



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

Program code

1586

Commencing in

For Continuing Students Only

Available at

Nathan Campus

Duration

3 years full-time

Credit points

240

Degree requirements: Students who started Trimester 2 - 2020

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

For the award of *Bachelor of Engineering Technology in Electronic and Computer Engineering (BEngTech)*, you must successfully complete 240 credit points, made up of the core courses AND

- 20 credit points of listed electives; AND
- 20 credit points of free-choice electives OR
 - 10 credit points for 1017SCG Foundation Mathematics; AND
 - 10 credit points of free-choice electives.

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

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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 - 2020

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.

Standard program

Year 1

You must complete the following courses:

Trimester	Course code	Requirement	Course title	CP
Tri 2		Free-choice Elective	Free-choice elective	10
			OR	
Tri 2	5903LHS	English Enhancement	Language and Communication for Sciences	10
Tri 2	1017SCG	Free-choice Elective	Foundation Mathematics (see Note 1)	10
			OR	
Tri 2			Free-choice elective	10
Tri 2	1305ENG	Core to Program	Engineering Programming (withdrawn from 2022)	10
			OR	
Tri 2	1008ENG	Core to Program	Programming and Computing for Engineers	10
Tri 2,3	1301ENG	Core to Program	Electric Circuits	10

Note 1: Students entering the program who do not have Mathematics A or equivalent should complete 1017SCG Foundation Mathematics in their first trimester of study in place of a Free-choice elective. Students entering the program with Mathematics B or C or equivalent will not be permitted to complete 1017SCG.

Year 2

You must complete the following courses:

Trimester	Course code	Requirement	Course title	CP
Tri 1	2319ENG	Core to Program	Introduction to Electronics	10
Tri 1	1010ENG	Core to Program	Engineering Mathematics 1	10
Tri 1	2315ENG	Core to Program	Digital Electronics	10
Tri 1	1018ENG	Core to Program	Engineering Science	10
Tri 1,3	1022ENG	Core to Program	Engineering Design Practice	10
Tri 2	3323ENG	Core to Program	Microcontroller Techniques (withdrawn from 2022)	10
			OR	
Tri 2	2303ENG	Core to Program	Embedded Systems	10
Tri 2	2321ENG	Core to Program	Signal Propagation	10
Tri 2	1020ENG	Core to Program	Engineering Mathematics 2	10

Year 3

You must complete the following courses:

Trimester	Course code	Requirement	Course title	CP
Tri 1	2301ENG	Core to Program	Semiconductor Devices and Circuits	10
Tri 1	2305ENG	Core to Program	Signals and Systems	10
Tri 1	3301ENG	Core to Program	Practical Electronics	10
Tri 1	3304ENG	Core to Program	Control Systems	10
Tri 2	3004ENG	Core to Program	Project Management Principles	10
Tri 2	3324ENG	Core to Program	Communication Systems and Circuits	10
Tri 2			Listed elective	20

Year 4

You must complete the following courses:

Trimester	Course code	Requirement	Course title	CP
Tri 1	2317ENG	Core to Program	Workshop Technology	10
Tri 1	3001ENG	Core to Program	Industry Affiliates Program (capstone course)	20
Tri 1	3326ENG	Core to Program	SCADA Systems	10

Electives (2 available)

Listed electives

Trimester	Course code	Requirement	Course title	CP
Tri 1	1501ENG	Listed Elective	Engineering Mechanics	10
Tri 1	3315ENG	Listed Elective	Efficient Energy Systems	10
Tri 2	3303ENG	Listed Elective	Digital Signal Processing	10
Tri 2	2323ENG	Listed Elective	Data and Computer Communications	10
Tri 1	3302ENG	Listed Elective	Computer Systems	10
Tri 1,3	1017ENG	Listed Elective	Engineering Materials	10

