UNIVERSITY OF CANBERRA

Bachelor of Engineering Technology (ITB101.2)

Please note these are the 2026 details for this course

Domestic students

Selection rank	
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. 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	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 approved articulation partners or approved credit pathways. 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
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

Expand All | Collapse All

Required - 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 Engineering Technology (SM0054) | 24 credit points

Required - Must pass 9 credit points as follows

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

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

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

Restricted Choice - Must pass 15 credit points as follows

Part A - Must pass 6 credit points from the following

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

Software Technology 2 (7170) | 3 credit points — Level 2

Web Design and Programming (7175) | 3 credit points — Level 2

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

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

Engineering Mathematics (10087) | 3 credit points — Level 1

Electrical and Electronic Engineering Fundamentals (12064) | 3 credit points — Level 2

Part B - Must pass 9 credit points from the following

Enterprise and Cloud Computing (9281) | 3 credit points — Level 3

System Software (11489) | 3 credit points — Level 3

Software Systems Architecture (11491) | 3 credit points — Level 3

Mobile Technologies (11492) | 3 credit points — Level 3

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

Digital Signal Processing (12065) | 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

Introduction to Network Engineering (11485)

Software Technology 1 (4483)

Systems Analysis and Modelling (11486)

Restricted Choice Elective Unit

Year 2

Semester 1

Systems Project and Quality Management (7173)

Technological Innovation and Entrepreneurship (11408)

Restricted Choice Elective Unit

Open Elective Unit

Semester 2

Two Open Elective Units

Two Restricted Choice Elective Units

Year 3

Semester 1

Restricted Choice Elective Unit

Three Open Elective Units

Semester 2

Information & Communication Technology Project (9785)

Two Open Elective Units

Standard Full Time, Semester 2 Commencing

Year 1

Semester 2

Database Design (5915)

Discrete Mathematics (6698)

Introduction to Information Technology (4478)

Professional Practice in IT (7722)

Year 2

Semester 1

Introduction to Network Engineering (11485)

Software Technology 1 (4483)

Systems Analysis and Modelling (11486)

Restricted Choice Elective Unit

Semester 2

Systems Project and Quality Management (7173)

Technological Innovation and Entrepreneurship (11408)

Open Elective Unit

Restricted Choice Elective Unit

Year 3

Semester 1

Two Open Elective Units

Two Restricted Choice Elective Units

Semester 2

Restricted Choice Elective Unit

Three Open Elective Units

Year 4

Semester 1

Information & Communication Technology Project (9785)

Two 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
Appraise ICT challenges considering social, economic, legal, ethical, and technical contexts.	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; 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; 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; 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.
Develop in-depth knowledge and skills in selected specialised ICT fields.	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; 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; 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; 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. UC graduates are able to demonstrate Aboriginal and Torres Strait Islander ways of knowing, being and doing: Use local Indigenous histories and traditional ecological knowledge to develop and augment understanding of their discipline.
Demonstrate the breadth of core ICT Knowledge as prescribed in the ACS CBOK (Australian Computer Society, Core Body of Knowledge).	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; 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; 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; 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. UC graduates are able to demonstrate Aboriginal and Torres Strait Islander ways of knowing, being and doing: Use local Indigenous histories and traditional ecological knowledge to develop and augment understanding of their discipline.
Determine and implement ICT solutions to complex real-world	UC graduates are professional: Employ up-to-date and relevant knowledge and skills;

problems.	communicate effectively; use creativity, critical thinking, analysis and research skills to solve theoretical and real-world problems; 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; 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; 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. UC graduates are able to demonstrate Aboriginal and Torres Strait Islander ways of knowing, being and doing: Use local Indigenous histories and traditional ecological knowledge to develop and augment understanding of their discipline.
Exemplify professional conduct including professional ethics, team and communication skills, while considering societal and legal issues.	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; 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; 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; 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. UC graduates are able to demonstrate Aboriginal and Torres Strait Islander ways of

	knowing, being and doing: Use local Indigenous histories and traditional ecological knowledge to develop and augment understanding of their discipline.

Majors

- Specialist Major in Engineering Technology (SM0054)
- Core Major in Information Technology and Systems (CM0018)

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

Find the scholarship that's the right fit for you

Explore Scholarships

Printed on 14, August, 2025

University of Canberra, Bruce ACT 2617 Australia

+61 2 6201 5111

ABN 81 633 873 422

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.