



## Bachelor of Engineering (Honours)/Bachelor of Computer Science (International students)

<b>Program code</b> 1585	<b>Entry requirements</b> 7.0	<b>Prerequisites</b> NIL
<b>Available at</b> Gold Coast Campus	IELTS (Academic) ( <a href="#">more</a> )	<b>Assumed knowledge</b> Any General or Applied English subject (Units 3 and 4, C)
<b>Duration</b> 5 years full-time	<b>CRICOS code</b> 094400F	Mathematical Methods (Units 3 and 4, C)
<b>Credit points</b> 400	<b>Commencing in</b> Trimester 1 and Trimester 2	<a href="#">Apply Now</a>
<b>Indicative fee</b> \$39,000.00* per year ( <a href="#">more</a> ) * 2024 indicative annual fee		

### About this program

This double degree is focused on the future, combining a cutting-edge blend of computer science and engineering. The Bachelor of Engineering (Honours) gives you the opportunity to make your mark on major global systems and infrastructure or be at the leading edge of local urban projects. You'll be involved in hands-on projects from year one, planning and creating clever solutions to real challenges.

Your engineering skills are complemented by the future-proofed skills of computer science. You'll gain a broad knowledge of the subject learning the principles and concepts behind computer science problem-solving. For example, using modelling methods and processes to understand core problems and designing solutions that match.

#### Industry and expert connections

From year one, you'll learn from industry experts and like-minded teachers. Hands-on experience is key to this double degree, and in your final year you can enhance your employment opportunities through an industry-based project or placement.

#### Graduate outcomes

The future is promising for dual computer science and engineering professionals. With these complementary degrees, you'll be prepared for engineering roles across varied industries that require design, innovation and creative development applied with the latest technology.

#### Majors

##### Engineering

- Civil Engineering (Not offered in this program from 2023)
- Electrical & Electronic Engineering
- Mechanical Engineering

##### Computer Science

- Data Science and Artificial Intelligence
- Algorithms and Computing

#### Flexibility

**Tailor your timetable** - Even if you study full-time on-campus, you may still be able to customise your degree to suit your needs. From a range of tutorial times to online access to lectures and other course material, we're here to help you fit study in with your work and life commitments.

## Global mobility

Students may be eligible to do an international field trip, organised by the academic staff. This may count towards a component of the degree, depending on its structure.

## My attendance during the program

### Attendance information

The Bachelor of Engineering (Honours)/Bachelor of Computer Science is offered full-time on-campus at the Gold Coast campus.

This program includes compulsory study in Trimester 3. Students who commence in Trimester 2 should note that you will be required to study in Trimester 3 for the first year of the program.

If you are an International student on a student visa, you must ensure that you enrol in a way that will allow you to complete your enrolment within the expected program duration as stated on your Confirmation of Enrolment (CoE).

### Work-integrated learning

**Engineering (Honours):** An integrated program of exposure to industry practice will be built into the program. Practicing engineers will be directly involved in the learning and teaching process, particularly through involvement with laboratory and tutorial sessions. Staff will draw upon their industry/professional experience in choosing their laboratory activities, their projects and/or case studies and problems. Field trips will enhance awareness of the current industry/professional practice. The final year Professional Practice course provides a WIL experience, integrating technical expertise with the practical issues of professional/industry practice. A co-requisite of this course is the completion of a minimum of 12 weeks (60 days) of approved experience in an engineering practice environment (or a satisfactory alternative).

The pinnacle of our work-integrated learning experience is the 30-credit point Industry Affiliates Program (IAP) wherein students will undertake a trimester-long capstone project. Students are encouraged to conduct their IAP-Thesis project in industry and our IAP office will assist in finding placements for students who might have been unable to find their own placement. Total work placement (hours): 408.

**Computer Science:** Students must complete at least 20 credit points of Work Integrated Learning in their fourth year. The Work Integrated Learning course is taken through the Industry Affiliates Program (IAP). The IAP has been designed to integrate students into the workplace through the completion of an industry-based software development project. It is designed to benefit both the student as well as the industry partner. The IAP requires both an industry professional supervisor and an academic supervisor. The maximum workplace attendance requirement will be 3.5 days a week (20 hours) over 12 weeks (that is, 240 hours).

The inclusion of work-integrated learning in this degree demonstrates Griffith's commitment to preparing its graduates for success in their working life.

## My career opportunities

### My career opportunities

#### Key employment sectors\*

- Engineering
- Information Technology
- Technology

#### Potential job outcomes

- Engineering technologist
- Computer scientist
- Computer network and systems engineer
- Software developer
- Electrical engineer
- Mechanical engineer

\*Source: *Australian Government Job Outlook*

## Pathways to further study

### Pathways to further study

Students completing the Bachelor of Engineering (Honours) degree may be eligible to proceed to Higher Degree Research (HDR) study.

## What are the fees?

## International students

An International student is one who is not:

- an Australian or New Zealand citizen or
- a Pacific Engagement visa holder or
- a person who has Australian permanent resident status.

### Indicative annual tuition fee

The indicative annual tuition fee is calculated based on a standard full-time study load which is usually 80 credit points (two full-time trimesters).

The indicative annual tuition fee is based on current conditions and available data and should only be used as a guide. These fees are reviewed annually and are subject to change.

### Tuition fees

- An International 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 for students who commence their program prior to 2014 is charged according to the approved program fee for the trimester in which the student commenced the program.
- The tuition fee for students who commence their program from 2014 onwards is charged according to the approved program fee for the trimester in which the student is enrolled.

## Program fees for the Bachelor of Engineering (Honours)/Bachelor of Computer Science (1585)

Fees for this program can be found on the Programs and Courses website in the "Overview and fees" section. Select your commencing year to view your fees.

### Changing programs

If an International student changes to a different program they will be subject to the approved program fee for the trimester in which they are enrolled.

### Permanent resident status

If an **undergraduate student** obtains permanent resident status in Australia after commencing study in a program, and the student can provide evidence of permanent resident status prior to the census date (of the trimester in which they are enrolled), the student will be provided with a domestic fee-paying place.

The student may then apply for a Commonwealth supported place at the next admission period provided that the student satisfies the conditions for transfer from a domestic fee-paying place to a Commonwealth supported place as set out in the [Undergraduate Programs Admission Policy](#).

If a **postgraduate student** obtains permanent resident status in Australia after commencing study in a program, and the student can provide evidence of permanent resident status prior to the census date (of the trimester in which they are enrolled), the student will automatically be considered for a Commonwealth supported place (subject to availability) or a domestic fee-paying place as applicable for the program.

If a **research student** obtains permanent resident status in Australia after commencing study in a program, and the student can provide evidence of permanent resident status prior to the census date (of the trimester in which they are enrolled), the student will automatically be considered for a Commonwealth Government Research Training Program (RTP) Fee Offset or a domestic fee-paying place as applicable for the program.

### Further information

- [Fees and Charges Procedure](#)
  - 3.6 - Fees for International Students
  - 3.9 - Administrative and Miscellaneous Charges
  - [Fees and Charges Schedules](#)
- [Cost of studying in Australia](#)

## Additional fee information

### Additional costs

Throughout your program you may be required to pay for the following items:

- personal protective equipment; steel-cap boots required for some site visits