



Bachelor of Information Technology (322AA.6)

Please note these are the 2016 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.

English language requirements

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

[View IELTS equivalences](#)

Duration 3.0 years

UAC code

Faculty Faculty of Science and Technology

Discipline Academic Program Area - Technology

Location

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](#)

English language requirements

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

[View IELTS equivalences](#)

CRICOS code 019936G

Faculty Faculty of Science and Technology

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

Location	
----------	--

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

About this course

Your comprehensive start to the cutting-edge world of IT

Do you have a passion for information technology (IT)? Want to enrich your career prospects across a wide range of industries? Our Bachelor of Information Technology is your pathway to the cutting edge of development in the information technology (IT) industry and a flexible and stimulating future.

Study the Bachelor of Information Technology at UC and you will:

- gain extensive experience in developing information technology to address the needs of modern organisations
- cover relevant theories and the principles in IT fields, including; business, information systems, system analysis and modelling, system administration, security, networking, software development, and artificial intelligence
- develop knowledge, skills, 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.
- refine your teamwork, project management and communication skills

Work integrated learning

In your final year you will have the chance to complete a team project, producing and implementing an IT system for a local business, government or community organisation.

Career opportunities

- Developer of IT-based systems
- Equipment and software supplier
- Specialist consulting groups

Course specific information

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

Professional accreditation

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

Admission requirements

Normal UC requirements for admission to an undergraduate course.

Additional admission requirements

UC Melbourne and UC Sydney Applicants only: This course is taught from the 2nd year. To commence, all students must be eligible for at least 1 year (24 credit points) of advanced standing.

Assumed knowledge

ACT: Mathematical Methods. NSW: Mathematics

Periods course is open for new admissions

This course is not open for new admissions.

Credit arrangements

There are currently no formal credit transfer arrangements for entry to this course. Any previous study or work experience will only be considered as part of the application process in accordance with current [course rules and university policy](#). Credit is not permitted towards completion of a graduate certificate.

Course requirements

Bachelor of Information Technology (322AA) | 72 credit points

Required - 51 credit points as follows

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

Major in Software Engineering (BIT) (Restricted) (MJ0107) | 18 or 21 credit points

For the 21cp Major - 21 credit points as follows

Required - Must pass 12 credit points as follows

[Introduction to Information Technology \(4478\)](#) | 3 credit points – Level 1

[Software Technology 1 \(4483\)](#) | 3 credit points – Level 1

[Web Design and Programming \(7175\)](#) | 3 credit points – Level 2

[Software Systems Architecture \(8745\)](#) | 3 credit points – Level 2

Restricted Choice - 9 credit points as follows

Part A - Must pass 3 credit points from the following

[Object Oriented Software Design \(7165\)](#) | 3 credit points – Level 3

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

Part B - Must pass 3 credit points from the following

[Mathematical Methods \(577\)](#) | 3 credit points – Level 1

[Discrete Mathematics \(6698\)](#) | 3 credit points – Level 1

Part C - Must pass 3 credit points from the following

[Software Technology 2 \(7170\)](#) | 3 credit points – Level 2

[Mobile Technologies \(8878\)](#) | 3 credit points – Level 2

For the 18cp Major - 18 credit points as follows

Required - Must pass 12 credit points as follows

[Introduction to Information Technology \(4478\)](#) | 3 credit points – Level 1

[Software Technology 1 \(4483\)](#) | 3 credit points – Level 1

[Web Design and Programming \(7175\)](#) | 3 credit points – Level 2

[Software Systems Architecture \(8745\)](#) | 3 credit points – Level 2

Restricted Choice - 6 credit points as follows

Part A - Must pass 3 credit points from the following

[Object Oriented Software Design \(7165\)](#) | 3 credit points – Level 3

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

Part C - Must pass 3 credit points from the following

[Software Technology 2 \(7170\)](#) | 3 credit points – Level 2

[Mobile Technologies \(8878\)](#) | 3 credit points – Level 2

Major in Information Systems (BIT) (Restricted) (MJ0057) | 18 credit points

Required - Must pass 15 credit points as follows

- Database Design (5915) | 3 credit points – Level 1
- Information Systems in Organisations (6348) | 3 credit points – Level 1
- Systems Analysis and Modelling (6365) | 3 credit points – Level 2
- Document and Workflow Management (6388) | 3 credit points – Level 3
- Systems Project and Quality Management (7173) | 3 credit points – Level 3

Note:

- From 2019 the unit code for 6365 Systems Analysis and Modelling has changed to 11486.

