



Bachelor of Engineering (Honours)/Bachelor of Business (Domestic students)

Program code 1556	Entry requirements 70.00	Prerequisites NIL
Available at Gold Coast Campus	ATAR/RANK 2024 (more)	Assumed knowledge Any General or Applied English subject (Units 3 and 4, C)
Duration 5 years full-time 10 years part-time	Commencing in Trimester 1 and Trimester 2	Mathematical Methods (Units 3 and 4, C)
Credit points 400		
Indicative fee \$11,000.00* 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 Engineering (Honours)/Bachelor of Business [BEng(Hons)/BBus]*, you must successfully complete 400 credit points, made up of the core courses AND:

- 20 credit points of foundation courses for your chosen Engineering major; AND
- 180 credit points for an Engineering major; AND
- 60 credit points for a Business major; AND
- 10 credit points for a free choice elective.

Other program requirements

You must successfully complete:

- no more than 140 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 an Engineering practice environment (or a satisfactory alternative) during your degree studies.

Honours

Classification of Honours - Bachelor of 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 for the engineering components of the program and the performance in the final year IAP course.

A minimum IAP mark of 50% is required for the award of the Bachelor of 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. The Bachelor of Business is accredited as an AQF Level 7 - Bachelor Degree. The Bachelor of Engineering (Honours) 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 the **Bachelor of Engineering (Honours)** and **Bachelor of Business** 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 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 1,2	5903LHS	English Enhancement	Language and Communication for Sciences	10

Note 1: Students entering the program that are required to complete **5903LHS Language and Communication for Sciences** course MUST COMPLETE this course in place of **1022ENG Engineering Design Practice** in their first trimester of study. **1022ENG Engineering Design Practice** can be taken later in the program where an Elective would take place.

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.

The course 1017SCG replaces one Free-choice elective in your program.

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

You must complete the following core courses:

Trimester	Course code	Requirement	Course title	CP
Tri 1,3	1010ENG	Hons Core to Program	Engineering Mathematics 1 (see note 1)	10
Tri 2	1018ENG	Hons Core to Program	Engineering Science	10
Tri 2	1008ENG	Hons Core to Program	Programming and Computing for Engineers	10
Tri 1,3	1022ENG	Hons Core to Program	Engineering Design Practice	10
Tri 2,3	1020ENG	Hons Core to Program	Engineering Mathematics 2 (see note 1)	10
Tri 1,3	1017ENG	Hons Core to Program	Engineering Materials	10

Note 1: For students who are required to complete 1017SCG Foundation Mathematics in their first trimester.

- In Tri 2 take 1017SCG Foundation Mathematics in place of 1010ENG
- In Tri 3 take 1010ENG Engineering Mathematics 1 and 1020ENG Engineering Mathematics 2
- Take 1022ENG Engineering Design Practice later in the program in place a Free-choice elective would otherwise be taken.

You must complete 20 credit points of foundation courses for your chosen Engineering major:

Civil Engineering

You must complete the following foundation courses:

Trimester	Course code	Requirement	Course title	CP
Tri 2	1108ENG	Hons Listed Elective	Digital and Data Skills	10
Tri 2,3	1501ENG	Hons Listed Elective	Engineering Mechanics	10

Electrical and Electronic Engineering

You must complete the following foundation courses:

Trimester	Course code	Requirement	Course title	CP
Tri 2	1303ENG		Digital Systems	10
Tri 2,3	1301ENG		Electric Circuits	10

Mechanical Engineering

You must complete the following foundation courses:

Trimester	Course code	Requirement	Course title	CP
Tri 2	1508ENG		Digital Design and Modelling	10
Tri 2,3	1501ENG		Engineering Mechanics	10

Year 2

You must complete the following courses:

Trimester	Course code	Requirement	Course title	CP
Tri 1,3	1004GBS	Core to Program	The Purpose of Business	10
Tri 2,3	1005GBS	Core to Program	Engaging Australia and the Asia-Pacific	10
Tri 2,3	1006GBS	Core to Program	Why Money Matters	10
Tri 1,3	1007GBS	Core to Program	The Future of Work	10

Year 3

You must complete the following courses:

Trimester	Course code	Requirement	Course title	CP
Tri 1,3	1008GBS	Core to Program	Business Decision-Making	10
Tri 2,3	1009GBS	Core to Program	Grand Challenges for Business	10
Tri 1,2	3103GBS	Core to Program	Creating Better Business	10

