UNIVERSITY OF CANBERRA

Bachelor of Business Informatics (706AA.9)

Please note these are the 2024 details for this course

Domestic students

Selection rank	60 **Note:** The selection rank is the minimum ATAR plus adjustment factors required for admission to the program in the previous year. This is an indicative guide only as ranks change each year depending on demand.
Delivery mode	On campus
Location	Bruce, Canberra
Duration	3.0 years
Faculty	Faculty of Science and Technology
Discipline	Academic Program Area - Technology
UAC code	366003
English language requirements	An IELTS Academic score of 6.0 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	3.0 years
Faculty	Faculty of Science and Technology
Discipline	Academic Program Area - Technology
CRICOS code	049490F
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 information and communications technology your business

If you enjoy IT but prefer the science of data management and building innovative systems designed to streamline and maximise productivity, then UC's Bachelor of Business Informatics is the perfect course to teach you how.

Accredited by the Australian Computer Society, UC's Bachelor of Business Informatics is an interdisciplinary degree providing a bridge between the areas of business and information technology.

In this course you will learn how to critically analyse complex systems and if required, completely design or redesign robust management systems, in order to meet the specific needs of a business.

Your study will set you on the path to becoming an invaluable information and communications technology professional, with further postgraduate study available in advanced or related fields.

This course also has one of the best graduate outcomes in Australia and experiences an exceptionally high demand for graduates, especially from within the government sector, due to its location in Canberra.

This course allows you to future-proof your career by offering the option to specialise in Cloud Computing and the Internet of Things,

Cybersecurity and System Administration or Data Science.

Study a Bachelor of Business Informatics at UC and you will:

- achieve comprehensive insight into engineering aspects of computer science
- study the current programming languages at an intensive level
- be able to analyse and build complex integrated management systems
- understand the methodology of software systems engineering using analysis and specification methods such as UML, XML, structured and soft systems methodologies
- learn to design and build systems and software using specialist engineering tools
- work within modern development environments that include Windows, Linux, mobile and cloud computing
- gain high-level awareness of professional ethics, responsibilities, values and standard.
- graduate with an internationally recognised qualification
- be in high demand

Work Integrated Learning (WIL)

Work-integrated learning (WIL) is an integral component of the UC Bachelor of Business Informatics 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 help support your personal and professional development, UC encourages direct learning and networking via guest lecturers, expert industry-based tutors and working with a comprehensive focus on practical scenarios and case studies in your coursework.

This course also offers numerous opportunities to put your interdisciplinary knowledge and theories into practice through internships and cadetships with organisations such as PricewaterhouseCoopers (PwC), Fujitsu Australia, Birdsnest, the University of Canberra, and more.

In your final year you will also get to undertake a group project where you will be tasked and assessed on researching and analysing an existing IT issue and then building and developing a real-world IT strategy designed to improve the overall performance within a business.

Career opportunities

UC's Bachelor of Business Informatics is a globally recognised and industry respected qualification that is currently in very high demand in Canberra and around Australia. As a result, once you graduate you should be able to confidently transition into any one of the following careers:

- IT security analyst
- Business analyst
- Systems architect
- IT project manager
- Information analyst
- Data scientist
- Digital systems architect
- Cloud computing architect
- IoT engineer, developer or designer

- Cybersecurity specialist
- Service desk manager
- System administrator
- Cybersecurity operations manager
- Big data engineer
- Big data architect
- Data scientist
- Business intelligence specialist

Course-specific information

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

High-achieving students may be eligible to enrol in Honours in Information Sciences, and there are clear pathways from this course to the Master of Information Sciences (Research) and other postgraduate degrees.

Professional accreditation

This course is accredited with 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

Year	Location	Teaching period	Teaching start date	Domestic	International

2024	Bruce, Canberra	Semester 1	05 February 2024	✓	✓
2024	Bruce, Canberra	Semester 2	29 July 2024	✓	✓
2025	Bruce, Canberra	Semester 1	03 February 2025	✓	✓
2025	Bruce, Canberra	Semester 2	28 July 2025	✓	✓
2026	Bruce, Canberra	Semester 1	02 February 2026	✓	✓
2026	Bruce, Canberra	Semester 2	27 July 2026	✓	✓

Credit arrangements

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

Melbourne College Of Advanced Studies

- Bachelor Qualifying Program (BQP) Business Course (Completion of one semester's study) (31844)
- Bachelor Qualifying Program (BQP) Business Course (Completion of two semester's study) (31825)
- Bachelor Qualifying Program (BQP) Engineering Course (Completion of one semester's study) (31924)
- Bachelor Qualifying Program (BQP) Engineering Course (Completion of two semesters's study) (31906)
- Bachelor Qualifying Program (BQP) Science-IT Course (completion of one semester's study) (31945)
- Bachelor Qualifying program (BQP) Science-IT Course (completion of two semester's study) (32044)

University Of Canberra College

- Diploma of Information Technology (31704)