Free-choice electives

You may select free-choice electives 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 1,2	1001EHR	Free-choice Elective	Work and Employability (not offered from 2021)	10
			courseLineOperator	
Tri 1,3	1007GBS	Free-choice Elective	The Future of Work	10
Tri 1,2 or 3	1003MKT	Free-choice Elective	Introduction to Marketing (not offered from 2021)	10
			courseLineOperator	
Tri 2,3	1009GBS	Free-choice Elective	Grand Challenges for Business	10
Tri 1	1005IBA	Free-choice Elective	Introduction to International Business (not offered from 2021)	10
			courseLineOperator	
Tri 2	2030IBA	Free-choice Elective	Global Business	10
Tri 1,3	1007ICT	Free-choice Elective	Computer Systems and Cyber Security	10

Trimester	Course code	Requirement	Course title	CP
Tri 2,3	1014SCG	Free-choice Elective	Statistics	10
Tri 1,3	1015SCG	Free-choice Elective	Quantitative Reasoning	10
Tri 1,3	1032LHS	Free-choice Elective	Japanese 1A	10
Tri 1,3	1041SCG	Free-choice Elective	Biological Systems	10
Tri 1,3	1043SCG	Free-choice Elective	Introduction to Environmental Sustainability	10
Tri 2	1044SCG	Free-choice Elective	Earth Systems	10
Tri 1,2 or 3	1101IBA	Free-choice Elective	Management Concepts (not offered from 2021)	10
			courseLineOperator	
Tri 1,3	1004GBS	Free-choice Elective	The Purpose of Business	10
Tri 1,3	1102AFE	Free-choice Elective	Accounting for Decision Making (not offered from 2022)	10
			courseLineOperator	
Tri 2,3	1006GBS	Free-choice Elective	Why Money Matters	10
Tri 1	1303AFE	Free-choice Elective	Economics for Decision Making 1 (not offered from 2022)	10
Tri 2	1304NSC	Free-choice Elective	Atmospheric Science	10
Tri 1,3	1305AFE	Free-choice Elective	Business Data Analysis (not offered from 2021)	10
			courseLineOperator	
Tri 1,3	1008GBS	Free-choice Elective	Business Decision-Making	10
Tri 1	1621ICT	Free-choice Elective	Web Technologies (not offered from 2025)	10
Tri 1	1701ICT	Free-choice Elective	Creative Coding	10
Tri 1	1807ICT	Free-choice Elective	Computer and Network Architecture (not offered from 2024)	10
Tri 2	2001ICT	Free-choice Elective	Project Management (not offered from 2022)	10
Tri 1,2 or 3	2043MKT	Free-choice Elective	Entrepreneurship and New Business Ventures (not offered from 2020)	10
			courseLineOperator	
Tri 1,2 or 3	2043IBA	Free-choice Elective	Innovation, Creativity and Entrepreneurship	10
Tri 1	2071ENV	Free-choice Elective	Soils and Geomorphology	10
Tri 1,3	2128IBA	Free-choice Elective	The Management of Business Processes	10
Tri 2	2304ENV	Free-choice Elective	Rivers and Catchments	10
Tri 1,2	2604QCA	Free-choice Elective	3D Digital Modelling for Manufacturing (not offered from 2023)	10

Trimester	Course code	Requirement	Course title	CP
			courseLineOperator	
Tri 2	2608ENG	Free-choice Elective	3D Digital Modelling for Manufacture	10
Tri 1	2639QCA	Free-choice Elective	Digital Modelling for Design	10
Tri 1,2	2640QCA	Free-choice Elective	Product Archetypes	10
Tri 2,3	2034IBA	Free-choice Elective	Griffith Innovation Challenge (formerly 3031IBA)	10
Tri 1	3612ICT	Free-choice Elective	Database Systems and Administration (not offered from 2018)	20
Tri 2	6207ENG	Free-choice Elective	Environmental Management Systems	10
Tri 3	2105LHS	Free-choice Elective	Writing the Character Journey from Comics to Film (not offered from 2023)	10
			courseLineOperator	
Tri 3	2104LHS	Free-choice Elective	Writing the Character Journey from Comics to Film	10