UNIVERSITY OF CANBERRA

Master of Information Technology and Systems (973AA.7)

Please note these are the 2027 details for this course

Domestic students

Selection rank	PG
Delivery mode	On campus
Location	Bruce, Canberra
Duration	2.0 years
Faculty	Faculty of Science and Technology
Discipline	Academic Program Area - Technology
UAC code	880267
English language requirements	An IELTS Academic score of 6.5 overall, with no band score below 6.0 (or equivalent). View IELTS equivalences

International students

Academic entry requirements	To study at UC, you'll need to meet our academic entry requirements and any admission requirements specific to your course. Please read your course admission requirements below. To find out whether you meet UC's academic entry requirements, visit our academic entry requirements page.

	View UC's academic entry requirements
Delivery mode	On campus
Location	Bruce, Canberra
Duration	2.0 years
Faculty	Faculty of Science and Technology
Discipline	Academic Program Area - Technology
CRICOS code	064327C
English language requirements	An IELTS Academic score of 6.5 overall, with no band score below 6.0 (or equivalent). View IELTS equivalences

About this course

Shape your career in IT with the help of UC

If you're considering a move into a career in ICT but concerned that your lack of knowledge and experience in this field will hinder your career prospects, relax - this course has everything you need to forge a successful career in IT – fast!

No matter what your background, this course has been designed around those with no formal study or employment background in IT.
In this course you will get to explore the key areas of the 'Skills Framework for the Information Age' and gain a comprehensive and thorough understanding of software technology and engineering practice.

Highly flexible, this course also covers the fine details of database design and engineering management and offers a variety of delivery modes to help you balance your study with other commitments, including weekday classes during business hours and in the evenings.

As part of UC's commitment to Work Integrated Learning (WIL), you will also get the opportunity to undertake an internship within a professional organisation, which will help you gain necessary practical skills and improve your chances of securing your ideal IT job.

This course offers the chance to specialise in either Artificial Intelligence and Machine Learning, Cloud Computing, Cybersecurity, Data Science, IoT & Robotics Network Technologies and Project Management.

Study a Master of Information Technology and Systems at UC and you will:

- gain an introduction to software technology and engineering practice
- be brought up to speed with the latest industry processes and strategies
- learn about security, support and operating a quality, professional IT practice
- be able to choose from a range of cutting edge specialisations
- study information technology and systems in the workplace
- cover key contemporary IT issues
- gain exposure to top level industry contacts
- possess the skills to confidently pursue a career in IT
- gain a globally recognised qualification.

Work Integrated Learning (WIL)

WIL is an integral component of the UC Master of Information and Technology course as it offers students the opportunity to gain valuable hands-on experience and build professional relationships through real work, or work-like placements.

To ensure our students have access to the right people and places, UC works hard to foster close industry connections and regularly engages with industry partners who possess both the skills and experience to provide specialised knowledge and training opportunities.

All course content is reviewed annually by our Course Advisory Group which is made up of a panel of highly qualified and respected industry experts.

Career opportunities

The UC Master of Information Technology and systems is a globally recognised and industry respected qualification that is designed to help you secure a career in any of the following areas:

- Network manager
- Cybersecurity specialist
- Programmer
- Web and mobile developer
- Business and systems analyst.

Course-specific information

Applicants need to have completed an Australian bachelor's degree in any field or equivalent, be fluent in the use of a desktop computer, and have excellent English spoken and written communication skills. No previous IT knowledge is assumed.
This course is fully accredited by the Australian Computer Society, at the Professional level.
A clear pathway of study exists between this degree, the Graduate Certificate in Information Technology and the Graduate Diploma in Information Technology

Join our Information Technology webinar

Get the inside scoop on UC's Master of Information Technology and Systems, at an upcoming course information webinar. Connect

with faculty staff, chat with a current student and learn how the program can pave the way to a range of rewarding careers.

Register now

Professional accreditation

Full accreditation at Professional Level with the Australian Computer Society.

Admission requirements

An Australian bachelor degree in any field or equivalent.

You can use professional experience and prior learning to enter into a postgraduate qualification at UC through our Professional Pathway Entry program. If you have significant work experience or hold industry-recognised qualifications, this program could be your route to bypass undergraduate study and accelerate your career. Explore Professional Pathway Entry https://www.canberra.edu.au/future-students/get-into-uc/admissions-programs/professional-pathway-entry

Assumed knowledge

Proficiency in using computers.

Periods course is open for new admissions

Year	Location	Teaching period	Teaching start date	Domestic	International
2027	Bruce, Canberra	Semester 1	15 February 2027	✓	✓
2027	Bruce, Canberra	Semester 2	09 August 2027	✓	✓
2028	Bruce, Canberra	Semester 1	14 February 2028	✓	✓
2028	Bruce, Canberra	Semester 2	07 August 2028	✓	✓

Credit arrangements

A credit transfer arrangement is available for this course for the following institutions:

Henan University Of Engineering

B Computer Science and Technology OR Software Engineering OR Data Science (HUE) + ITB101 (UC) (34669)

Course requirements

Master of Information Technology and Systems (973AA) | 48 credit points

Expand All | Collapse All

Required - Must pass 30 credit points as follows

Professional Practice in IT G (6676) | 3 credit points — Level G

Systems Analysis and Modelling G (6677) | 3 credit points — Level G

Introduction to Information Technology G (8936) | 3 credit points — Level G

Technology and Engineering Management PG (9784) | 3 credit points — Level P

Contemporary IT & E Issues PG (9787) | 3 credit points — Level P

Technology Capstone Research Project PG (11522) | 6 credit points — Level P

Technological Innovation and Entrepreneurship G (11530) | 3 credit points — Level G

