

Bachelor of Information Technology (322A A.9)

Please note these are the 2024 details for this course

Domestic students

Selection rank 60
Note:

[View UC's academic entry requirements](#)

Delivery mode On campus

Location Bruce, Canberra

Duration 3.0 years

Faculty Faculty of Science and Technology

Discipline Academic Program Area - Technology

CRICOS code 019936G

English language requirements An IELTS Academic score of 6.0 overall, with no band score below 6.0 (or equivalent).

[View IELTS equivalences](#)

About this course

Make IT happen with a degree from UC

If you have a passion for information technology (IT) and are keen to learn the high-tech skills to establish a career comfortably navigating an increasingly digitised world, then the UC Bachelor of Information Technology is the perfect course for you.

This course is highly expansive course, covering both the technology and business sides of IT, and as part of your studies you'll explore and learn relevant IT theories and principles that underpin the IT industry.

Areas of study include business and information systems, system analysis and modelling, system administration, security, networking and software development which will give you the perfect platform from which to move seamlessly into a wide range of career specialisations.

This course is accredited by the Australian Computer Society [ACSI](#).

- gain extensive experience in developing information technology systems designed to address the needs of modern organisations
- develop knowledge, skills and understanding of the application of IT systems to their business environments, policies and management
- explore the technical and human aspects of IT and its use
- establish a comprehensive network of industry contacts
- refine your teamwork, project management and communication skills
- earn a globally recognised degree.

Work Integrated Learning (WIL)

Work-integrated learning (WIL) is an integral component of the Bachelor of Information Technology journey as it gives students the opportunity to gain valuable hands-on experience and build professional relationships through real work, or work-like placements.

This, in turn, enhances each student's confidence, employability and reinforces the university's commitment to preparing professional and highly employable graduates with the right mix of skills, knowledge, and experience.

As part of this approach UC fosters close industry connections who offer preferential access to work placement positions and training opportunities with companies such as Dialog Information Technology, Pursuit Technology, CycleLifeHQ, Birdsnest, Australian Sports Commission, Agsafe, Kiah Consulting, ALLBIDS, ThoughtPatterns Consulting, ESKAPEE, Carers ACT, the Department of Defence's Chief Information Officer Group, Emanate Technology, Getaboutable.com and Clearz Defence.

In your final year, you'll also have the chance to complete a real-world industry capstone project while working in teams to produce and implement an IT system for a local business, government or community organisation.

Career opportunities

The UC Bachelor of Information Technology is a globally recognised qualification that will help you progress into any of the following career pathways including:

- Cloud computing architect
- ICT project manager
- Data analyst
- Mobile apps developer
- Cybersecurity specialist
- Cybersecurity operations manager
- Big data engineer
- Big data architect
- Data scientist
- Business intelligence specialist
- Service desk manager
- System administrator
- Cloud computing architect
- IoT engineer, developer or designer

- Artificial Intelligence practitioner
- Machine learning engineer
- Robotics specialist.

Course-specific information

This course is accredited by the Australian Computer Society (ACS) at the Professional level.

Join our Information Technology webinar

Get the inside scoop on UC's IT & Software Engineering programs, at an upcoming course information webinar. Connect with faculty staff, chat with a current student and learn how the degree can pave the way to a range of rewarding careers.

Register now

Professional accreditation

This course is accredited by the professional body, the Australian Computer Society, at the Professional level.

Admission requirements

Admission to this course is based on an entrance rank. A rank can be achieved by the following means:

- Year 12 ATAR
- other Australian Qualification
- work experience
- overseas qualification

We also offer a number of entry initiatives that give you the opportunity to gain entry to the University via alternate pathway programs and admissions schemes.

More information is available on our Alternative Entry page: <http://www.canberra.edu.au/future-students/applications/apply-now/alternative-entry>

Assumed knowledge

Basic knowledge and skills in ICT (Information and Communication Technology); Basic numeracy and literacy skills.

Periods course is open for new admissions



2024	Bruce, Canberra	Winter Term	27 May 2024	
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2024 Bruce, Canberra Semester 2 29 July 2024

Required - Must pass 21 credit points as follows

Introduction to Information Technology (4478) | 3 credit points — Level 1

Database Design (5915) | 3 credit points — Level 1

Professional Practice in IT (7722) | 3 credit points — Level 1

Information & Communication Technology Project (9785) | 6 credit points — Level 3

Technological Innovation and Entrepreneurship (11408) | 3 credit points — Level 2

Systems Analysis and Modelling (11486) | 3 credit points — Level 1

- Effective from 1/7/21 the unit code for Information Security has changed from 11487 to 11759.