Years 2-5

You must complete the following courses:

Trimester	Course code	Requirement	Course title	CP
Tri 1,2 or 3			Engineering major	180
Tri 1,2 or 3			Business major	60
Tri 1,2 or 3			Free choice electives (Business)	10

Bachelor of Business - Majors (17 available) Behavioural Science

You must complete the following courses:

Trimester	Course code	Requirement	Course title	CP
Tri 1,3	2004MKT	Core to Major	Consumer Psychology	10
Tri 2	2034MKT	Core to Major	Marketing Research and Intelligence	10
Tri 2	3313AFE	Core to Major	Behavioural Economics	10
Tri 2	3007MKT	Core to Major	Marketing for Behaviour Change (capstone course)	10
Tri 2	2116LHS	Core to Major	Social Data Analytics	10
Tri 3	3218AFE	Core to Major	Behavioural Finance (see Note 1)	10

Note 1: In 2024, 3218AFE Behavioural Finance will be offered in T3 online only.

Business Analytics

You must complete the following courses:

Trimester	Course code	Requirement	Course title	CP
Tri 2	2030ICT	Core to Major	Introduction to Big Data Analytics	10
Tri 1	2031ICT	Core to Major	Data Analytics Methods	10
Tri 2	2030AFE	Core to Major	Business Intelligence	10
Tri 1	3051IBA	Core to Major	Decision Making for Innovation	10
Tri 2	3030AFE	Core to Major	Predictive Analytics	10
Tri 1,2 or 3	3002GBS	Core to Major	Co-Design Incubator (capstone course)	10

Economics

You must complete the following:

Trimester	Course code	Requirement	Course title	CP
Tri 1,3	2316AFE	Core to Major	Macroeconomics Analysis	10
Tri 1,3	2314AFE	Core to Major	Microeconomic Analysis	10
Tri 1,2	2315AFE	Core to Major	Econometric Analysis	10
Tri 1	3310AFE	Core to Major	Open Economy Macroeconomics	10
Tri 2	3314AFE	Core to Major	Micro Foundations of Markets and Behaviour	10
Tri 2	3315AFE	Core to Major	Empirical Economic Analysis (capstone course)	10

Employment Relations

You must complete the following courses:

Trimester	Course code	Requirement	Course title	CP
Tri 2	2006EHR	Core to Major	Health and Safety in the Workplace	10
Tri 1	2001EHR	Core to Major	Management Employee Relations	10
Tri 2,3	3021EHR	Core to Major	Negotiation	10
Tri 1	2015EHR	Core to Major	Introduction to ER and HR Law	10
Tri 1	3019EHR	Core to Major	The Realities and Potentials of Workplaces	10
Tri 2	3006EHR	Core to Major	Employment Strategies in Action (capstone course)	10

Events

You must complete the following courses:

Trimester	Course code	Requirement	Course title	CP
Tri 1	2219THS	Core to Major	Event Management Principles	10
Tri 1	2315THS	Core to Major	Event Marketing and Sponsorship	10
Tri 2	2209THS	Core to Major	Managing Projects in Service Industries	10
Tri 1	3117THS	Core to Major	Facility and Venue Management	10
Tri 2	3213THS	Core to Major	Conference and Convention Management	10
Tri 2	3204THS	Core to Major	Event Evaluation (capstone course)	10

Finance

You must complete the following courses:

Trimester	Course code	Requirement	Course title	CP
Tri 1,3	2204AFE	Core to Major	Financial Institutions Management	10
Tri 1,2	2201AFE	Core to Major	Corporate Finance	10
Tri 1,2	2206AFE	Core to Major	Investment Analysis and Management	10
Tri 1,2	3224AFE	Core to Major	Derivatives Securities	10
Tri 1,2	3208AFE	Core to Major	Portfolio Management	10
Tri 1,2	3233AFE	Core to Major	Global Investment and Markets (capstone course)	10

Human Resource Management

You must complete the following courses:

