

# Bachelor of Engineering Technology (ITB101.1)

Please note these are the 2021 details for this course

## Domestic students

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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.

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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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Duration 3.0 years

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UAC code 365051

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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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Fees 2021: Commonwealth Supported Place  
2022: Commonwealth Supported Place

**Disclaimer:**

Annual fee rates

The fees shown are the annual fee rates for the course. The annual rate is the fee that applies to standard full-time enrolment, which is 24 credit points. The final fee charged is based on the proportion of 24 credit points in which a student enrolls. Students enrolled in a Commonwealth Support Place (CSP) are required to make a contribution towards the cost of their education, which is set by the Commonwealth Government. Information on Commonwealth Supported Places, HECS-HELP and how fees are calculated can be found [here](#).

## International students

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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](#).

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[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**

099277G

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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

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**Fees**

2021: \$30,300 per year

2022: \$31,000 per year

**Disclaimer:**

Annual fee rates

The fees shown are the annual fee rates for the course. The annual rate is the fee that applies to standard full-time enrolment, which is 24 credit points. The final fee charged is based on the proportion of 24 credit points in which a student enrolls. Information on how fees are calculated can be found [here](#).

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## 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](mailto: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
2021	UC - Canberra, Bruce	Semester 1	08 February 2021	✓	✓
2021	UC - Canberra, Bruce	Semester 2	02 August 2021	✓	✓
2022	UC - Canberra, Bruce	Semester 1	07 February 2022	✓	✓
2022	UC - Canberra, Bruce	Semester 2	01 August 2022	✓	✓
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	✓	✓

## Credit arrangements

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

### Chandigarh University

[Bachelor of Computer Applications OR Bachelor of Computer Science \(23051\)](#)

### Thakur College Of Science & Commerce

[Bachelor of Science \(IT\) \(28213\)](#)

### University Of Mumbai Affiliated Institutions

[Bachelor of Science \(IT\) \(28194\)](#)

## Course requirements

### Bachelor of Engineering Technology (ITB101) | 72 credit points

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 BIMT, BIT, BSE or BET courses should choose 11485 Introduction to Network Engineering.
- 2. Students in the BBI course should choose 6348 Information Systems in Organisations.
- 3. Students in the BSE/BBI combined course should 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 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 \(5915\)](#)

[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 \(11486\)](#)

Open Elective Unit

#### Year 2

##### Semester 1

[Contemporary IT & E Issues \(9788\)](#)

[Technological Innovation and Entrepreneurship \(11408\)](#)

##### Semester 2

[Introduction to Computer Engineering \(8223\)](#)

Two Open Elective Units

Wireless Networks (8227)

Network Architecture (11484)

Open Elective Unit

**Year 3**

**Semester 1**

**Semester 2**

Technology and Engineering Management (9789)

Computer and Network Security (8019)

Three Open Elective Units

Information & Communication Technology Project (9785)

Open Elective Unit

Standard Full Time, Semester 1, 2020 Commencing

**Year 1**

**Semester 1**

**Semester 2**

Database Design (5915)

Systems Analysis and Modelling (11486)

Introduction to Information Technology (4478)

Open Elective Unit

Introduction to Network Engineering (11485)

Discrete Mathematics (6698)

Professional Practice in IT (7722)

Software Technology 1 (4483)

**Year 2**

**Semester 1**

**Semester 2**

Technological Innovation and Entrepreneurship (11408)

Contemporary IT & E Issues (9788)

Wireless Networks (8227)

Introduction to Computer Engineering (8223)

Two Open Elective Units

Network Architecture (11484)

Open Elective Unit

**Year 3**

**Semester 1**

**Semester 2**

Three Open Elective Units

Computer and Network Security (8019)

Technology and Engineering Management (9789)

Open Elective Unit

Information & Communication Technology Project (9785)

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 \(9788\)](#)

[Introduction to Computer Engineering \(8223\)](#)

[Network Architecture \(11484\)](#)

Open Elective Unit

### Year 3

#### Semester 1

[Technological Innovation and Entrepreneurship \(11408\)](#)

[Wireless Networks \(8227\)](#)

Two Open Elective Units

#### Semester 2

Open Elective Unit

[Computer and Network Security \(8019\)](#)

[Information & Communication Technology Project \(9785\)](#)

### Year 4

#### Semester 1

Three Open Elective Units

[Technology and Engineering Management \(9789\)](#)

## Course information

### Course duration

Standard 3 years full-time or equivalent. Maximum 10 years.

### 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.	<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 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</p>

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 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.

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 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 Engineering Technology \(SM0054\)](#)

## Awards

Award	Official abbreviation
Bachelor of Engineering Technology	BET

## Honours

None.

## Enrolment data

2020 enrolments for this course by location. Please note that enrolment numbers are indicative only and in no way reflect individual class sizes.

Location	Enrolments
UC - Canberra, Bruce	6

## Enquiries

Student category	Contact details
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Current and Commencing Students	Please contact the University Student Centre by Email <a href="mailto:student.centre@canberra.edu.au">student.centre@canberra.edu.au</a> or Phone 1300 301 727
Prospective 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

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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.