

Master of Science in Computing

Evolve into an outstanding IT professional or R&D expert
through niche courses and applied research projects



SINGAPORE MANAGEMENT
UNIVERSITY

POSTGRADUATE



SCHOOL OF
COMPUTING AND
INFORMATION SYSTEMS

Programme Overview

Singapore Management University (SMU) offers the Master of Science in Computing programme. The programme is designed to enhance your knowledge and skills by providing you with a broad view of information systems in addition to invaluable hands-on experience. If you are interested in developing new technologies and creating innovative applications, the Master of Science in Computing will be ideal for you.

INDUSTRY RELEVANCE

Our programme is distinctive in its emphasis on strong industry-relevant projects as an essential component of the curriculum. You will not only acquire knowledge in the classroom but also be expected to confidently and innovatively apply what you have learnt.

While working with our partner centres and institutes, you will be challenged with real problems faced by today's industries, gaining highly sought-after application development and research skills. The programme will provide you with hands-on research and application experience through strong collaboration with aligned centres, institutes and labs.

Programme Structure

To graduate from the programme, students are required to complete 10 Course Units comprising the following:

• Core Courses • Elective Courses • A Capstone Project

The programme is designed for full-time study. Part-time admission will only be considered for exceptionally strong applicants who cannot enrol full-time.

Full-time Master of Science in Computing students typically undertake and complete their core and elective courses in two terms. Students are required to identify a suitable capstone project topic in the first term. The duration of the course for full-time students is one year.

Part-time students will generally finish their core and elective courses in four terms while exploring a suitable capstone project topic from their second term. Certain classes are conducted in the daytime during weekdays. The duration of the course for part-time students is two years.

Additional information on the curriculum can be found at <https://smu.sg/mscomputing>

A SAMPLE SCHEDULE FOR FULL-TIME STUDENTS

An academic year is made up of 3 terms (15 weeks each).

Term 1	Coursework Exploration of suitable capstone project topic
Term 2	Coursework Work on capstone project Submission of capstone project proposal
Term 3	Completion of capstone project Capstone project presentation

Programme Tracks

The programme offers three technology tracks:

- **Data Science & Engineering**
- **Cybersecurity**
- **Software & Cyber-Physical Systems**



Data Science & Engineering

Students will master and develop scalable and secure solutions to store and retrieve information from large data sets of diverse types (e.g., spatial, multimedia, text, etc.) as well as analytics methods for mining and understanding collections of evolving data and social networks.



Cybersecurity

Students will gain in-depth knowledge of security issues in computer systems, networks and their applications. Thus, students are prepared for everything from a career with large corporations to developing their own information security solutions.



Software & Cyber-Physical Systems

Students will be trained with theoretical knowledge and solid practical skills in designing and implementing complex cyber-physical systems. This track is ideal for students who want to expand their knowledge and pursue a career in the cyber-physical systems industry.

College of Graduate Research Studies (CGRS)

UNLOCK OPPORTUNITIES THROUGH INTERDISCIPLINARY RESEARCH

The College of Graduate Research Studies (CGRS) trains students to **uncover new knowledge and develop novel solutions that are relevant to some of today's most challenging issues.** This will be undertaken at the intersections of disciplines, cultures and industry.

Our community of learners benefit from **the diversity of expertise, disciplinary and interdisciplinary knowledge and perspectives** so that they are well-equipped to create significant impact.



CREATE
Significant Impact
Across Disciplines



TACKLE
Challenging Issues
With Confidence



BUILD
Strong Connections
Within Our Community

Transformative & Holistic Learning

- Through Interdisciplinary Programmes.
- Through the Graduate Research Interdisciplinary Topics (GRIT) comprising the training in curated topics spanning across two or more disciplines, to ensure students are well grounded.
- Through the Graduate Research Professional Development (GRPD) programme which consists of a suite of credit-bearing courses, workshops and seminars to ensure career-readiness.

Fostering a Sense of Belonging

- Through the Graduate Research Student Society (GRSS) to deepen interactions among students with academic exchanges and social activities.
- Through Graduate Research Alumni Chapter (GRAC) to enhance lifelong engagement and affiliation among the graduates.
- Through meaningful engagement events and activities between students and graduates.

Programme Fee

This is payable in two instalments. In addition, a registration fee is payable immediately upon acceptance of our admission offer. Details of programme fees can be found at <https://smu.sg/mscomputing>

Merit Award

Students who have achieved high academic performance will be considered for a **Merit Award of up to S\$5,000.** The award disbursed will be used to offset the second instalment of the programme fee.

Admission and Application

ADMISSION REQUIREMENTS

A Bachelor's degree in a relevant discipline, preferably in computer science, information systems, information technology, engineering, science, statistics or applied mathematics.

Good GRE or GMAT results.

May be waived for SMU, NTU, NUS and SUTD graduates.

Good TOEFL or IELTS scores.

For applicants whose medium of instruction at the Bachelor's/Master's level was not in English.

Submission of the following documents:

- Copy of Identity Card/Passport
- Latest Curriculum Vitae
- Copies of Degree Certificates and Transcripts
- Personal Statement
- Two Reference Letters

APPLICATION INFORMATION

The programme accepts two intakes each year, in August and January.

Intake	Opening Date for Application	Closing Date for Application
August (Term 1)	1 November (of prior year)	30 April (of intake year)
January (Term 2)	1 May (of prior year)	30 September (of prior year)

Details on the application procedure can be found at <https://smu.sg/mscomputing>.





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