Trimester	Course code	Requirement	Course title	CP
Tri 1,3	2002EHR	Core to Major	Strategic Human Resource Management	10
Tri 1,2	2005EHR	Core to Major	Organisational Behaviour and Wellbeing	10
Tri 1	3009EHR	Core to Major	Global Human Resource Management	10
Tri 2	3010EHR	Core to Major	Developing Talent	10
Tri 1,2	3020EHR	Core to Major	Managing Staffing and Performance	10
Tri 2,3	3012EHR	Core to Major	Applied Human Resource Management and Change (capstone course)	10

Innovation and Entrepreneurship

You must complete the following courses:

Trimester	Course code	Requirement	Course title	CP
Tri 2,3	2034IBA	Core to Major	Griffith Innovation Challenge	10
Tri 1,2 or 3	2043IBA	Core to Major	Innovation, Creativity and Entrepreneurship	10
Tri 1	2044IBA	Core to Major	Social Entrepreneurship	10
Tri 2	3043IBA	Core to Major	Digital Innovation	10
Tri 2	3046IBA	Core to Major	Family Business Management	10
Tri 1	3045IBA	Core to Major	Building the New Venture (capstone course)	10

Logistics and Supply Chain Management

You must complete the following courses:

Trimester	Course code	Requirement	Course title	CP
Tri 1,3	2128IBA	Core to Major	The Management of Business Processes	10
Tri 1	2155IBA	Core to Major	Procurement and Supply Management	10
Tri 2	2154IBA	Core to Major	International Business Logistics	10
Tri 2	3155IBA	Core to Major	Operations Management	10
Tri 2	3157IBA	Core to Major	Supply Chain Innovation and Optimisation (capstone course)	10
Tri 1,2 or 3	3002GBS	Core to Major	Co-Design Incubator	10

Management

You must complete the following courses:

Trimester	Course code	Requirement	Course title	CP
Tri 1,2	2045IBA	Core to Major	Leading and Managing Organisations	10
Tri 1,3	2128IBA	Core to Major	The Management of Business Processes	10
Tri 2,3	3006IBA	Core to Major	Creating Ethical and Sustainable Business	10
Tri 2	3050IBA	Core to Major	Managing Strategic Change (capstone course)	10
Tri 1	3051IBA	Core to Major	Decision Making for Innovation	10
Tri 1	3045IBA	Core to Major	Building the New Venture	10

Marketing

You must complete the following courses:

Trimester	Course code	Requirement	Course title	CP
Tri 1,3	2004MKT	Core to Major	Consumer Psychology	10
Tri 2	2034MKT	Core to Major	Marketing Research and Intelligence	10
Tri 1	2029MKT	Core to Major	Advertising and Integrated Marketing Communications	10
Tri 2	3006MKT	Core to Major	Service Experience	10
Tri 1	3038MKT	Core to Major	Sales and Negotiation	10
Tri 2	3028MKT	Core to Major	Marketing Strategy and Analytics (capstone course)	10

Political Science and International Relations

You must complete the following courses:

Trimester	Course code	Requirement	Course title	CP
Tri 1,3	2004GIR	Core to Major	The Government Business Nexus: Intervening, Lobbying and Responding	10
Tri 1	3027GIR	Core to Major	Business and Politics in the Asia Pacific	10
Tri 2	3023GIR	Core to Major	The Age of Migration	10
Tri 2	2019GIR	Core to Major	International Organisations, Peace and Conflict	10
Tri 1	3022GIR	Core to Major	The Rise of Global Populism	10
Tri 2	3001GIR	Core to Major	Solving Policy Problems (capstone course)	10

Real Estate and Property Development

You must complete the following courses:

Trimester	Course code	Requirement	Course title	CP
Tri 1	2009THS	Core to Major	Real Estate and Property Development Principles	10
Tri 2	2310THS	Core to Major	Property Market Research and Analysis	10
Tri 2	2211AFE	Core to Major	Real Estate Finance	10
Tri 1	3220THS	Core to Major	Real Estate and Property Development Law	10
Tri 1	3216THS	Core to Major	Strata Communities and Management	10
Tri 2	3219THS	Core to Major	Property Development Process (capstone course)	10

Note: You can complete the Real Estate License externally through a variety of independent accredited providers including the Queensland real estate industry peak body - Real Estate Institute of Qld (REIQ) - and apply for credit towards an elective through the University Credit process.

