Bachelor of Computer Science (Domestic students)

Program code
1534

Available at
Gold Coast Campus, Online

Duration
3 years full-time
6 years part-time

Credit points
240

Indicative fee
$8,000.00* per year (more)
* 2024 indicative annual CSP fee

Entry requirements
67.00
ATAR/RANK 2024
(more)

Commencing in
Trimester 1 and Trimester 2

Prerequisites
NIL

Assumed knowledge
Any General or Applied English subject (Units 3 and 4, C)
Mathematical Methods (Units 3 and 4, C)

Degree requirements: Students who started Trimester 2 - 2022

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

For the award of *Bachelor of Computer Science (BCompSc)*, you must successfully complete 240 credit points, made up of the core courses AND

- 60 credit points for one major OR
  - if you elect not to complete a major, you will complete 60 credit points from the No Major Option list; AND
- 40 credit points of free-choice electives

OR

- 100 credit points for two majors

Other program requirements

You must successfully complete:

- no more than 100 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.

This degree may be awarded **with Distinction** where a student achieves a minimum program GPA of 6.5 with no failed courses. The words "This award was achieved with Distinction" will be recorded on the testamur.

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 7 - Bachelor 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 - 2022

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

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 5903LHS in their first trimester of study.
The English Language Enhancement course is to be taken in place of a Free-choice elective in your program.

Trimester	Course code	Requirement	Course title	CP
Tri 2,3	5903LHS	English Enhancement	Language and Communication for Sciences	10

Year 1

You must complete the following courses:

Trimester	Course code	Requirement	Course title	CP
Tri 2,3	1014SCG	Core to Program	Statistics (not offered from 2024)	10
			OR	
Tri 1	1701ICT	Core to Program	Creative Coding	10
Tri 2	1806ICT	Core to Program	Programming Fundamentals (not offered from 2024)	10
			OR	
Tri 1,2,3	1013ICT	Core to Program	Mathematics for Computer Science	10
Tri 1,2,3			Free-choice elective	10
			OR	
Tri 1,2,3	1017SCG	Free-choice Elective	Foundation Mathematics (See Note 1)(not offered from 2024)	10
			OR	
Tri 2,3			Second Major course (for students taking two majors)	10
Tri 2,3			Free-choice elective	10
			OR	
Tri 2,3			Second Major Course (for students taking two majors)	10

Note 1: Students entering the program WITHOUT the assumed knowledge of Maths B or equivalent must complete 1017SCG in their first trimester of study.

Eligibility to progress to the Bachelor of Advanced Computer Science (Honours) (1657) after Year 1 will be subject to the following criteria:

- achievement of a minimum Grade Point Average (GPA) of 6.0 for all coursework.

Year 2

You must complete the following courses:

Trimester	Course code	Requirement	Course title	CP
Tri 1,3	1010ENG	Core to Program	Engineering Mathematics 1 (not offered from 2024)	10
			OR	
Tri 1	1004ICT	Core to Program	Professional Practice in Information Technology	10
Tri 1,2	1811ICT	Core to Program	Programming Principles	10
Tri 2	1808ICT	Core to Program	Discrete Structures	10
Tri 1,3	1807ICT	Core to Program	Computer and Network Architecture (not offered from 2024)	10
			OR	
Tri 1,3	1007ICT	Core to Program	Computer Systems and Cyber Security	10
Tri 2	2808ICT	Core to Program	Secure Development Operations	10
Tri 2	2813ICT	Core to Program	Software Engineering Fundamentals (not offered from 2025)	10
			OR	
Tri 2	2810ICT	Core to Program	Software Technologies (offered from 2025)	10
Tri 2			Free-choice elective	10
			OR	
Tri 2			Second Major Course (for students taking two majors)	10
Tri 2,3	1020ENG	Core to Program	Engineering Mathematics 2 (not offered from 2024)	10
			OR	
Tri 2	1814ICT	Core to Program	Data Management	10

Year 3

You must complete the following courses:

Trimester	Course code	Requirement	Course title	CP
Tri 1	2801ICT	Core to Program	Computing Algorithms	10
Tri 1	2800ICT	Core to Program	Object Oriented Programming	10
Tri 1	3410ICT	Core to Program	The Ethical Technologist (not offered from 2026)	10
Tri 1			Major courses	10
			OR	
Tri 1			Computer Science course (for students electing to not complete a major)	10
Tri 1,2			Major courses	30
			OR	
Tri 1,2			Computer Science courses (for students electing to not complete a major)	30
Tri 1,2			Free-choice elective	10
			OR	
Tri 1,2			Second Major Course (for students taking two majors)	10

Year 4

You must complete the following courses:

