



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

<b>Program code</b> 1585	<b>Entry requirements</b> 70.00	<b>Prerequisites</b> NIL
<b>Available at</b> Gold Coast Campus	ATAR/RANK 2024 ( <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 10 years part-time	<b>Commencing in</b> Trimester 1 and Trimester 2	Mathematical Methods (Units 3 and 4, C)
<b>Credit points</b> 400		
<b>Indicative fee</b> \$8,500.00* per year ( <a href="#">more</a> ) * 2024 indicative annual CSP 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 and part-time on-campus.

### 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

**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?

### Commonwealth supported students

- The indicative fee represents the expected average fee for an annual full-time study load (80 credit points). This is based on average study patterns across courses and the Australian Government's 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...](#)

### FEE-HELP

Eligible undergraduate fee-paying students may defer their tuition fees by taking out a FEE-HELP loan which is part of the Higher Education Loan Program (HELP). Payment of the loan is via the taxation system when income reaches a specified level.

- [Higher Education Loan Program \(HELP\)](#)

### Further information

- [Calculating tuition fees](#)
- [Calculating your EFTSL](#)
- [Fees and Charges Procedure](#)
  - 3.2 - Fees for Undergraduate Students (Non-international)
  - [Fees and Charges Schedules](#)
- [Financial help and support](#)

### 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