



# Master of Information Technology

CRICOS Course Code: 113602A

## Course Description

The Master of Information Technology is a two-year full-time (or part-time equivalent for domestic student only) qualification designed to enable students to acquire a broad and coherent knowledge of key theories and practices that underpin professional IT practice in dynamic business contexts.

## Career Prospects

A graduate of the Master of Information Technology may progress to secure possible jobs in the private and public sectors as Secure Software Assessor, Software Developer, Systems Requirements Planner, System Testing and Evaluation Specialist, Information Systems Security Developer, Systems Developer, Technical Support Specialist, Systems Security Analyst, Cyber Defense Analyst, Cyber Defense Incident Responder.

## What you will study

Throughout the course, students will acquire knowledge and skills in the underlying principles, concepts and technical knowledge that inform the work of Cybersecurity and/or Software Development professionals. They will be able to apply their IT knowledge and skills to a range of industrial activities. They will develop a depth of knowledge in the areas of Cybersecurity or Software Development through a coherent sequence in either, one of which will be chosen during progress through the course sequence and according to their preferences. They will develop a team-based operational style. They will use IT to generate information and solve problems. They will be able to provide a professional level of advice on IT, cybersecurity, or software development matters. The knowledge and skills will be applied in a manner which is reinforced by ethical judgment and effective communication.

## The Way You Will Study

Our model of teaching is face to face with small class sizes. This is because we know that a close, professional relationship with your lecturer improves your chances of success more than any other single factor. Course materials are provided online, but people do the teaching. All of our lecturers are subject matter experts, who enjoy teaching.

There is also time for fun. We will connect you with the students through our clubs and societies, including our instrumental music club, table tennis club, or if you play Carrom, we have club for that too. If you would like to get a head start in developing your own business, we have an entrepreneurship club.

## Admission Requirements

To satisfy the general entrance requirements for admission to the MIT course, including the nested qualifications, applicants must meet at least one of the following entry requirements:

### Domestic applicants with a noncognate AQF 7 credential:

- successful completion of an Australian recognised AQF 7 qualification or overseas equivalence that had been delivered in English, with a grade point average in an undergraduate program of at least 2.4, where the range is four, and an equivalent proportion for other ranges.

### Domestic applicants with a cognate AQF 7 credential:

- successful completion of an Australian recognised Bachelor of Information Technology (BIT) or equivalent qualification that had been delivered in English, with a grade point average in an undergraduate program of at least 2.4, where the range is four, and an equivalent proportion for other ranges, or

- successful completion of an Australian recognised Graduate Certificate in Information Technology or Graduate Diploma of Information Technology or their equivalent that have been delivered in English, with a grade point average in an undergraduate program of at least 2.4, where the range is four, and an equivalent proportion for other ranges, or

### Without a cognate AQF 7 credential:

- Equivalent professional experience which will allow domestic applicants to apply for RPL based on their industry experience.

### International applicants:

- International students must meet the conditions above.
- In addition, international students whose first language is not English must demonstrate competency in the English language. English proficiency can be demonstrated by providing proof of an International English Language Testing System (IELTS) overall test result (or equivalent alternative test result as defined by regulation) that meets the specified level of English proficiency specified for the course: IELTS 6.5 with no individual band below 6.0.

Where international students have achieved an AQF qualification or equivalent overseas qualification and where the language of instruction has been English, students are deemed to have met the English language fluency requirement.

## List of Units of Study

Unit Codes	Semester 1 (Core Units)	Pre-requisites	CPs
ICT910	Enterprise Systems Security		10
ICT911	Database Management Systems		10
ICT912	Programming		10
ICT913	Networking		10
	<b>Semester 2 (Core Units)</b>		
ICT920	Management Information Systems	ICT910 Enterprise Systems Security	10
ICT921	Applied Software Engineering	ICT912 Programming	10
ICT922	Digital Transformation and Cloud Computing	ICT913 Networking	10
ICT923	Information Technology Project Management		10
	<b>Semester 3 (Core Units; then students elect a stream)</b>		
ICT930	Advanced Web Application Development	ICT911 Database Management Systems, ICT912 Programming, ICT921 Applied Software Engineering	10
ICT931	Cybersecurity Incident Response	ICT910 Enterprise Systems Security	10
ICT934	Enterprise Systems Integration & Engineering	ICT920 Management Information Systems	10

Unit Codes	Software Development	Prerequisites	Unit Codes	Cybersecurity	Prerequisites	CPs
ICT943	Software Development Project	ICT923 Information Technology Project Management, all first-year units	ICT942	Cybersecurity Project	ICT923 Information Technology Project Management, all first-year units	10
	<b>Semester 4</b>					
ICT933	Software Quality	ICT921 Applied Software Engineering	ICT932	Security Testing and Assurance	ICT921 Applied Software Engineering	10
ICT941	Risk Management in Software Development	ICT923 Information Technology Project Management	ICT940	Risk Management in Cybersecurity	ICT931 Cyber Security Incident Response	10

Unit Codes	Semester 4 Continued	Pre-requisites	CPs
ICT945	Professional Practice in Information Technology		10
ICT946	Capstone Project	ICT945 Professional Practice in Information Technology, ICT942 Cybersecurity Project /ICT943 Software Development Project/ICT944 Cybersecurity and Software Development Integrative Project, ICT923 Information Technology Project Management, ICT934 Enterprise Systems Integration & Engineering, ICT922 Digital Transformation and Cloud Computing, ICT921 Applied Software Engineering, ICT920 Management Information Systems	10

## Crown Institute of Higher Education

North Sydney Campus: 116 Pacific Highway, North Sydney NSW 2060

North Sydney Campus: Level 5, 213 Miller Street, North Sydney NSW 2060

Sydney CBD Campus: Level 11, 307 Pitt Street, Sydney NSW 2000

Sydney CBD Campus: Level 5, 303 Pitt Street, Sydney NSW 2000

Canberra Campus: Level 1, 5 Fussell Lane Gungahlin, ACT 2912

☎ 1300 171 094    ✉ info@cihe.edu.au    🌐 www.cihe.edu.au

TEQSA Provider ID: PRV 14301 | CRICOS Provider Code: 03744B | ABN: 22 611 573 301

# CONTACT US