



Bachelor of Software Engineering (Honours) (Domestic students)

Program code	Entry requirements	Prerequisites
1656	70.00	NIL
Available at Gold Coast Campus, Nathan Campus	ATAR/RANK 2024 (more)	Assumed knowledge Any General or Applied English subject (Units 3 and 4, C)
Duration 4 years full-time 8 years part-time	Commencing in Trimester 1 and Trimester 2	Mathematical Methods (Units 3 and 4, C)
Credit points 320		
Indicative fee \$8,500.00* per year (more) * 2024 indicative annual CSP fee		

Degree requirements: Students who started Trimester 2 - 2024

For Domestic and those International students not required to complete the English Language Enhancement course

For the award of *Bachelor of Software Engineering (Honours) [BSEng(Hons)]*, you must successfully complete 320 credit points, made up of the core courses AND:

- 20 credit points of listed electives

Other program requirements

You must successfully complete:

- no more than 120 credit points of Level 1 courses (the first digit of a course code denotes the level);
- at least 60 credit points of Level 3 courses or higher.

You must also complete a minimum of 12 weeks (60 days) of approved experience in a Software Engineering practice environment (or a satisfactory alternative) during your degree studies.

Exit point

To be eligible to exit the Bachelor of Software Engineering (Honours) program with the Bachelor of Engineering Science award, you must acquire 240 credit points as prescribed below:

- at least 210 credit points from the Bachelor of Engineering (Honours) course list for any major including all first year level and second year level core courses;
- no more than 30 credit points of listed electives;
- at least 60 credit points of courses at third year level or higher;
- no more than 110 credit points of courses at first year level.

To exit, you should apply for a program transfer.

Honours

Classification of Honours - Bachelor of Software Engineering (Honours)

The class of Honours to be awarded to each student in this degree will be determined by the School Assessment Board on the basis of the Program Grade Point Average and the performance in the final year IAP course.

A minimum IAP mark of 50% is required for the award of the Bachelor of Software Engineering (Honours).

Students who have repeated the IAP course will be eligible for no higher than Class III Honours. A second fail in the IAP course will result in termination of the student's enrolment in the program.

Cut-offs for Honours Classifications

- **Class I Honours:**
 - Program Grade Point Average - 6.200 (minimum)
 - Minimum IAP Mark - 80%
- **Class IIA Honours:**
 - Program Grade Point Average - 5.650 (minimum)
 - Minimum IAP Mark - 70%
- **Class IIB Honours:**
 - Program Grade Point Average - 5.000 (minimum)
 - Minimum IAP Mark - 60%
- **Class III Honours:**
 - Program Grade Point Average - < 5.000
 - Minimum IAP Mark - 50%

Australian Qualifications Framework (AQF) Level and Type

The **Australian Qualifications Framework (AQF)** is the national policy for regulated qualifications in Australian education and training. This qualification is accredited as an AQF Level 8 - Bachelor Honours Degree.

English Language Enhancement

Domestic students enrolled in this program whose first language is not English may complete the following **English Language Enhancement Course** as an elective.

- **5903LHS Language and Communication for Sciences**

Students whose first language is English are not permitted to undertake this course.

Program learning outcomes**Program learning outcomes**

Program Learning Outcomes communicate to the community the value of the Griffith educational experience as benchmarked against national qualification standards.

Program Learning Outcomes for this award describe the knowledge, skills and the application of knowledge and skills you will acquire through studying the Griffith program of your choice.

Course list: Students starting Trimester 2 - 2024

Course offering information in program structures is a guide only. Please check the actual offering information in the Course Catalogue.

Note: Students must check the prerequisite and incompatible requirements before selecting any course within this program.

English Language Enhancement course

Students required to undertake the English Language Enhancement course must complete the following course in their first trimester of study in place of a listed elective:

Trimester	Course code	Requirement	Course title	CP
Tri 1,2	5903LHS	English Enhancement	Language and Communication for Sciences (see Note 1)	10

Note 1: This advice is only for students required to complete the English Language Enhancement course.

Year 1

Students entering the program **WITHOUT** the assumed knowledge of Maths Methods or equivalent are required to undertake 1017SCG Foundation Mathematics in their first trimester of study.

Trimester	Course code	Requirement	Course title	CP
Tri 2	1017SCG	Hons Listed Elective	Foundation Mathematics (see Note 1)	10

Note 1: 1017SCG replaces a listed elective later in your program.