Restricted Choice - Must select 1 of the following

Option 1 - Must pass 24 credit points from the following

Introduction to Cyber Security (11906) | 3 credit points — Level 1

Note:

- From Semester 2 2023, 11906 Introduction to Cyber Security replaces 11488 Security and Support in IT

Specialist Major in Data Science (SM0057) | 24 credit points

Required - Must pass 15 credit points as follows

Introduction to Statistics (6540) | 3 credit points — Level 1

Data Analytics and Business Intelligence (8696) | 3 credit points — Level 3

Introduction to Data Science (11372) | 3 credit points — Level 3

Exploratory Data Analysis and Visualisation (11374) | 3 credit points — Level 3

Restricted Choice - Must pass 9 credit points from the following

Part A - Must pass 3 credit points from the following

- Any unit from the School of ITS

[Enterprise and Cloud Computing \(9281\) | 3 credit points — Level 3](#)

Note:

- Students in 322A BIT can choose any unit from the School of ITS
 - Students in 706AA BBI, 560AA BSE, or 838AA BSE/BBI must choose 9281 Enterprise and Cloud Computing
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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

UC - Canberra, Bruce

Standard Full Time, Semester 1 Commencing

Year 1

Semester 1

[Database Design \(5915\)](#)

[Yoterj s](#)

[Software Systems Architecture \(11491\)](#)

Year 4

Semester 1

[Information & Communication Technology Project \(9785\)](#)

Restricted Choice unit

[Information Security \(11759\)](#)

Course information

Course duration

Standard six semesters full-time or equivalent. Maximum twenty semesters.

Learning outcomes

Learning outcomes	Related graduate attributes
<p>Formulate, appraise, and implement ICT solutions under the context of social and economic constraints, legal and ethical issues, risk and benefit balance, technology availability and stakeholders' acceptance,</p>	

Examine and determine the available general ICT capabilities to design solutions to complex ICT problems.

UC graduates are professional: Employ up-to-date and relevant knowledge and skills; communicate effectively; use creativity, critical thinking, analysis and research skills to solve theoretical and real-world problems; and display initiative and drive, and use their organisational skills to plan and manage their workload.

UC graduates are global citizens: Think globally about issues in their profession; adopt an informed and balanced approach across professional and international boundaries; make creative use of technology in their learning and professional lives; and behave ethically and sustainably in their professional and personal lives.

UC graduates are lifelong learners: Reflect on their own practice, updating and adapting their knowledge and skills for continual professional and academic development; adapt to complexity, ambiguity and change by being flexible and keen to engage with new ideas; and evaluate and adopt new technology.

Demonstrate a good command of balanced General ICT Knowledge (information and communication technology) prescribed in ACS CBOK (Australian Computer Society, Core Body of Knowledge), with a focus on applying Technical Resources ranging from the business side to the technical side of ICT.

UC graduates are professional: Work collaboratively as part of a team, negotiate, and resolve conflict; and take pride in their professional and personal integrity.

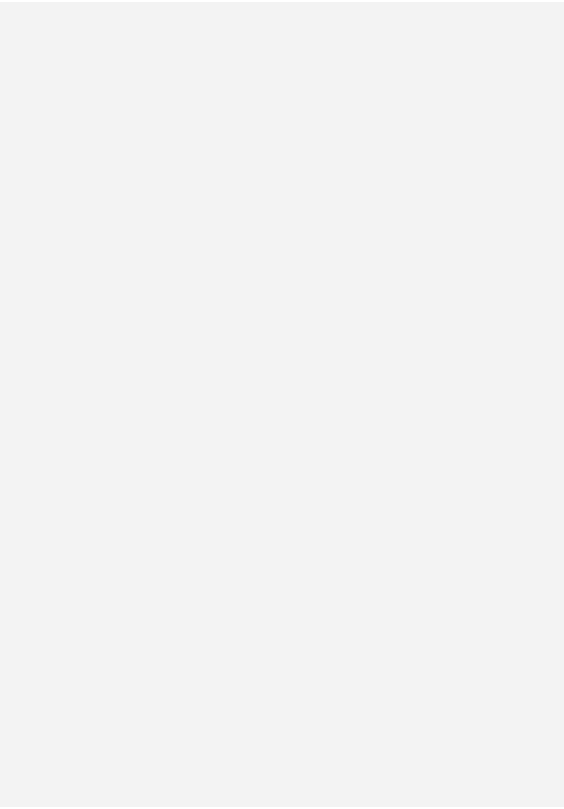
Explain and practice ICT profession, including professional ethics, professional expectations, and professional knowledge and skills.

UC graduates are professional: Employ up-to-date and relevant knowledge and skills; communicate effectively; work collaboratively as part of a team, negotiate, and resolve conflict; display initiative and drive, and use their organisational skills to plan and manage their workload; and take pride in their professional and personal integrity.

UC graduates are global citizens: Think globally about issues in their profession; understand issues in their profession from the perspective of other cultures; communicate effectively in diverse cultural and social settings; make creative use of technology in their learning and professional lives; and behave ethically and sustainably in their professional and personal lives.

UC graduates are lifelong learners: Be self-aware; and adapt to

complexity, ambiguity and change by being flexible and keen to engage with new ideas.



Enquiries

Student category	Contact details
Prospective Domestic Students	

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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.