Restricted Choice - Must pass 3 credit points from the following

- Designing Human-Computer Interaction (6389) | 3 credit points – Level 2
- Corporate Strategy and IT Governance (9276) | 3 credit points – Level 3

Required Units - Must pass 12 credit points as follows

- Security and Support in IT (7167) | 3 credit points – Level 2
- Professional Practice in IT (7722) | 3 credit points – Level 1
- Information & Communication Technology Project (9785) | 6 credit points – Level 3

Restricted Choice - Must pass 9 credit points from the following

Computer Technologies and Network Security - May select from

- Information Security (7162) | 3 credit points – Level 3
- System Software (7171) | 3 credit points – Level 2
- Forensic Statistics (7904) | 3 credit points – Level 2
- Computer and Network Security (8019) | 3 credit points – Level 3
- Introduction to Network Engineering (8741) | 3 credit points – Level 2

Games Development - May select from

- Game Programming Techniques (7160) | 3 credit points – Level 3
- Soft Computing (7168) | 3 credit points – Level 3
- Visual and Interactive Computing (7174) | 3 credit points – Level 3
- Virtual Worlds Technology (8698) | 3 credit points – Level 3

Ubiquitous IT - May select from

- Wireless Networks (8227) | 3 credit points – Level 2
- Introduction to Network Engineering (8741) | 3 credit points – Level 2
- Mobile Technologies (8878) | 3 credit points – Level 2
- Enterprise and Cloud Computing (9281) | 3 credit points – Level 3
- Network Architecture (9428) | 3 credit points – Level 4

Big Data/Business Intelligence - May select from

- Introduction to Statistics (6540) | 3 credit points – Level 1
- Business Intelligence Systems (7156) | 3 credit points – Level 3
- Database Systems (7157) | 3 credit points – Level 3
- Knowledge Management Systems (8570) | 3 credit points – Level 3

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

Systems Management - May select from

Information Security (7162) | 3 credit points – Level 3

System Testing (7172) | 3 credit points – Level 3

Social Informatics (8571) | 3 credit points – Level 3

Systems Programme and Portfolio Management (8742) | 3 credit points – Level 3

Ethics in Information and Technology (9101) | 3 credit points – Level 3

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

Advanced Restricted Choice - May select from

Advances in Information Sciences 1 (7897) | 3 credit points – Level 3

Advances in Information Sciences 2 (7898) | 3 credit points – Level 3

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

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

Technology and Engineering Management (9789) | 3 credit points – Level 3

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

Note:

- These units can be counted toward any of the themes, provided that the content covered is appropriate for that particular theme.
- 1. Some units have prerequisites. If a student is planning to study a particular unit, the student should also plan to complete the prerequisite units beforehand.
- 2. In any semester, only a selection of these units is available.

Note:

- (May choose units from only one theme or from multiple themes)

Open Electives - 12 credit points as follows

- In choosing electives students should note that no more than 30 credit points at Level 1 is permitted for the entire course.

Note:

- Must pass 12 credit points from anywhere in the University, as a Minor or as individual units.

In addition to course requirements, in order to successfully complete your course you may need to 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)

Information Systems in Organisations (6348)

Introduction to Information Technology (4478)

Semester 2

Open Elective Unit

Discrete Mathematics (6698)

Professional Practice in IT (7722)

Open Elective Unit

Software Technology 1 (4483)

Year 2

Semester 1

Restricted Choice Unit

Open Elective Unit

MJ0057 Restricted Choice Unit

MJ0107 Part C Unit

Semester 2

Security and Support in IT (7167)

Systems Analysis and Modelling (6365)

Web Design and Programming (7175)

Open Elective Unit

Year 3

Semester 1

Document and Workflow Management (6388)

Systems Project and Quality Management (7173)

Restricted Choice Unit

7165 Object Orientated Software Design OR 8019 Computer
and Network Security

Semester 2

Information & Communication Technology Project (9785)

Software Systems Architecture (8745)

Restricted Choice Unit

Standard Full Time, Semester 2 Commencing

Year 1

Semester 2

Open Elective Unit

Database Design (5915)

Discrete Mathematics (6698)

Introduction to Information Technology (4478)

Year 2

Semester 1

Information Systems in Organisations (6348)

Professional Practice in IT (7722)

Software Technology 1 (4483)

Open Elective Unit

Semester 2

Open Elective Unit

Security and Support in IT (7167)

Systems Analysis and Modelling (6365)

Web Design and Programming (7175)

Year 3

Semester 1

MJ0057 Restricted Choice Unit

Semester 2

Restricted Choice Unit

MJ0107 Part C Unit

Information & Communication Technology Project (9785)

Open Elective Unit

Software Systems Architecture (8745)

Restricted Choice Unit

Year 4

Semester 1

Restricted Choice Unit

MJ0107 Part A Unit

Document and Workflow Management (6388)

Systems Project and Quality Management (7173)

UC - TAFE NSW South Western Sydney, Liverpool

Standard Full Time, Semester 1 Commencing, With 24 Credit Points Credit

Year 1

Semester 1

Database Design (5915)

Information Systems in Organisations (6348)

Introduction to Network Engineering (8741)

Software Technology 1 (4483)

Semester 2

Discrete Mathematics (6698)

Enterprise and Cloud Computing (9281)

Systems Analysis and Modelling (6365)

Web Design and Programming (7175)

Year 2

Semester 1

Document and Workflow Management (6388)

Software Technology 2 (7170)

Systems Project and Quality Management (7173)

Wireless Networks (8227)

Semester 2

Computer and Network Security (8019)