Introduction to Cyber Security G (11941) | 3 credit points — Level G

ICT and Engineering Research Methodology PG (12090) | 3 credit points — Level P

Award Options - Must select 1 of the following

No Specialisation - 18 credit points as follows

- "12233 Advances in Science, Technology, and Engineering Research PG" with an individual research project aligned with their future research interest

- 9 credit point of ITS units at G or PG level

- 9 credit point of ITS units at PG level

Cybersecurity specialisation - 18 credit points as follows

Information Security PG (6682) | 3 credit points — Level P

Introduction to Digital Forensics G (9075) | 3 credit points — Level G

System and Network Administration PG (11515) | 3 credit points — Level P

Advanced Cyber Security PG (11940) | 3 credit points — Level P

Principles of Modern Cyber Attacks and Defence G (12129) | 3 credit points — Level G

Digital Infrastructure Security G (12131) | 3 credit points — Level G

AI & Machine Learning specialisation - 18 credit points as follows

Designing Human-Computer Interaction G (6673) | 3 credit points — Level G

Artificial Intelligence Techniques PG (6685) | 3 credit points — Level P

Soft Computing PG (7197) | 3 credit points — Level P

Computer Vision and Image Analysis PG (8890) | 3 credit points — Level P

Software Technology 1 G (8995) | 3 credit points — Level G

Pattern Recognition and Machine Learning PG (11512) | 3 credit points — Level P

Cloud Computing and IoT specialisation - 18 credit points as follows

Introduction to Network Engineering G (10088) | 3 credit points — Level G

Introduction to Computer Engineering G (10096) | 3 credit points — Level G

Network Architecture PG (10099) | 3 credit points — Level P

Enterprise and Cloud Computing PG (11510) | 3 credit points — Level P

Internet of Things PG (11513) | 3 credit points — Level P

Cloud Computing Architecture PG (11527) | 3 credit points — Level P

Data Science specialisation - 18 credit points as follows

Introduction to Statistics G (6554) | 3 credit points — Level G

Data Analytics and Business Intelligence PG (8697) | 3 credit points — Level P

Introduction to Data Science G (11516) | 3 credit points — Level G

Programming for Data Science G (11521) | 3 credit points — Level G

Data Science Technology and Systems PG (11523) | 3 credit points — Level P

AR/VR for Data Analysis and Communication PG (11524) | 3 credit points — Level P

In addition to course requirements, in order to successfully complete your course you must meet the inherent requirements. Please refer to the inherent requirements statement applicable to your course

Typical study pattern

Course information

Course duration

Standard 2 years full time or part-time equivalent. Maximum 6 years from date of enrolment to date of course completion.

Learning outcomes

Learning outcomes	Related graduate attributes
Justify theoretical conclusions with independent judgment and integrate specialised skills to systematically	

implement and test sustainable solutions to real-world problems.	
Analyse complex problems using critical thinking to deconstruct and consolidate information and concepts.	
Communicate advanced knowledge and ideas effectively across multimodal literacies and specific and non-specific audiences.	
Contextualise challenges and formalise solutions to real-world problems with innovation mindset using in-depth knowledge of Information Technology principles and ICT core body of knowledge.	
Exemplify professional attributes that satisfy various working contexts and ethical, legal and industry challenges.	
Exhibit respectful working relationships, applying principles of teamwork, cultural awareness and informed perspectives.	
Employ established frameworks and methodologies to undertake research, considering ethical, legal and industry challenges.	

Awards

Award	Official abbreviation
Master of Information Technology and Systems	MIT&Sys
Master of Information Technology and Systems in Cybersecurity	MITS Cybersecurity
Master of Information Technology and Systems in Data Science	MITS DataSc
Master of Information Technology and Systems in Cloud Computing	MITS CloudComp
Master of Information Technology and Systems in AI and Machine Learning	MITS AI&MachineLrng
Master of Information Technology and Systems in Cloud Computing and IoT	MITS CloudCompIoT

Alternative exits

Alternative Exits:

Graduate Certificate in Information Technology - Must have passed 9 credit points as follows:

Professional Practice in IT G

Systems Analysis and Modelling G

Introduction to Information Technology G

AND

3 credit points from:

Security and Support in IT G

Software Technology 1 G

Introduction to Network Engineering G

Introduction to Data Science G

Introduction to Cyber Safety G.

Graduate Diploma in Information Technology - Must have passed 24 credit points of Information Technology and Systems units at G or PG Level including:

Professional Practice in IT G

Systems Analysis and Modelling G

Introduction to Information Technology G

Security and Support in IT G

Technological Innovation and Entrepreneurship G

AND with at least 3 credit points at PG Level.

Enquiries

Student category	Contact details
Current and Commencing Students	In person, Student Centre Building 1 or Email Student.Centre@canberra.edu.au
Prospective International Students	Email international@canberra.edu.au or Phone +61 2 6201 5342
Prospective Domestic Students	Email study@canberra.edu.au or Phone 1800 UNI CAN (1800 864 226)

Download your course guide

Scholarships

Find the scholarship that's the right fit for you

Explore Scholarships

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CRICOS 00212K

TEQSA Provider ID: PRV12003 (Australian University)

UC acknowledges the Ngunnawal people, traditional custodians of the lands where Bruce campus is situated. We wish to acknowledge and respect their continuing culture and the contribution they make to the life of Canberra and the region. We also acknowledge all other First Nations Peoples on whose lands we gather.