

# Bachelor of Business Informatics (706AA.8)

Please note these are the 2022 details for this course

## Domestic students

|                |  |
|----------------|--|
| Selection rank | 60   |
|                | <b>Note:</b><br>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. |

|                               |  |
|-------------------------------|--|
| English language requirements | An IELTS Academic score of 6.0 overall, with no band score below 6.0 (or equivalent).<br><a href="#">View IELTS equivalences</a> |
|-------------------------------|--|

|          |           |
|----------|-----------|
| Duration | 3.0 years |
|----------|-----------|

|          |        |
|----------|--------|
| UAC code | 366003 |
|----------|--------|

|         |                                   |
|---------|-----------------------------------|
| Faculty | Faculty of Science and Technology |
|---------|-----------------------------------|

|            |                                    |
|------------|------------------------------------|
| Discipline | Academic Program Area - Technology |
|------------|------------------------------------|

|          |                      |
|----------|----------------------|
| Location | UC - Canberra, Bruce |
|----------|----------------------|

Fees 

|          |           |             |
|----------|-----------|-------------|
| Per Unit | Per Annum | Full Course |
|----------|-----------|-------------|

## International students

|                             |  |
|-----------------------------|--|
| Academic entry requirements | To study at UC, you'll need to meet our academic entry requirements and any admission requirements |
|-----------------------------|--|

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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](#)

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

[View IELTS equivalences](#)

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**CRICOS code** 049490F

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**Faculty** Faculty of Science and Technology

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**Discipline** Academic Program Area - Technology

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**Location** UC - Canberra, Bruce

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**Duration** 3.0 years

Fees 

Per Unit

Per Annum

Full Course

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# 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
- Chief information officer
- 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 |
|------|----------------------|-----------------|---------------------|----------|---------------|
| 2023 | UC - Canberra, Bruce | Semester 1      | 06 February 2023    | ✓        | ✓             |
| 2023 | UC - Canberra, Bruce | Semester 2      | 31 July 2023        | ✓        | ✓             |
| 2024 | UC - Canberra, Bruce | Semester 1      | 05 February 2024    | ✓        | ✓             |
| 2024 | UC - Canberra, Bruce | Semester 2      | 29 July 2024        | ✓        | ✓             |
| 2025 | UC - Canberra, Bruce | Semester 1      | 03 February 2025    | ✓        | ✓             |
| 2025 | UC - Canberra, Bruce | Semester 2      | 28 July 2025        | ✓        | ✓             |
| 2026 | UC - Canberra, Bruce | Semester 1      | 02 February 2026    | ✓        | ✓             |
| 2026 | UC - Canberra, Bruce | Semester 2      | 27 July 2026        | ✓        | ✓             |

## Credit arrangements

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

### Chandigarh University

[Bachelor of Computer Applications \(27373\)](#)

### Melbourne College Of Advanced Studies

[Bachelor Qualifying Program \(BQP\) Business Course \(Completion of one semester's study\) \(26373\)](#)

[Bachelor Qualifying Program \(BQP\) Business Course \(Completion of two semester's study\) \(25993\)](#)

[Bachelor Qualifying Program \(BQP\) Engineering Course \(26234\)](#)

[Bachelor Qualifying Program \(BQP\) Engineering Course \(Completion of 1st Semester\) \(26756\)](#)

[Bachelor Qualifying Program \(BQP\) Science-IT Course \(Completion of 1st Semester\) \(26795\)](#)

[Bachelor Qualifying program \(BQP\) Science-IT Course \(26253\)](#)

### Nims College

[Bachelor of Arts in Computer Application at NIMS Tribhuvan University \(24292\)](#)

Other Australian Tafe

[Any Australian Diploma \(AQF5\) \(27433\)](#)

# Course requirements

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

**Required - Must pass 48 credit points as follows**

[Expand All](#) | [Collapse All](#)

**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 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

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

Internet of Things (11511) | 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

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

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

Note:

1. 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.
2. Exclusive to this Major only, students may also choose unit 11271 Law, Innovation &

Technologies (offered by Faculty of Business, Government & Law) as one of the Restricted Choices units.

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

### **Required - Must pass 15 credit points as follows**

[Computer and Network Security \(8019\) | 3 credit points – Level 3](#)

[Introduction to Digital Forensics \(9074\) | 3 credit points – Level 2](#)

[Network Architecture \(11484\) | 3 credit points – Level 3](#)

[Security and Support in IT \(11488\) | 3 credit points – Level 1](#)

[System and Network Administration \(11514\) | 3 credit points – Level 3](#)

### **Restricted Choice - 9 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 should choose 4483 Software Technology 1.
- 2. Students in the 322AA BIT or 838AA BSE/BBI courses should choose 9788 Contemporary IT & E Issues.
- 3. Students in the 560AA BSE course should 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 should 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.

## 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.

### 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

Two Restricted Choice units

[Designing Human-Computer Interaction \(6389\)](#)

[Workflow and Process Management \(11481\)](#)

### Semester 2

Three Restricted Choice units

[Systems Project and Quality Management \(7173\)](#)

## Year 3

### Semester 1

Two Restricted Choice units

[Business Intelligence Systems \(7156\)](#)

[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

Three Restricted Choice units

[Corporate Strategy and IT Governance \(9276\)](#)

### 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   |
|---|---|
| <p>Explain and practice ICT profession, including professional ethics, professional expectations, team work skills, communication skills, societal issues, legal issues, and privacy issues etc.</p>  | <p>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.</p> <p>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.</p> <p>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.</p> |
| <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, and the professional standards of the industry etc.</p> | <p>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.</p> <p>UC graduates are global citizens: Think globally about issues in their profession; adopt an informed and balanced approach across professional</p>   |

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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.

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.

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.

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.

## Majors

- [Core Major in Information Technology and Systems \(CM0018\)](#)
- [Specialist Major in Business Informatics \(SM0060\)](#)
- [Specialist Major in Cloud Computing and IoT \(SM0055\)](#)
- [Specialist Major in Data Science \(SM0057\)](#)
- [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 <a href="mailto:study@canberra.edu.au">study@canberra.edu.au</a> or Phone 1800 UNI CAN (1800 864 226)                       |
| Prospective International Students | Email <a href="mailto:international@canberra.edu.au">international@canberra.edu.au</a> or Phone +61 2 6201 5342                   |
| Current and Commencing Students    | In person, Student Centre Building 1 or Email: <a href="mailto:Student.Centre@canberra.edu.au">Student.Centre@canberra.edu.au</a> |

## 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.