

MIT

Master of Information Technology

CRICOS Code: 115641M

The global demand for information and communication technology (ICT) professionals is strong and growing. In Australia, ICT is one of the top five industries hiring new staff members (Michael Page, 2021a, Robert Half 2021). According to the Australian Computer Society, Australia will need 520,000 additional qualified ICT staff in 2026 compared to 2019 (Technology Decisions, 2021). Internationally, 24 developed countries report shortage of software engineers and developers and 11 countries report shortage of ICT data analysts (Michael Page, 2021b).

Course Overview

The overall purpose of the Master of Information Technology (MIT) course is to develop competent and practical practitioners who add value to the professional ICT community. The course is designed to enable students to gain advanced knowledge and expertise in ICT. Students will learn the principles behind the design of computing systems and how ICT can be used to help organisations to meet their needs. Contemporary and emerging ICT topics such as big data, block chain, business intelligence, cyber security and Internet of Things are incorporated into the course to ensure graduates are immersed in the latest developments in ICT.



Study Mode

Full-time, face to face



Location

333, Queens Street Melbourne Victoria 3000



Duration

Full-time, 2 years (4 Trimesters)



Course Requirements

13 core units PLUS 3 cyber security specialisation units OR
3 data analytics specialisation units OR
3 software development specialisation units



Entry Requirements

Academic Entry Requirements

Domestic Students

- Completion of an Australian Bachelor's degree (or equivalent) in any discipline; or
- Completion of an Australian Graduate Certificate (or equivalent) in any discipline; or
- Completion of an Australian Graduate Diploma (or equivalent) in any discipline.

International Students

- Completion of an Australian Bachelor's degree (or equivalent) in any discipline; or
- Completion of an Australian Graduate Certificate (or equivalent) in any discipline; or
- Completion of an Australian Graduate Diploma (or equivalent) in any discipline.

English Entry Requirements

- IELTS score of a minimum of 6.5 with no band less than 6.0 or equivalent; or Recognised English Language Course: English for Academic Purposes from Oxford English Language Centre or another CRICOS listed English language qualification studied in Australia with outcomes equivalent to IELTS 6.5 with no band less than 6.0; or
- Completion of undergraduate or postgraduate degree, including Graduate Certificate or Graduate Diploma in Australia within the past two years; or
- Completion of a higher education qualification in English Language awarded by a recognised university in which English is the primary language.

Age Entry Requirements

- Applicants must be minimum 18 years of age prior to commencing this course at the Institute.

13 Core Units

- COM5981 Professional Communication
- ICT5000 Data Communication and Networks
- ICT5010 Database Design and Management
- ICT5020 Programming and Algorithms
- ICT5030 Computer Architecture
- ICT5100 Cyber Security Fundamentals
- ICT5110 Applied Statistics and Data Analytics
- ICT5120 Software and Systems Development
- ICT6010 Cloud Computing
- ICT6020 ICT Governance and Professional Issues
- ICT6100 ICT Research Methods
- ICT6110 ICT Capstone Project
- MGT6923 Global Project Management

3 Cyber Security Specialisation Units

- ICT6200 Network Security
- ICT6210 Penetration Testing
- ICT6220 Digital Forensics and Analysis

3 Data Analytics Specialisation Units

- ICT6300 Big Data Management
- ICT6310 Data Mining
- ICT6320 Data Visualisation

3 Software Development Specialisation Units

- ICT6400 Web and Mobile Application Development
- ICT6410 User Experience Design
- ICT6420 Software Analysis and Testing

Possible Career Outcomes

 Business Analyst
Database Administrator
Information Systems Manager
ICT Consultant
Systems Analyst