You must complete the following courses:

Trimester	Course code	Requirement	Course title	CP
Tri 2	1020ENG	Hons Core to Program	Engineering Mathematics 2 (see Note 1)	10
Tri 2	1811ICT	Hons Core to Program	Programming Principles	10
Tri 2	1303ENG	Hons Core to Program	Digital Systems	10
Tri 2	1018ENG	Hons Core to Program	Engineering Science	10
Tri 1	1701ICT	Hons Core to Program	Creative Coding	10
Tri 3	1010ENG	Hons Core to Program	Engineering Mathematics 1	10
Tri 3	1022ENG	Hons Core to Program	Engineering Design Practice	10
Tri 3	1301ENG	Hons Core to Program	Electric Circuits	10

Note 1: For students who are required to complete Foundation Mathematics

In Tri 2 take 1017SCG Foundation Mathematics in place of 1020ENG.

In Tri 3 take 1020ENG Engineering Mathematics 2 in place of 1022ENG.

Take 1022ENG Engineering Design Practice later in the place a listed elective would otherwise be taken.

Year 2

You must complete the following courses:

Trimester	Course code	Requirement	Course title	CP
Tri 1	2801ICT	Hons Core to Program	Computing Algorithms	10
Tri 1	2322ENG	Hons Core to Program	Engineering C	10
Tri 1	2800ICT	Hons Core to Program	Object Oriented Programming	10
Tri 1	1007ICT	Hons Core to Program	Computer Systems and Cyber Security	10
Tri 2	1808ICT	Hons Core to Program	Discrete Structures	10
Tri 2	2810ICT	Hons Core to Program	Software Technologies (offered from 2025)	10
Tri 2	2006ICT	Hons Core to Program	Object Oriented Software Development (offered from 2025)	10
Tri 2	2303ENG	Hons Core to Program	Embedded Systems	10

Year 3

You must complete the following courses:

Trimester	Course code	Requirement	Course title	CP
Tri 1	3410ICT	Hons Core to Program	The Ethical Technologist (not offered from 2026)	10
Tri 1	3809ICT	Hons Core to Program	Ethical Hacking	10
Tri 1	3701ICT	Hons Core to Program	Mobile Application Development	10
Tri 1	3812ICT	Hons Core to Program	Agile Business Analysis	10
Tri 1	3003ICT	Hons Core to Program	Programming for Robotics (offered from 2026)	10
Tri 2	3813ICT	Hons Core to Program	Software Frameworks	10
Tri 2	3004ENG	Hons Core to Program	Project Management Principles	10
Tri 1,2,3			Listed elective	10

Exit point: Bachelor of Engineering Science (1573). To exit (after completing the 240 credit point requirements of Years 1, 2

and 3), you should apply for a program transfer.

Year 4

You must complete the following courses:

Trimester	Course code	Requirement	Course title	CP
Tri 1	3302ENG	Hons Core to Program	Computer Systems	10
Tri 1	3821ICT	Hons Core to Program	Work Integrated Learning - Single Project	20
Tri 1			Listed elective	10
Tri 2	6002ENG		IAP (see Note 1)	40

Note 1: It is a requirement that students complete a minimum of 60 days of approved experience in an Engineering practice environment (or satisfactory alternative) during their degree studies.

Electives (1 available)

Listed Electives

You must complete 20 credit points of listed electives:

Trimester	Course code	Requirement	Course title	CP
Tri 1,2,3	5903LHS	Hons Listed Elective	Language and Communication for Sciences (see Note 1)	10
Tri 1	1017SCG	Hons Listed Elective	Foundation Mathematics	10
Tri 1	3705ICT	Hons Listed Elective	Virtual and Augmented Reality	10
Tri 1	3801ICT	Hons Listed Elective	Numerical Algorithms (not offered from 2026)	10
Tri 1	6323ENG	Hons Listed Elective	SCADA Systems	10
Tri 1	3802ICT	Hons Listed Elective	Programming Languages (not offered from 2024)	10
Tri 1	3030ICT	Hons Listed Elective	Data Analytics	10
			courseLineOperator	
Tri 2	4030ICT	Hons Listed Elective	Big Data Analytics and Social Media (not offered from 2023)	10
Tri 2	3723ICT	Hons Listed Elective	Interaction Design	10
Tri 2	3825ICT	Hons Listed Elective	Theory of Computing	10
Tri 2	3804ICT	Hons Listed Elective	Data Mining	10
Tri 2	6306ENG	Hons Listed Elective	Design of Real-Time Systems	10
Tri 2	6305ENG	Hons Listed Elective	Advanced Computer Systems	10

Note 1: Students required to complete 1017SCG (Foundation Maths) are to take this course as one of their listed electives in their first trimester of study.