



## Bachelor of Engineering Technology in Electronic and Computer Engineering (Domestic students)

### Program code

1586

### Available at

Nathan Campus

### Duration

3 years full-time

6 years part-time

### Credit points

240

### Indicative fee

\$9,527.00\* per year ([more](#))

\* 2020 indicative annual CSP fee

[Calculate](#) your fees

### Entry requirements

14

Overall position (OP) 2019

68

Rank 2019

OR VET qualification

Certificate IV

[\(Additional requirements\)](#)

### Commencing in

Trimester 1 and Trimester 2

### Prerequisites

English (4SA)

### Assumed knowledge

Maths A (4SA)



### VET Guarantee

If you receive a VET and meet subject prerequisites, you are guaranteed a place in this program.

## Why choose this program?

If you have an interest in engineering, mathematics, computing, physics, design, instrumentation, communications, and materials and testing, this degree is for you.

Engineering technologists bridge the gap between technicians and engineers and work with other professionals in solving engineering problems. The electronics and computer engineering industry is a quickly evolving area. It plays a significant role in a wide range of industries through the design and construction of electronic applications and systems enhancing technologies such as:

- mobile phones
- satellites
- communication systems
- satellite navigation
- control systems for transport
- broadband services
- energy production
- high-definition television
- satellite phones

This degree will prepare you for work as an engineering technologist, with the skills and knowledge needed to advise in planning, designing, operating and maintaining electronic engineering works. You will gain an understanding of project management principles, microprocessor techniques, electric circuits, engineering practice and sustainability, control systems and more.

You will develop the skills in hardware and software design and implementation which you will need to work in cutting-edge, high-technology fields, including communications, microelectronics, computer systems, biomedical engineering and control systems (robotics).

As a student, you will benefit from Griffith's partnerships with government and industry. In your final year of study, you will be able to take part in an industry placement, giving you the chance to put what you learn in the classroom into practice, gain the skills and experience employers want and make valuable contacts.

As an International student, you will receive dedicated support from your arrival in Australia through to your departure after graduation. You will be introduced to Griffith through an orientation program, and receive ongoing social, personal and academic support throughout your degree.

## My attendance during the program

### Attendance information

The Bachelor of Engineering Technology in Electronic and Computer Engineering is offered full-time and on-campus at Nathan. You may choose to study courses at other campuses if or where the program structure allows.

As a full-time student you will generally attend 20-25 hours of scheduled classes per week throughout the trimester. Classes may be scheduled during the day and evening throughout the week.

#### **Student Income Support**

To be classed as a full-time student, you are required to enrol in a minimum number of credit points each standard study period. The minimum credit points for full-time enrolment in this program is 30 credit points.

Trimester 1 and Trimester 2 are deemed standard study periods. As Trimester 3 is a non-standard study period, continuing students moving from one year to the next will not be required to study during this trimester to be eligible for student income support.

Domestic students who commence in Trimester 3 may be eligible for student income support from the onset of study provided they are enrolled full-time in this study period.

Please refer to the [Australian Government website](#) for more details.

#### **Work-integrated learning**

The final year Industry Affiliates Program (IAP) course [3001ENG Industry Affiliates Program](#) incorporates a major project, undertaken in an industry partner environment, which is designed to demonstrate areas of engineering, science and technology from research through to specification and/or prototype of a product of value to the industry partner.

### **My career opportunities**

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As a graduate, you will be able to work in areas that involve designing, implementing and maintaining computer and communications systems.

You will be equipped with knowledge of scientific foundations, principles and procedures underlying the design of electronic circuits and systems. You will be skilled in using computers to design and test electronic systems and be able to apply your knowledge to areas such as communications, control systems, digital circuits and systems, and computer hardware and software. Equipped with project management skills, you will also understand the responsibilities and ethics of engineering professionals.

You will be qualified to work as a technologist in aviation systems, computing, programming, data analysis, electronics, macro- or microelectronics, network engineering, or software or systems engineering.

Engineering technologists are employed in a wide range of industries, including in research, telecommunications, manufacturing, mining, the defence forces, geoscience and remote sensing, robotics, consumer electronics, and biomedicine.

### **Pathways to further study**

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Students completing this degree may choose to undertake Honours, Masters or other qualifying programs to proceed to a higher degree by research (MPhil or PhD).

### **What are the fees?**

#### **Commonwealth supported students**

- The fee is indicative of an annual full-time load (80 credit points) in a program categorized to one of the Australian Government's three broad discipline areas (student contribution bands). A student's actual annual fee may vary in accordance with his or her choice of majors and electives. The Australian Government sets [student contribution amounts](#) on an annual basis.
- [Find out more...](#)

#### **Fee-paying undergraduate (domestic) students**

These fees are only applicable to domestic students who are not Commonwealth supported including:

- Full-fee paying domestic students who commenced their program prior to 2009.
- International students who have been approved to pay domestic tuition fees after obtaining Australian or New Zealand citizenship or permanent residency or a permanent humanitarian visa and who have not obtained a Commonwealth supported place.

#### **Tuition fees**

- A fee-paying undergraduate student pays tuition fees.
- Students are liable for tuition fees for the courses they are enrolled in as at the census date.
- The tuition fee is charged according to the approved program fee for the trimester in which the student is enrolled.
- [Find out more...](#)