Course requirements

Bachelor of Business Informatics (706AA) | 72 credit points

Expand All | Collapse All

Required - Must pass 48 credit points as follows

Core Major in Information Technology and Systems (CM0018) | 24 credit points

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

Restricted Choice - Must pass 3 credit points from the following

Information Systems in Organisations (6348) | 3 credit points — Level 1

Introduction to Network Engineering (11485) | 3 credit points — Level 1

Note:

- 1. Students in the 322AA BIT, 560AA BSE or ITB101 BET courses must choose 11485 Introduction to Network Engineering.
- 2. Students in the 706AA BBI course must choose 6348 Information Systems in Organisations.
- 3. Students in the 838AA BSE/BBI combined course must do both 11485 Intro to Network Engineering AND 6348 Info Systems in Organisations. The extra cps will count towards the chosen Specialist Major.

Specialist Major in Business Informatics (SM0060) | 24 credit points

Required - Must pass 21 credit points as follows

Designing Human-Computer Interaction (6389) | 3 credit points — Level 2

Business Intelligence Systems (7156) | 3 credit points — Level 3

Systems Project and Quality Management (7173) | 3 credit points — Level 3

Corporate Strategy and IT Governance (9276) | 3 credit points — Level 3

Enterprise Systems (11366) | 3 credit points — Level 1

Workflow and Process Management (11481) | 3 credit points — Level 2

Social Informatics (11490) | 3 credit points — Level 1

Restricted Choice - Must pass 3 credit points from the following

Information Security (11487) | 3 credit points — Level 2

Information Security (11759) | 3 credit points — Level 3

Note:

- 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

Specialist Major in Cybersecurity and System Administration (SM0056) | 24 credit points

Required - Must pass 9 credit points as follows

Introduction to Digital Forensics (9074) | 3 credit points — Level 2

Network Architecture (11484) | 3 credit points — Level 3

System and Network Administration (11514) | 3 credit points — Level 3

Restricted Choice - 15 credit points as follows

Part A - Must pass 3 credit points from the following

Software Technology 1 (4483) | 3 credit points — Level 1

Contemporary IT & E Issues (9788) | 3 credit points — Level 3

Information Security (11759) | 3 credit points — Level 3

Note:

- 1. Students in the 706AA BBI course must choose 4483 Software Technology 1.
- 2. Students in the 322AA BIT or 838AA BSE/BBI courses must choose 9788 Contemporary IT & E Issues.
- 3. Students in the 560AA BSE course must choose 11759 Information Security (or previous unit code 11487).

Part B - Must pass 3 credit points from the following

- Any unit from the School of Information Technology & Systems.

Introduction to Network Engineering (11485) | 3 credit points — Level 1

Note:

- 1. Students in the 706AA BBI or 838AA BSE/BBI courses must choose 11485 Introduction to Network Engineering.

Part C - Must pass 3 credit points from the following

- Any Undergraduate Level 3 unit from the School of Information Technology & Systems.

Part D - Must pass 3 credit points from the following

Computer and Network Security (8019) | 3 credit points — Level 3

Advanced Cyber Security (11907) | 3 credit points — Level 3

Note:

- From Semester 2 2023, 11907 Advanced Cyber Security replaces 8019 Computer and Network Security

Part E - Must pass 3 credit points from the following

Security and Support in IT (11488) | 3 credit points — Level 1

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

Pattern Recognition and Machine Learning (11482) | 3 credit points — Level 3

Restricted Choice - Must pass 9 credit points from the following

- any units offered by the School of Information Technology & Systems, with at least 3 credit points at Advanced (3) level, including the following units:

Information Sciences Internship (7899) | 3 credit points — Level 3

Information Sciences Internship (Extended) (10152) | 3 credit points — Level 3

AR/VR for Data Analysis and Communication (11464) | 3 credit points — Level 3

Advances in Information Sciences and Engineering (11480) | 3 credit points — Level 3

Note:

- Restricted Choice units should be chosen to either meet the prerequisites of the units in the Major or to complement Major units for a better learning outcome.

Specialist Major in Cloud Computing and IoT (SM0055) | 24 credit points

Required - Must pass 15 credit points as follows

Contemporary IT & E Issues (9788) | 3 credit points — Level 3

Cloud Computing Architecture (11368) | 3 credit points — Level 3

Foundations of Robotics (11370) | 3 credit points — Level 2

Internet of Things (11511) | 3 credit points — Level 3

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

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

Part B - Must pass 3 credit points from the following

- Any unit from the School of ITS

Introduction to Network Engineering (11485) | 3 credit points — Level 1

Note:

- Students in 322A BIT or 706AA BSE can choose any unit from the School of ITS
- Students in 706AA BBI or 838AA BSE/BBI must choose 11485 Introduction to Network Engineering

Part C - Must pass 3 credit points as follows

- Any Undergraduate Level 3 unit from the School of ITS

Law, Innovation and Technologies (11271) | 3 credit points — Level 3

Note:

- For this Major only, students may also choose unit 11271 Law, Innovation & Technologies (offered by Faculty of Business, Government & Law) for this restricted choice unit.

