ranked 12th worldwide in the Quacquarelli Symonds (QS) World University Rankings 2016/2017, and best in Asia.

Support from the industry

“This programme is timely and serves to address the gaps of CIO development. Many of the programmes available today are either too technical or cover general management. There is a pressing need to develop a new generation of IT Leaders who are both business and technology savvy and can interact effectively with C-executives.”

Ms Rosina HOWE
Chief Innovation Officer & Group Director, Innovation and Infocomm Technology Group, Land Transport Authority

“The CIO is at the pinnacle of the IT profession and an aspirational target for many ICT professionals. To play this increasingly business-critical role effectively requires continuous learning and development of competencies in leadership, technology management, business acumen and societal contribution. ITMA is pleased to be a strategic partner of NUS-ISS in nurturing current and future generations of CIOs through the MTech ITL programme.”

Mr Alvin ONG
President, IT Management Association (ITMA)
CIO, Alexandra Health System & Integrated Health Information Systems (IHiS)

“MTech ITL will achieve the outcomes with its intensive practice orientation. The programme offers a solid foundation in digital business transformation, understanding of the interplay between IT and business, and leadership in IT. Students will be groomed to become more strategic, agile and innovative under the mentorship of industry leaders and through industry projects.”

Ms Janet ANG
Vice President, Industry Solutions, Systems of Engagement & Smarter Cities, IBM Asia Pacific

IT Management Association (ITMA) is a community of successful and forward looking IT leaders who make a difference to the IT industry in Singapore. Its mission is to harness IT Management best practices for the success of businesses, and to nurture new generations of CIOs and most of all to be the centre of excellence for IT leadership.
WHY WILL IT CHANGE YOU?

- This programme has been specially designed to develop your capability and capacity and transform you to:
  - Be strategic, agile, innovative and a critical thinker
  - Be operationally sound and smart
  - Create business value and understand financial implications
  - Effectively communicate ideas and strategic business cases
  - Nurture effective relationships with business partners, users and other stakeholders.

WHO IS IT DESIGNED FOR?

The MTech ITL programme is specially designed to prepare and nurture the next generation of IT, digital and business leaders to lead technology, integrate business, IT and digital strategies and build an agile, innovative and effective IT organisation.

- IT managers, experienced business managers and directors with IT portfolio management responsibilities who want to further build their career as IT, digital and business leaders
- Current IT leaders who wish to gain relevant academic foundation to effectively innovate, lead and execute IT and digital transformation

WHAT IS THIS MASTER’S DEGREE ABOUT?

It is about the job of the IT and digital leader and how the role has become increasingly complex and multi-faceted as the use of technology permeates through the organisation and its eco-system. New demands are mandated on today's leaders to reap the full benefit of digital opportunities, handle the accompanying risks, challenges and uncertainties, and operate stable, mission-critical systems.

This MTech ITL programme will equip students with the critical knowledge, hard and soft skills to be a strong IT and digital leader. It will accelerate their career and enhance their ability to take on complex and greater levels of responsibility in IT and digital leadership roles. Students will be equipped with the right thinking and capabilities to ride the digital wave and lead technology value realisation in the organisation. It will also help organisations to build the next generation of IT and digital leaders.

The curriculum has been created by the NUS in consultation with foremost IT and business leaders, and will be jointly delivered by NUS and practising Chief Information Officers and IT leaders.

HOW WILL IT CHANGE YOU?

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- Effectively communicate ideas and strategic business cases
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WHAT WILL YOU LEARN?

The MTech ITL programme offers an integrated and comprehensive curriculum that is based on strong academic foundation and intensive practice orientation.

WHAT IS THE VALUE OF THE CAPSTONE PROJECT?

The IT leadership capstone project brings together all disciplines that students have encountered in the programme. Students reflect, apply and synthesise the knowledge, skills and techniques that they have learnt in class to a real-life organisation and environment. They will integrate what they have learnt with how they, as the “IT and Digital Leader”, will have to perform and solve real-life problems for a target organisation. Industry advisors will facilitate this process. Students will work in groups to perform the capstone project. The student group, project scope and deliverables of the capstone will be defined before the project commences. The capstone project extends over 6 and 9 months for the full-time and part-time programmes respectively.
HOW ARE THE CLASSES RUN?

The MTech ITL programme is highly interactive. It combines lectures conducted by experienced faculty and instructors who are practicing CIOs and thought leaders or those who have previously held such positions; discussions, workshops and case studies for experiential learning; mentorship by ITMA leaders and industry practitioners; dialogues and industry round-tables; and intensive practice orientation through a capstone project.

The programme operates on a two-semester academic year. Each semester starts with a whole week module (Monday to Saturday), with classes held from 9.00 am to 5.00 pm. For other modules, classes are generally held on Friday evenings at 6.30 pm, and whole day Saturday from 9.00 am to 5.00 pm, for both part-time and full-time students.

The programme is offered on:

- **Full-time basis**
  A minimum of one year to a maximum of two years

- **Part-time basis**
  A minimum of two years to a maximum of four years

WHO WILL YOU LEARN FROM?

