MASTER OF SCIENCE IN COMPUTING

Evolve into an outstanding IT professional or R&D expert through niche courses and applied research projects.
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 such as the Living Analytics Research Centre.

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.

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](https://smu.sg/mscomputing)

A Sample Schedule for Full-Time Students

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

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<thead>
<tr>
<th>Term</th>
<th>Coursework</th>
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<tbody>
<tr>
<td>1</td>
<td>Exploration of suitable capstone project topic</td>
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<tr>
<td>2</td>
<td>Coursework Work on capstone project Submission of capstone project proposal</td>
<td></td>
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<tr>
<td>3</td>
<td>Completion of capstone project Capstone project presentation</td>
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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 English.

Submission of the following documents:
Copy of Identity Card/Passport
Latest Curriculum Vitae
Copies of Degree Certificates and Transcripts
Personal Statement
Two Referee Reports

Application Information

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

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<tr>
<th>Intake</th>
<th>Online Application Opening Date</th>
<th>Online Application Closing Date</th>
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<tr>
<td>August (Term 1)</td>
<td>1 November (of prior year)</td>
<td>30 April (of intake year)</td>
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<tr>
<td>January (Term 2)</td>
<td>1 May (of prior year)</td>
<td>30 September (of prior year)</td>
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Details of application procedure can be found at https://smu.sg/mscomputing