Master of Computing

The Master of Computing by Coursework degree, offered by the School of Computing & Information Systems, is a postgraduate course of advanced study in computer science and software engineering for Computing graduates, with a grade of credit or better in four advanced computing units, wishing to enhance their computing skills, explore current technologies, and research future applications.

Pathways in the Master of Computing (MComp)

The MComp takes 1.5 to 2 years to complete, depending on the level of prior computing-related study at the commencement of the degree, and on whether the student wants to take some related units from the Information Systems discipline. Your pathway through the program will be determined in consultation with the degree coordinator.

Pathway A: Computing graduates requiring further undergraduate unit consolidation (2 years)

Students undertake four advanced Computing undergraduate units (enter at point A) followed by eight Computing postgraduate units and a dissertation equivalent to four units (exit at point C).

Pathway B: Computing graduates with an excellent academic record in computing (1.5 - 2 years)

Students undertake one year of study to complete eight Computing postgraduate units (enter at point B) followed by a dissertation equivalent to four units (exit at point C). Alternatively, students can also undertake a further four units from Information Systems (exit at point D after 2 years).

Computing postgraduate units

- Advanced Computer Security
- Practical Network Security
- Internet and Web Applications
- Data Mining & Text Retrieval
- Fundamentals of C# and .NET Programming
- Special Topic (any advanced undergraduate unit from the Computing, Games Technology or Human Interface Technology Majors)
- Business Logistics Systems
- Embedded Systems
- Advanced Networking
- IS Project Management
- Computing in Context
Computing advanced undergraduate units

- Concurrent Programming
- Computer Graphics & Animation
- Mobile & Ubiquitous Computing
- Programming C# and .NET Applications
- Artificial Intelligence
- Data Mining and Text Retrieval
- Human Computer Interaction

Thesis

Students undertake two semesters of 50% study as applied research, leading to the presentation of a dissertation. The topic will be on a subject of interest to the student and a member of academic staff. Details of this are as described for the honours thesis on the School website.

Start dates

There are two semesters each year at the University of Tasmania and each semester has thirteen teaching weeks. First semester starts late February and continues until June and second semester starts early July and continues until November. You can begin your Masters program in first or second semester.

Student facilities and support

- The School of Computing & Information Systems is centrally located on campus, with safe, easy access to student accommodations, student services, cafeterias and social and sporting venues.
- The School has appointed an International Co-ordinator as additional support for overseas students.
- Small group tuition provided and readily available individual access to consult with lecturers and tutors.
- Individual work station and computer provided when once you commence the research component
- 24-hour access to PC, Mac, Unix and special or research laboratories.
- There are many active student groups, offering a wide range of academic, social, cultural and sporting opportunities.
- An active interface exists between the school and the Tasmanian business community.

Admission requirements

The Faculty accepts any person who has qualified for a Bachelors Degree in the ICT/Computing/IS area from an accredited tertiary institution as a candidate for the Master of Computing Degree. For entry into all postgraduate courses, international students must provide an IELTS test score of at least Band 6 with a minimum of 6.0 on all bands or a TOEFL score of 575 with a Test of Written English score of no less than 4.5. This test must not be more than 24 months old.

Contacts

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