Trimester	Course code	Requirement	Course title	CP
Tri 1,2			Major courses	20
			OR	
Tri 1,2			Computer Science courses (for students electing to not complete a major)	20
Tri 1	3820ICT_P1	Core to Program	Work Integrated Learning Part 1 (capstone course)	10
			AND	
Tri 2	3820ICT_P2	Core to Program	Work Integrated Learning Part 2 (capstone course)	10
			OR	
Tri 1,2	3821ICT	Core to Program	Work Integrated Learning - Single Project	20
			OR	
Tri 1,2	3822ICT	Core to Program	Work Integrated Learning - Placement	20

Majors (2 available)
Data Science and Artificial Intelligence

You must complete the following courses:

Trimester	Course code	Requirement	Course title	CP
Tri 1	2802ICT	Core to Major	Intelligent Systems	10
Tri 2	2803ICT	Core to Major	Systems and Distributed Computing (not offered from 2025)	10
			OR	
Tri 2	3005ICT	Core to Major	Distributed Programming (offered from 2026)	10
Tri 2	2812ICT	Core to Major	Perceptual Computing (not offered from 2025)	10
			OR	
Tri 2	3006ICT	Core to Major	Robotics and Computer Vision (offered from 2026)	10
Tri 1	3803ICT	Core to Major	Big Data Analysis (not offered from 2026)	10
			OR	
Tri 1	3008ICT	Core to Major	Deep Learning (offered from 2026)	10
Tri 2	3804ICT	Core to Major	Data Mining	10
Tri 1	3806ICT	Core to Major	Robotics, Agents and Reasoning	10

Software Development

You must complete the following courses:

Trimester	Course code	Requirement	Course title	CP
Tri 1	2802ICT	Core to Major	Intelligent Systems	10
Tri 2	2803ICT	Core to Major	Systems and Distributed Computing (not offered from 2025)	10
			OR	
Tri 2	3005ICT	Core to Major	Distributed Programming (offered from 2026)	10
Tri 2	2805ICT	Core to Major	System and Software Design (not offered from 2025)	10
			OR	
Tri 2	2006ICT	Core to Major	Object Oriented Software Development (offered from 2025)	10
Tri 1	3801ICT	Core to Major	Numerical Algorithms (not offered from 2026)	10
Tri 1	3825ICT	Core to Major	Theory of Computing	10
Tri 1	3805ICT	Core to Major	Advanced Algorithms	10

No Major Option (1 available)
Computer Science (for students not completing a major)

You must complete 60 credit points from the following courses:

Trimester	Course code	Requirement	Course title	CP
Tri 1	2802ICT	Elective to Major	Intelligent Systems	10
Tri 2	2803ICT	Elective to Major	Systems and Distributed Computing (not offered from 2025)	10
			OR	
Tri 2	3005ICT	Elective to Major	Distributed Programming (offered from 2026)	10
Tri 2	2805ICT	Elective to Major	System and Software Design (not offered from 2025)	10
Tri 2	2812ICT	Elective to Major	Perceptual Computing (not offered from 2025)	10
			OR	
Tri 2	3006ICT	Elective to Major	Robotics and Computer Vision (offered from 2026)	10
Tri 1	3801ICT	Elective to Major	Numerical Algorithms (not offered from 2026)	10
Tri 1	3803ICT	Elective to Major	Big Data Analysis (not offered from 2026)	10
			OR	
Tri 1	4030ICT	Elective to Major	Big Data Analytics and Social Media (not offered from 2023)	10
			OR	
Tri 1,2,3	3032ICT	Elective to Major	Big Data Analytics and Social Media	10
Tri 1	3806ICT	Elective to Major	Robotics, Agents and Reasoning	10
Tri 2	3804ICT	Elective to Major	Data Mining	10
Tri 1	3805ICT	Elective to Major	Advanced Algorithms	10
Tri 2	3825ICT	Elective to Major	Theory of Computing	10
Tri 2	3906ICT	Elective to Major	Digital Forensics	10

Electives (1 available)

Free-choice electives

You may select free-choice electives from any course in the Bachelor of Information Technology or from the list below or any Undergraduate free-choice elective/s offered across the University provided prerequisites are met. If you require guidance, please liaise with your Program Director.

Trimester	Course code	Requirement	Course title	CP
Tri 1	2202NSC	Listed Elective	Numerical Methods	10
Tri 2	2204NSC	Listed Elective	Introduction to Mathematical Modelling	10
Tri 2	2303ENG	Listed Elective	Embedded Systems	10
Tri 1,2 or 3	2043IBA	Listed Elective	Innovation, Creativity and Entrepreneurship	10
Tri 2	3303ENG	Listed Elective	Digital Signal Processing	10
Tri 2,3	2034IBA	Listed Elective	Griffith Innovation Challenge	10
Tri 1	2905ICT	Listed Elective	Fundamentals of Cyber Security	10