Sport Management

You must complete the following courses:

Trimester	Course code	Requirement	Course title	CP
Tri 1	2309THS	Core to Major	Sport Management Principles	10
Tri 1	2018THS	Core to Major	Sport Event and Facility Planning	10
Tri 2	2312THS	Core to Major	Sport Digitisation and Communication	10
Tri 1	3110THS	Core to Major	Contemporary Issues in Sport Business	10
Tri 2	3323THS	Core to Major	Sport Marketing	10
Tri 2	3333THS	Core to Major	Sport Development Systems (capstone course)	10

Sustainable Business

You must complete the following courses:

Trimester	Course code	Requirement	Course title	CP
Tri 1	2101GIR	Core to Major	The Politics of Environment and Sustainability	10
Tri 1,2	2045IBA	Core to Major	Leading and Managing Organisations	10
Tri 1	3055MKT	Core to Major	Green Marketing	10
Tri 2	3038IBA	Core to Major	The Business of Changing the World	10
Tri 2,3	3006IBA	Core to Major	Creating Ethical and Sustainable Business	10
Tri 1,2 or 3	3002LFC	Core to Major	Community Internship and Partnerships for SDGs (capstone course)	10

Taxation

You must complete the following courses:

Trimester	Course code	Requirement	Course title	CP
Tri 1,2	2118AFE	Core to Major	Principles of Accounting and Analytics	10
Tri 1,2	2105AFE	Core to Major	Introduction to Business Law	10
Tri 1,2,3	2150AFE	Core to Major	Taxation Law	10
Tri 2	2106AFE	Core to Major	Company Law	10
Tri 1,2	3105AFE	Core to Major	Law of Finance	10
Tri 1	3150AFE	Core to Major	Taxation Planning for Advisors (capstone course)	10

Tourism and Travel

You must complete the following courses:

Trimester	Course code	Requirement	Course title	CP
Tri 1	2204THS	Core to Major	Sustainable Tourism Practices and Impacts	10
Tri 2	2235THS	Core to Major	Visitor Precincts and Infrastructure	10
Tri 2	2203THS	Core to Major	Tourism Transportation Management	10
Tri 1	3200THS	Core to Major	Destination Marketing	10
Tri 1	3203THS	Core to Major	Tourism Economics	10
Tri 2	3009THS	Core to Major	Tourism Futures (capstone course)	10

Bachelor of Engineering (Honours) - Majors (3 available)

Civil Engineering

Year 2

You must complete the following courses:

Trimester	Course code	Requirement	Course title	CP
Tri 1	2205NSC	Hons Core to Major	Calculus II	10
Tri 1	2002ENG	Hons Core to Major	Fluid Mechanics and Hydraulics	10
Tri 1	2101ENG	Hons Core to Major	Mechanics of Materials I	10
Tri 1	2104ENG	Hons Core to Major	Construction Methods and Practices	10
Tri 2	2004ENG	Hons Core to Major	Hydrology	10
Tri 2	2102ENG	Hons Core to Major	Soil Mechanics	10
Tri 2	2103ENG	Hons Core to Major	Structural Design	10

Year 3

You must complete the following courses:

Trimester	Course code	Requirement	Course title	CP
Tri 1	3101ENG	Hons Core to Major	Structural Analysis	10
Tri 1	3102ENG	Hons Core to Major	Geotechnical Engineering	10
Tri 1	3107ENG	Hons Core to Major	Construction Materials	10
Tri 2	3103ENG	Hons Core to Major	Concrete Structures	10
Tri 2	3113ENG	Hons Core to Major	Civil Engineering Design Project	10

Year 4

You must complete the following courses:

Trimester	Course code	Requirement	Course title	CP
Tri 1	6002ENG	Hons Core to Major	IAP (see Note 1)	40
Tri 2	6106ENG	Hons Core to Major	Transportation Engineering	10
Tri 2	6003ENG	Hons Core to Major	Integrated Design Project	10

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

Electrical and Electronic Engineering

Year 2

You must complete the following courses:

Trimester	Course code	Requirement	Course title	CP
Tri 1	2205NSC	Hons Core to Major	Calculus II	10
Tri 1	2319ENG	Hons Core to Major	Introduction to Electronics	10
Tri 1	2322ENG	Hons Core to Major	Engineering C	10
Tri 2	2303ENG	Hons Core to Major	Embedded Systems	10
Tri 2	2305ENG	Hons Core to Major	Signals and Systems	10
Tri 2	2314ENG	Hons Core to Major	Engineering Electromagnetics	10
Tri 2	2318ENG	Hons Core to Major	Electromechanics	10