Information & Communication Technology Project (9785)

Software Systems Architecture (8745)

Standard Full Time, Semester 2 Commencing, With 24 Credit Points Credit

Year 1

Semester 2

Database Design (5915)

Discrete Mathematics (6698)

Information Systems in Organisations (6348)

Software Technology 1 (4483)

Year 2

Semester 1

Introduction to Network Engineering (8741)
Systems Analysis and Modelling (6365)
Systems Project and Quality Management (7173)
Wireless Networks (8227)

Semester 2

Computer and Network Security (8019)
Enterprise and Cloud Computing (9281)
Software Systems Architecture (8745)
Web Design and Programming (7175)

Year 3

Semester 1

Document and Workflow Management (6388)
Information & Communication Technology Project (9785)
Software Technology 2 (7170)

UC Melbourne - Chadstone Campus

Standard Full Time, Semester 1 Commencing, With 24 Credit Points Credit

Year 1

Semester 1

Database Design (5915)
Information Systems in Organisations (6348)
Introduction to Network Engineering (8741)
Software Technology 1 (4483)

Semester 2

Discrete Mathematics (6698)
Enterprise and Cloud Computing (9281)
Systems Analysis and Modelling (6365)
Web Design and Programming (7175)

Year 2

Semester 1

Document and Workflow Management (6388)
Mobile Technologies (8878)
Systems Project and Quality Management (7173)
Wireless Networks (8227)

Semester 2

Computer and Network Security (8019)
Information & Communication Technology Project (9785)
Software Systems Architecture (8745)

Standard Full Time, Semester 2 Commencing, With 24 Credit Points Credit

Year 1

Semester 2

Database Design (5915)
Discrete Mathematics (6698)
Information Systems in Organisations (6348)
Software Technology 1 (4483)

Year 2

Semester 1

[Introduction to Network Engineering \(8741\)](#)
[Mobile Technologies \(8878\)](#)
[Systems Analysis and Modelling \(6365\)](#)
[Systems Project and Quality Management \(7173\)](#)

Semester 2

[Computer and Network Security \(8019\)](#)
[Enterprise and Cloud Computing \(9281\)](#)
[Software Systems Architecture \(8745\)](#)
[Web Design and Programming \(7175\)](#)

Year 3

Semester 1

[Document and Workflow Management \(6388\)](#)
[Information & Communication Technology Project \(9785\)](#)
[Wireless Networks \(8227\)](#)

Course information

Course duration

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

Learning outcomes

Learning outcomes	Related graduate attributes
Knowledge and skills of the cutting edge development in the information technology (IT) industry and application of the knowledge and skills to real life IT systems and their business environments, policies, and management, independently and/or work in a team.	Analysis and enquiry Working independently and with others
Solid foundation of the relevant theories and the basic principles in IT fields, including business, information systems, system analysis and modelling, system administration, security, networking, software development, and artificial intelligence etc.; from the foundation to acquire up-to-date knowledge and skills in the future.	Analysis and enquiry Personal attributes: critical thinking, reflective practice, thriving in an environment of change
Knowledge, skills, understanding and application of the investigation, analysis, and synthesis to IT systems and their business environments, policies, and management with a high level of professional ethics, responsibilities, values and standards.	Analysis and enquiry Problem solving Professionalism and social responsibility Personal attributes: critical thinking, reflective practice, thriving in an environment of change

Communication skills in listening, reading, speaking, explaining, teaching, and writing from and to audiences of different backgrounds and papers of different scopes and levels.

Professionalism and social responsibility

Communication; Problem solving

Working independently and with others

Expertise and skills to critique, synthesise and apply new development, skills, knowledge, and standards in the IT fields to real world IT systems, with respect to their business environments, policies, and management.

Analysis and enquiry

Problem solving

Personal attributes: critical thinking, reflective practice, thriving in an environment of change

Expertise and skills in research to test established theories against a body of knowledge in IT fields; expertise and skills in designing and testing hypothesis for problem solving and conducting research; expertise and skills in contributing new knowledge and skills to the IT fields.

Analysis and enquiry

Problem solving

Personal attributes: critical thinking, reflective practice, thriving in an environment of change

Majors

- [Major in Software Engineering \(BIT\) \(Restricted\) \(MJ0107\)](#)
- [Major in Information Systems \(BIT\) \(Restricted\) \(MJ0057\)](#)

Awards

Award	Official abbreviation
Bachelor of Information Technology	BIT

Honours

High performing students may be eligible to enrol in the course Honours in Information Sciences.

Enquiries

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

Prospective International Students

Email international@canberra.edu.au or Phone +61 2 6201 5342

Bruce Current and Commencing Students

Please contact the University Student Centre by Email student.centre@canberra.edu.au or
Phone 1300 301 727

Melbourne City Current and Commencing
Students

Email UC.enquiry@canberra.edu.au

Printed on 01, December, 2021

University of Canberra, Bruce ACT 2617 Australia

+61 2 6201 5111

ABN 81 633 873 422

CRICOS 00212K

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.