Option 2 - 24 credit points as follows

- Must pass 24 credit points from anywhere in the University as a breadth major, a breadth minor and/or as individual units.

Individual units may only count towards one major. Only 3 majors can be completed in this course, including core, specialist and breadth majors.

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)

Enterprise Systems (11366)

Introduction to Information Technology (4478)

Professional Practice in IT (7722)

Semester 2

Information Systems in Organisations (6348)

Social Informatics (11490)

Systems Analysis and Modelling (11486)

Technological Innovation and Entrepreneurship (11408)

Year 2

Semester 1

Designing Human-Computer Interaction (6389)

Workflow and Process Management (11481)

Two Restricted Choice units

Semester 2

Systems Project and Quality Management (7173)

Three Restricted Choice units

Year 3

Semester 1

Business Intelligence Systems (7156)

Two Restricted Choice units

Information Security (11759)

Semester 2

Corporate Strategy and IT Governance (9276)

Restricted Choice unit

Information & Communication Technology Project (9785)

Standard Full Time, Semester 2 Commencing

Year 1

Semester 2

Information Systems in Organisations (6348)

Introduction to Information Technology (4478)

Professional Practice in IT (7722)

Social Informatics (11490)

Year 2

Semester 1

Database Design (5915)

Enterprise Systems (11366)

Systems Analysis and Modelling (11486)

Technological Innovation and Entrepreneurship (11408)

Semester 2

Three Restricted Choice units

Systems Project and Quality Management (7173)

Year 3

Semester 1

Designing Human-Computer Interaction (6389)

Workflow and Process Management (11481)

Two Restricted Choice units

Semester 2

Corporate Strategy and IT Governance (9276)

Three Restricted Choice units

Year 4

Semester 1

Business Intelligence Systems (7156)

Information & Communication Technology Project (9785)

Information Security (11759)

Course information

Course duration

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

Learning outcomes

Learning outcomes	Related graduate attributes
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, and the professional standards of the industry etc.	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; 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; adopt an informed and balanced approach across professional and international boundaries; 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: Reflect on their own practice, updating and adapting their knowledge and skills for continual professional and academic development; be self-aware; adapt to complexity, ambiguity and change by being flexible and keen to engage with new ideas; and evaluate and adopt new technology.
Develop the specialised knowledge and skills of business informatics, including business, information systems, system analysis and modelling, system administration, security, networking, software development, and data analytics etc.	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.
Evaluate, formulate, and criticise solutions to communicate and interpret information systems programs to technical and non-technical stakeholders.	UC graduates are professional: Employ up-to-date and relevant knowledge and skills; and work collaboratively as part of a team, negotiate, and resolve conflict.
Demonstrate a good command of core ICT Knowledge (information and communication technology) prescribed in ACS CBOK (Australian Computer Society, Core Body of Knowledge), with a focus on ICT Management 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, team work skills, communication skills, societal issues,	UC graduates are professional: Employ up-to-date and relevant knowledge and skills; communicate effectively; work collaboratively as part of a team,

legal issues, and privacy issues etc.	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.

Majors

- Core Major in Information Technology and Systems (CM0018)
- Specialist Major in Business Informatics (SM0060)
- Specialist Major in Data Science (SM0057)
- Specialist Major in Cloud Computing and IoT (SM0055)
- Specialist Major in Cybersecurity and System Administration (SM0056)

Awards

Award	Official abbreviation
Bachelor of Business Informatics	B BusInformatics

Honours

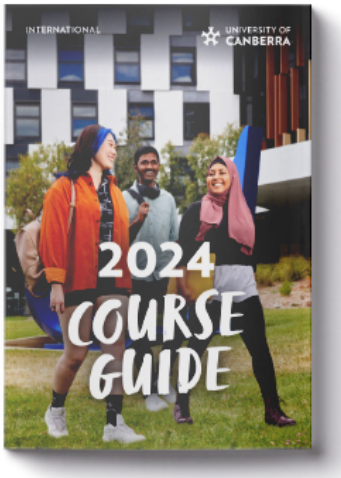
Students may be eligible to enrol in a one-year honours program after completion of their Bachelor of Business Informatics degree, based on their GPA, within ITS program in the Faculty of Science and Technology.

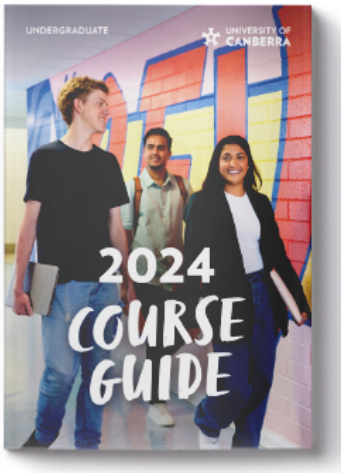
Enquiries

Student category	Contact details
Prospective Domestic Students	Email study@canberra.edu.au or Phone 1800 UNI CAN (1800 864 226)
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

Download your course guide





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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.