Year 3

You must complete the following courses:

Trimester	Course code	Requirement	Course title	CP
Tri 1	3304ENG	Hons Core to Major	Control Systems	10
Tri 1	3312ENG	Hons Core to Major	Electrical Design Project	10
Tri 1	3322ENG	Hons Core to Major	Electromagnetic Waves and Propagation	10
Tri 2	3319ENG	Hons Core to Major	Power Transmission and Distribution	10
Tri 2	3325ENG	Hons Core to Major	Numerical Engineering Methods	10

Year 4

You must complete the following courses:

Trimester	Course code	Requirement	Course title	CP
Tri 1	6321ENG	Hons Core to Major	Discrete Time Signal Processing	10
Tri 1	6315ENG	Hons Core to Major	Communication Systems	10
Tri 2	6002ENG	Hons Core to Major	IAP (see Note 1)	40

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

Mechanical Engineering

Year 2

You must complete the following courses:

Trimester	Course code	Requirement	Course title	CP
Tri 1	2205NSC	Hons Core to Major	Calculus II	10
Tri 1	2517ENG	Hons Core to Major	Kinematics and Dynamics	10
Tri 1	2101ENG	Hons Core to Major	Mechanics of Materials I	10
Tri 1	2502ENG	Hons Core to Major	Mechanical Engineering Design	10
Tri 2	2501ENG	Hons Core to Major	Manufacturing Technology	10
Tri 2	2201ENG	Hons Core to Major	Engineering Thermodynamics	10
Tri 2	2318ENG	Hons Core to Major	Electromechanics	10
Tri 2	2105ENG	Hons Core to Major	Mechanics of Materials 2	10

Year 3

You must complete the following courses:

Trimester	Course code	Requirement	Course title	CP
Tri 1	2002ENG	Hons Core to Major	Fluid Mechanics and Hydraulics	10
Tri 1	3304ENG	Hons Core to Major	Control Systems	10
Tri 1	3508ENG	Hons Core to Major	Materials and Manufacturing	10
Tri 2	3511ENG	Hons Core to Major	Design of Machine Elements	10

Year 4

You must complete the following courses:

Trimester	Course code	Requirement	Course title	CP
Tri 1	4007ENG	Hons Core to Major	Heat and Mass Transfer Engineering	10
Tri 1	6522ENG	Hons Core to Major	Computational Statics and Dynamics	10
Tri 2	6002ENG	Hons Core to Major	IAP (see Note 1)	40

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

Electives (1 available)

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 Program Director. You must ensure that you do not exceed the maximum of Level 1 courses in your entire program.

Elective courses may be available at multiple campuses and during a different trimester. Click on the course to find out more information on where and when the course is offered.

Trimester	Course code	Requirement	Course title	CP
Tri 2	2008EHR	Free-choice Elective	Business Communication (not offered from 2022)	10
Tri 1,2 or 3	2043IBA	Free-choice Elective	Innovation, Creativity and Entrepreneurship	10
Tri 1	3019EHR	Free-choice Elective	The Realities and Potentials of Workplaces	10
Tri 2	3014IBA	Free-choice Elective	Negotiation Knowledge and Skill	10
Tri 3	3016EHR	Free-choice Elective	Disruption, Technology and Workplaces (not offered from 2021)	10
Tri 2,3	3029MKT	Free-choice Elective	Self-Marketing	10
Tri 2	3038IBA	Free-choice Elective	The Business of Changing the World	10
Tri 3	3100AFE	Free-choice Elective	Indigenous Australians: Everybody's Business (not offered from 2023)	10
			courseLineOperator	
Tri 3	3100GBS	Free-choice Elective	Indigenous Australians: Everybody's Business	10
Tri 1	3114IBA	Free-choice Elective	Management Problem Solving (not offered from 2022)	10
Tri 1,2	3400THS	Free-choice Elective	Career Development (not offered from 2023)	10
			courseLineOperator	
Tri 1,2	2400THS	Free-choice Elective	Career Development (formerly 3400THS)	10
Tri 3	3310THS	Free-choice Elective	Community Based Ecotourism Field Study (not offered in 2022)	10