The faculty and teaching staff in the MTech ITL programme have a wealth of experience in academia and industry. They are either practicing CIOs or have held CIO and IT leadership roles in industry or are career information systems and leadership academics. Students will therefore benefit not just from the sound foundation of theory but also from the wealth of experience of these accomplished instructors/faculty, and their interactions with them. The NUS-ISS and NUS Computing team includes:

### Alex SIOW
Practice Professor, NUS School of Computing
Formerly MD (Health & Public Services), Accenture; CIO/VP Starhub; CIO, Housing Development Board

### GOH Boon Nam
Chief, IT Service Management Practice, NUS-ISS
Formerly Deputy Director, Business Information Systems, Housing Development Board

### Dr Jungpil HAHN
Associate Professor and Head of Information Systems, NUS School of Computing

### KHOONG Chan Meng
Director & CEO, NUS-ISS
Formerly Group CIO, RGE; Government CIO, Qatar

### Dr KWONG Yuk Wah
Adjunct Professor, NUS School of Computing
CIO, National Trade Union Congress, Formerly Vice President, Singapore Airlines

### Dr LEONG Mun Kew
Deputy Director, NUS-ISS
Formerly CTO & Deputy CIO, National Library Board

### LIM Hooi Ling
Chief, MTech IT Leadership Programme, NUS-ISS
Formerly CIO, Accountant-General’s Department, Ministry of Finance

### Dr OH Lih Bin
Associate Professor, NUS School of Computing

### Stuart SMITH
Chief, Digital Innovation and Design Practice, NUS-ISS
Formerly CEO & Chairman, Wood Holmes

### Dr TEO Hock Hai
Professor, NUS School of Computing

### Programme Fee

- **$40,500**
  For Singaporean and Singapore Permanent Resident (SPR)

- **$45,000**
  For International Student

Fee includes GST. It excludes miscellaneous fees.

ARE YOU READY TO APPLY?

Applicants must satisfy the following admission criteria:

- **Possess the equivalent** of a good NUS undergraduate honours degree preferably in IT, Science, Engineering or a related discipline.

- **Possess the following relevant work experience or equivalent:**
  - A minimum of 5 years of work experience in IT management or business management.
  - Experience working in major leading IT roles, such as in software development, maintenance, system management, etc.

- **Demonstrate proficiency in English.** Applicants whose native tongue and medium of university instruction is **not** in English would be required to submit the TOEFL (Test of English as a Foreign Language) or IELTS (International English Language Testing System) score as evidence of their proficiency in the English language.

- **Complete two application essay questions.**

- **Achieve a favourable assessment at an admissions interview conducted by NUS.**

It should be noted that all decisions in the application process are at the discretion of NUS-ISS management.

Apply online via the NUS Graduate Admission System (Coursework). Scan this QR code for more details on the application process.
National University of Singapore

A leading global university centred in Asia, the National University of Singapore (NUS) is Singapore’s flagship university, which offers a global approach to education and research, with a focus on Asian perspectives and expertise.

NUS has 16 faculties and schools across three campus locations in Singapore – Kent Ridge, Bukit Timah and Outram. Its transformative education includes a broad-based curriculum underscored by multi-disciplinary courses and cross-faculty enrichment, as well as special programmes which allow students to realise their potential.

The learning experience is complemented by a vibrant residential life with avenues for artistic, cultural and sporting pursuits. Over 37,000 students from 100 countries further enrich the community with their diverse social and cultural perspectives.

NUS has three Research Centres of Excellence (RCE) and 26 university-level research institutes and centres. It is also a partner for Singapore’s fifth RCE. The University shares a close affiliation with 16 national-level research institutes and centres. Research activities are strategic and robust, and NUS is well-known for its research strengths in engineering, life sciences and biomedicine, social sciences and natural sciences. It also strives to create a supportive and innovative environment to promote creative enterprise within its community.

NUS Institute of Systems Science

Established in 1981, NUS-ISS provides graduate education, professional development courses, consultancy and research services. Its objectives are to develop infocomm and digital business leaders, to drive organisational innovation and business transformation. It delivers four Master of Technology programmes, a Graduate Diploma in Systems Analysis programme and executive education courses conducted by industry professionals with successful track records and an average of over 20 years of industry experience.

To date, over 105,000 infocomm professionals, 5,700 corporate customers and 4,800 post-graduate alumni members have benefitted from NUS-ISS’ suite of services. The institute is also the leading Continuing Education and Training Centre supported by the Singapore Workforce Development Agency, with specialties in the areas of the infocomm, design thinking and service innovation.

NUS School of Computing

NUS Computing began with the establishment of the first tertiary-level computing department in Singapore in 1975. It currently offers six undergraduate degree programmes, various double and concurrent degree programmes, as well as advanced Masters and PhD degree programmes that allow specialisations in emerging areas of importance. Its community is comprised of 200 faculty members, 2,000 students and over 15,000 alumni. The excellent education students experience at NUS Computing, coupled with the reach and demand for computing talent in all fields and industries, make its graduates highly sought-after. Together, the faculty members, students and alumni engage in diverse, relevant, innovative and award winning work, and thus NUS Computing is consistently ranked as one of the world’s leading computing schools.