4.2.1 Master of Computing

The Master of Computing programme (M.Comp.) offered by the School of Computing, is a comprehensive and challenging graduate programme with area specialisations. It encompasses latest research findings, both applied and fundamental. The programme also provides advanced and in-depth knowledge of IT to prepare the students for challenges in IT career.

Structure of Programme

Candidates admitted to the MComp programme, can apply to one of the following specialisations offered in the School:

- Computer Science; or
- Infocomm Security; or
- Information Systems

Computer Science (CS) and Information Systems (IS) Specialisations

Students are required to pass ten modules, with at least five modules selected from their specialisation (total of 40 modular credits). The remaining five non-specialisation modules can be chosen from level 4000 to 6000 modules offered by the School of Computing. Students are allowed a maximum of two level 4000 modules and two modules (must be at least level 5000) from other faculties.

Dissertation Option

Students in CS or IS specialisations will be allowed the flexibility of taking the dissertation option which is equivalent to four graduate level modules (16 modular credits). Students will need to complete six graduate level modules (24 modular credits), with at least three modules from the area of specialisation. Out of the six modules, students are allowed at most two level 4000 modules.

The dissertation option gives individual students the opportunity for independent study and research in the area of their selected specialisation. This will be carried out under the supervision of an academic staff, and the selection of the topic/area will be done in consultation with the supervisor in the area of expertise.

Infocomm Security (InfoSec) Specialisation
Students enrolled to the Infocomm Security specialisation from August 2015 intake onwards will complete the MComp programme by selecting one of the following structures:

Option 1

InfoSec specialisation students under this option are to complete six graduate level modules (24 modular credits), with at least three modules from the InfoSec specialisation. A maximum of two level 4000 module is allowed.

In addition, they will need to complete a project which culminates with a dissertation (16 modular credits).

Option 2

Students will need to complete eight graduate level modules (32 modular credits), with at least four modules from the InfoSec specialisation. A maximum of two level 4000 modules is allowed.

Students will also complete a one-semester long project (8 modular credits). Students can undertake an external company/agency-proposed InfoSec projects with a SoC faculty member’s involvement, or a project proposed solely by an SoC faculty member.

Students are allowed a maximum of two modules (at least level 5000 and above) from other faculties.

The details of the pool of modules available are listed in Annex A in our website: https://www.comp.nus.edu.sg/programmes/#graduates

Duration of Programme

Part-time and full-time candidates taking M.Comp. programme must complete the coursework requirements within the period as shown:

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<th>PART-TIME</th>
<th>FULL-TIME</th>
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<td>Maximum Candidature</td>
<td>3 years</td>
<td>3 years</td>
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Workload

The maximum and minimum workload for part-time candidates are 12 and 4 modular credits respectively, while the maximum and minimum workload for full-time candidates are 20 and 12 modular credits respectively.

Graduation Requirements

Candidates must achieve a final CAP of 3.0 (average grade of B-) to graduate, otherwise their candidature will be terminated.

Financial Assistance and Awards

Loans

All students who are enrolled in full-time coursework programme can request for loans up to 90 percent of their fees. For more information, please refer to: [http://www.nus.edu.sg/registrar/edu/qd-fees.html](http://www.nus.edu.sg/registrar/edu/qd-fees.html)

Awards

In recognition of the excellent performance of the graduate coursework students, the Microsoft Prize will be awarded to the Master of Computing student with the best cumulative average point (CAP) throughout the course of study.