The Master of Information Technology by Coursework degree offers advanced studies in computing to those who have a Bachelor’s degree. Graduates of this degree are equipped to work as computing professionals with specialized areas of knowledge.

Pathways in the Master of Information Technology (MIT)

The MIT takes one to two 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: Non-computing graduates without appropriate Information Technology content (2 years)
Students undertake eight Computing undergraduate units (enter at point A) followed by eight Computing postgraduate units (exit at point D).

Pathway B: Computing graduates or non-Computing graduates with prior study in Information Technology (1.5 - 2 years)
Students undertake four advanced Computing undergraduate units (enter at point B) followed by eight Computing postgraduate units (exit at point D after 1.5 years). Alternatively, students can undertake a further four units from Information Systems (exit at point E after 2 years).

Pathway C: Computing graduates with an excellent academic record in Information Technology (1 - 2 years)
Students undertake a year of study to complete eight Computing postgraduate units (enter at point C and exit at point D after 1 year). Alternatively, students can undertake a further four units (exit at point E after 1.5 years) or eight units (exit at point F after 2 years) from Information Systems.
Computing introductory & intermediate undergraduate units

• Computer Systems Fundamentals
• Programming & Problem Solving
• Programming with Data Structures
• Advanced Dynamic Web Development
• Web Management
• Data Management
• Algorithms
• Computer Security
• Computer Networks

Computing advanced undergraduate units

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

Computing postgraduate units

• Advanced Computer Security
• Data Mining & Text Retrieval
• Internet and Web Applications
• Fundamentals of C# and .Net Programming
• Embedded Systems
• Computing in Context
• IS Project Management
• Advanced Networking
• Business Logistics Systems
• Practical Network Security

Special Topic (any advanced undergraduate unit from the Computing, Games Technology or Human Interface Technology Majors)

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.

Admission requirements

The Faculty accepts any person who has qualified for a Bachelors Degree from an accredited tertiary institution as a candidate for the Master of Information Technology 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.

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.

Contacts

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