

PROGRAMME REGULATIONS

Master of Computing

Programme Schedule

To be read in conjunction with the [Masters Generic Regulations](#).

1. Programme Schedule

This Programme Schedule applies to the Unitec Master of Computing (MComp) [CA2270] Level 9 Credits 240.

2. Special Admission

Special admission may be granted to applicants who have completed a Graduate Diploma (or equivalent qualification) in the same or similar discipline with a B grade average or better.

3. Selection

3.1 Selection criteria

When the number of eligible applicants for admission exceeds the number of places available, the following selection criteria will be applied:

- a) professional qualifications that are relevant to the proposed field of study;
- b) assurance of commitment to undertaking all aspects of the programme and to meeting the learning outcomes;
- c) recommendation from employers;
- d) academic and technical aptitude;
- e) relevant work experience.

These criteria are not ranked in any order. Applicants who meet the greatest number of criteria will be the preferred applicants.

3.2 Selection process

Relevant Academic Authority will select and offer places to students.

Students will be selected based on the information supplied on the enrolment form. In some cases, a telephone or face-to-face interview may be required.

4. Requirements for the Award of the Qualification

4.1 The Award

To be awarded the Master of Computing, a candidate shall have successfully completed 240 credits from one of the two alternative pathways through the degree, together with the requirements of that pathway.

a. Candidates who undertake the thesis pathway shall complete:

Either

- ISCG9026 Thesis 120 credits
- The compulsory Level 8 course listed in Table 1
- 90 credits from the courses listed in Table 2.

OR

- ISCG 9027 Thesis 90 credits
- the compulsory Level 8 course listed in Table 1
- 120 credits from the courses listed in Table 2

Candidates who undertake the dissertation pathway shall complete:

- ISCG9025 Dissertation 60 credits
- The compulsory Level 8 course listed in Table 1
- 150 credits from the courses listed in Table 2.

ISCG9025 "Dissertation" (60 credits) is only available to students who have passed one or more of ISCG8021 to 8039 before 01 January 2008.

Table 1: Compulsory Courses for Master of Computing

Level	Course No.	Course Name	Credits	Prerequisites
Students must complete one of the following				
9	ISCG9025	Dissertation	60	ISCG8024
9	ISCG9026	Thesis	120	ISCG8024
9	ISCG9027	Thesis	90	ISCG8024
8	ISCG8024	Research Methods in Computer Science	30	

Table 2: Elective Courses for Master of Computing

Level	Course No.	Course Name	Credits	Prerequisites
8	ISCG8022	<i>Managing IT Projects</i>	15	
8	ISCG8025	<i>Special Topic 1</i>	15	
8	ISCG8028	<i>Negotiated Study</i>	15	<i>As required</i>
8	ISCG8029	<i>Special Topic</i>	15	<i>As required</i>
8	ISCG8030	<i>Enterprise Network Design and Management</i>	15	<i>Programme Consent</i>
8	ISCG8031	<i>Instructional Design and Interactive Learning</i>	15	
8	ISCG8032	<i>Interactive Multimedia Development 1</i>	15	
8	ISCG8033	<i>Interactive Multimedia Development 2</i>	15	<i>ISCG8032</i>
8	ISCG8035	<i>Internet and Intranet Management</i>	15	
8	ISCG8036	<i>Networks and Protocols</i>	15	
8	ISCG8038	<i>Advanced Web Development</i>	15	<i>Academic Leader Approval</i>
8	ISCG8040	<i>Enterprise Network Information Security Management</i>	15	<i>ISCG8036</i>
8	ISCG8041	<i>Mobile and Wireless Communications</i>	15	
8	ISCG8042	<i>Data Mining and Industry Applications</i>	15	<i>Prior database knowledge</i>
8	ISCG8043	<i>Active Business Intelligence</i>	15	
8	ISCG8044	<i>Health Informatics</i>	15	
8	ISCG8045	<i>Network Programming</i>	15	<i>Require Programme Authority approval</i>
8	ISCG8046	<i>Cloud Computing</i>	15	
8	ISCG8047	<i>Cyber Security and Cloud Computing</i>	15	
8	ISCG8048	<i>Mobile Security</i>	15	
8	ISCG8049	<i>Data Warehouse Architecture</i>	15	<i>Department consent</i>
8	ISCG8050	<i>Machine Learning</i>	15	<i>Department consent</i>
8	ISCG8051	<i>Software Defined Networks</i>	15	
8	ISCG8052	<i>The Internet of Things</i>	15	

Level	Course No.	Course Name	Credits	Prerequisites
8	ISCG8026	Introduction to Data Science	15	Academic Leader approval is required
An approved level 8 course from another programme				as required

4.2 Prerequisites

Prerequisites may be waived by the relevant Academic Authority for candidates who have acquired the requisite knowledge through work experience or formal study in another programme.

5. Milestone Award

The Postgraduate Diploma in Computing is a Milestone Award from the Master of Computing.

6. Credit Recognition

6.1 Transfer from Postgraduate Diploma in Computing

- a. Graduates of the Postgraduate Diploma in Computing may apply (as required) to the relevant Academic Authority for a transfer of credit of up to a maximum of 120 credits towards the Master of Computing provided that the period between completing the award of the postgraduate diploma and applying for admission to the master's programme does not exceed three years.
- b. Credits gained from Level 7 courses in a postgraduate diploma cannot be cross-credited to a Master's programme.
- c. Candidates who have not completed ISCG8024 Research Methods in Computer Science as part of the postgraduate diploma shall be required to complete this course, in addition to the thesis or dissertation, to be awarded the Master of Computing.
- d. In exceptional circumstances, the relevant Academic Authority may approve the transfer of credit from a postgraduate diploma completed more than three years before applying for admission to the master's degree.
- e. For postgraduate diploma graduates who are subsequently awarded the degree, Unitec's academic record shall show only the qualification of the Master of Computing, and the award of the postgraduate diplomas shall be revoked.

7. Commencement

These regulations came into force in Semester 2, 2019.