UNIVERSITY OF CANBERRA

Bachelor of Engineering Technology (ITB101.1)

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	365051
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.

Delivery mode	On campus
Location	Bruce, Canberra
Duration	3.0 years
Faculty	Faculty of Science and Technology
Discipline	Academic Program Area - Technology
CRICOS code	099277G
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

Bachelor of Engineering Technology (BET) introduces students to the essential core knowledge and skills in the field of information and communication technology (ICT), along with comprehensive knowledge and skills ranging from management on the business side to technology resources and building on the technical side. Graduates will possess strong communication skills with solid expertise to critique, synthesise and apply new development, skills, knowledge and standards in the ICT field to real world ICT systems with respect to their business environments, policies, and management. Graduates will also have the knowledge and skills of cutting edge developments in the ICT industry including business, information systems, system analysis and modelling, cyber security and system administration, networking and software development etc., with a high-level awareness of professional ethics, responsibilities, values and standards. The Bachelor of Engineering Technology (BET) is not accredited by the Australian Computer Society (ACS). The University offers alternative courses that are accredited by the ACS - for more information contact SciTech-StudentEnquiries@canberra.edu.au

Admission requirements

This course is only available to students transferring from other degrees, offered either by the University of Canberra or approved articulation partners. Students will need to be eligible for at least 24 credit points of credit prior to admission. In all other aspects, normal UC admission requirements to an undergraduate course apply.

Assumed knowledge

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

Periods course is open for new admissions

Year	Location	Teaching period	Teaching start date	Domestic	International
2025	Bruce, Canberra	Semester 1	03 February 2025	✓	✓
2025	Bruce, Canberra	Semester 2	28 July 2025	✓	✓
2026	Bruce, Canberra	Semester 1	16 February 2026	✓	✓
2026	Bruce, Canberra	Semester 2	10 August 2026	✓	✓
2027	Bruce, Canberra	Semester 1	15 February 2027	✓	✓
2027	Bruce, Canberra	Semester 2	09 August 2027	✓	✓

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.

Course requirements

Bachelor of Engineering Technology (ITB101) | 72 credit points

Required - 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 Engineering Technology (SM0054) | 24 credit points

Required - Must pass 24 credit points as follows

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

Discrete Mathematics (6698) | 3 credit points — Level 1

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

Introduction to Computer Engineering (8223) | 3 credit points — Level 1

Wireless Networks (8227) | 3 credit points — Level 2

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

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

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

Open Electives - 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.

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)

Discrete Mathematics (6698)

Introduction to Information Technology (4478)

Professional Practice in IT (7722)

Semester 2

Open Elective Unit

Introduction to Network Engineering (11485)

Software Technology 1 (4483)

Systems Analysis and Modelling (11486)

Year 2

Semester 1

Wireless Networks (8227)

Open Elective Unit

Contemporary IT & E Issues (9788)

Technological Innovation and Entrepreneurship (11408)

Semester 2

Introduction to Computer Engineering (8223)

Two Open Elective Units

Network Architecture (11484)

Year 3

Semester 1

Three Open Elective Units

Technology and Engineering Management (9789)

Semester 2

Computer and Network Security (8019)

Open Elective Unit

Information & Communication Technology Project (9785)

Standard Full Time, Semester 1, 2020 Commencing

Year 1

Semester 1

Database Design (5915)

Introduction to Information Technology (4478)

Introduction to Network Engineering (11485)

Professional Practice in IT (7722)

Semester 2

Open Elective Unit

Discrete Mathematics (6698)

Software Technology 1 (4483)

Systems Analysis and Modelling (11486)

Year 2

Semester 1

Technological Innovation and Entrepreneurship (11408)

Wireless Networks (8227)

Two Open Elective Units

Semester 2

Contemporary IT & E Issues (9788)

Introduction to Computer Engineering (8223)

Network Architecture (11484)

Open Elective Unit

Year 3

Semester 1

Technology and Engineering Management (9789)

Three Open Elective Units

Semester 2

Computer and Network Security (8019)

Information & Communication Technology Project (9785)

Open Elective Unit

Standard Full Time, Semester 2 Commencing

Year 1

Semester 2

Discrete Mathematics (6698)

Introduction to Network Engineering (11485)

Software Technology 1 (4483)

Systems Analysis and Modelling (11486)

Year 2

Semester 1

Database Design (5915)

Introduction to Information Technology (4478)

Professional Practice in IT (7722)

Open Elective Unit

Semester 2

Contemporary IT & E Issues (9788)

Open Elective Unit

Introduction to Computer Engineering (8223)

Network Architecture (11484)

Year 3

Semester 1

Two Open Elective Units

Technological Innovation and Entrepreneurship (11408)

Wireless Networks (8227)

Semester 2

Computer and Network Security (8019)

Information & Communication Technology Project (9785)

Open Elective Unit

Year 4

Semester 1

Technology and Engineering Management (9789)

Three Open Elective Units

Course information

Course duration

Standard 3 years full time or part-time equivalent. Maximum 10 years from date of enrolment to date of course completion.

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 graduate 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; 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), including Technical Resources, Technology Building, and 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.

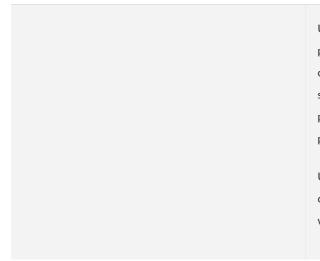|	
Examine and determine the available general ICT capabilities to construct solutions to complex ICT problems.	UC graduates are professional: Employ up-to-date and relevant knowledge and skills; communicate effectively; use creativity, critical thinking, analysis and research skills to solve theoretical and real-world problems; and display initiative and drive, and use their organisational skills to plan and manage their workload. UC graduate 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.
Develop in-depth knowledge and a higher-level skill in a few selected specialised ICT fields and/or broad knowledge and skills in complement fields, which may not be directly within ICT.	UC graduates are professional: Employ up-to-date and relevant knowledge and skills; work collaboratively as part of a team, negotiate, and resolve conflict; 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; and make creative use of technology in their learning and professional 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.
Explain and practice ICT profession, including professional ethics, professional expectations, team work skills, communication skills, societal issues, legal issues, and privacy issues etc.	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 graduate 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 Engineering Technology (SM0054)

Awards

Award	Official abbreviation
Bachelor of Engineering Technology	BET

Honours

None.

Enquiries

Student category	Contact details
Current and Commencing Students	Please contact the University Student Centre by Email student.centre@canberra.edu.au or Phone 1300 301 727
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

Download your course guide

Scholarships

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