QUT

Diploma in Information Technology

Year	2022
QUT code	IT10
CRICOS	081616G
Duration (full-time domestic)	8 months
Duration (full-time international)	12 months
Duration (part-time domestic)	16 months
ATAR/Selection rank	60.00
Domestic fee (indicative)	2022: CSP \$9,700 per year full-time (96 credit points)
International fee (indicative)	2022: \$21,570 per course (96 credit points)
Total credit points	96
Credit points full-time sem.	48
Start months	November, July, February
Int. Start Months	November, July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Annetta Spathis (annetta.spathis@qut.edu .au)
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	5.5
Listening	5.0
Reading	5.0
Writing 5.0	
Speaking 5.0	

QUT International College

International students may upgrade to the QUT Bachelor of Information Technology through QUT International College at our Kelvin Grove campus.

The University Diploma in Information Technology is equivalent to two semesters of the Bachelor of Information Technology degree with a total of 96 credit points (48 standard credit points for a full-time semester).

In the University Diploma program, students study six degree core units as well as two English language units that have been designed to support the other core units.

Progression to the Bachelor of Information Technology

Students who successfully complete these eight units with a grade point average of 4 (on a 7-point scale) and obtain a grade of at least 4 in Professional Communication 2 are given two semesters full-time advanced standing towards their degree and are guaranteed a place in the Bachelor of Information Technology.

Students who complete the University Diploma in Information Technology are also eligible for 96 credit points towards the Bachelor of Corporate Systems Management and Bachelor of Games and Interactive Entertainment.

Sample Structure

Code	Title	
Teaching Period 1		
ITD103	IT Systems Design	
ITD104	Building IT Systems	
ITD105	Database Management	
QCD110	Academic Communication 1	
Teaching Period 2		
ITD102	Introduction to Computer Systems	
ITD121	Programming Principles	
ITD122	Modelling Techniques for Information Systems	
QCD210	Academic Communication 2	

Semesters

- Teaching Period 1
- Teaching Period 2
- Teaching Period 3
- Teaching Period 4
- <u>* Please note this is a</u> recommended study plan only

Code	Title		
Teaching Period 1			
ITD104	Building IT Systems		
ITD105	Database Management		
Teaching	Teaching Period 2		
ITD103	IT Systems Design		
QCD210	Academic Communication 2		
Teaching	Period 3		
ITD102	Introduction to Computer Systems		
ITD121	Programming Principles		
Teaching Period 4			
ITD122	Modelling Techniques for Information Systems		
BSD105	The Future Enterprise		
* Please note this is a recommended study plan only			



QUT

Bachelor of Data Science

Year	2022
QUT code	DS01
CRICOS	103170C
Duration (full-time)	3 years
Duration (part-time domestic)	6 years
ATAR/Selection rank	84.00
Offer Guarantee	Yes
Domestic fee (indicative)	2022: CSP \$6,300 per year full-time (96 credit points)
International fee (indicative)	2022: \$34,200 per year full-time (96 credit points)
Total credit points	288
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Paul Wu
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Assumed knowledge

 Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English

requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Domestic Course structure

Your QUT Bachelor of Data Science degree consists of 288 credit points (24 units) arranged as follows:

(a) 192 credit points (16 units) of Core discipline units; and

(b) 96 credit points of complementary studies comprising of two Minors (4 unit set each) chosen from:

- Computational and Simulation Science
- Data Mining and Artificial Intelligence
- Information Systems
- Optimisation and Stochastic Modelling
- Advanced Computing for Data Science

International Course structure

Your QUT Bachelor of Data Science degree consists of 288 credit points (24 units) arranged as follows:

(a) 192 credit points (16 units) of Core discipline units; and(b) 96 credit points of complementary studies comprising of two Minors (4 unit set each) chosen from:

• Computational and Simulation

Science

- Data Mining and Artificial Intelligence
- Information Systems
- Optimisation and Stochastic Modelling
- Advanced Computing for Data Science

Sample Structure

- Semesters
 - Year 1, Semester 1
 - Year 1, Semester 2
 - Year 2, Semester 1
 Year 2, Semester 2
 - Year 2, Semester 2
 Year 3, Semester 1
 - Year 3, Semester 2

Code	Title
Year 1, S	emester 1
IFB104	Building IT Systems
IFB105	Database Management
MXB101	Probability and Stochastic Modelling 1
MXB100	Introductory Calculus and Algebra
OR	
MXB105	Calculus and Differential Equations
Year 1, S	emester 2
CAB201	Programming Principles
DSB100	Fundamentals of Data Science
IAB206	Modern Data Management
MXB107	Introduction to Statistical Modelling
Year 2, S	emester 1
MXB242	Regression and Design
MXB262	Visualising Data
CAB301	Algorithms and Complexity
Minor Uni	t
Year 2, S	emester 2
CAB330	Data and Web Analytics
OR	
IAB303	Data Analytics for Business Insight
Minor Uni	t
Minor Uni	t
Minor Unit	
Year 3, Semester 1	
CAB420	Machine Learning
MXB344	Generalised Linear Models
Minor Unit	
Minor Unit	
Year 3, Semester 2	
DSB300	Data Science Capstone Project



Bachelor of Data Science

MXB362	Advanced Visualisation and Data Science	
Minor Uni	t	
Minor Unit		

Bachelor of Information Technology

Year	2022
QUT code	IN01
CRICOS	012656E
Duration (full-time)	3 years
Duration (part-time domestic)	6 years
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2022: CSP \$8,100 per year full-time (96 credit points)
International fee (indicative)	2022: \$36,200 per year full-time (96 credit points)
Total credit points	288
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Wayne Kelly

Domestic Entry requirements Domestic Assumed

knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Assumed knowledge

 General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English

requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Course Overview

This degree equips you to build and apply creative, innovative IT solutions across diverse industries. A hands-on, real world based curriculum gives you the opportunity to explore a wide range of areas within IT, and gain deep understanding within your chosen area specialty, such as networking, software development, data warehousing, business processes, information management, web technologies, or digital societies. You experience an innovative, hands-on approach to learning through projects where you develop IT systems. You will be able to gain entrepreneurial skills if you wish to learn how to develop an idea into a commercial opportunity. You learn to harness your creativity and people skills to maximise the impact of your technical know-how relative to the IT marketplace. It positions you for a challenging and rewarding career within the global economy.

Course Design

Requirements for the completion of IN01 Bachelor of Information Technology(Study Area A) are as follows:

(a) 72 credit points (6 units) of IT Core units, which includes 24 credit points (2 units) of Option Units selected from an approved list.

(b) 120 credit points (10 units) of Major Core units

(c) 96 credit points of complementary studies comprising of either a Second Major (8 unit set); or two Minors (4 unit set each); or one Minor (4 unit set) plus 4 elective units.

Majors

Choose your primary area of study, also known as your major, in the following specialisation areas: Information Systems or Computer Science.

Options List

The Bachelor of Information Technology Core Unit Options List comprises a range of units from which you choose to undertake two (2). You are able to undertake these options in any semester. The options include introductory units from a wide variety of disciplines offered at QUT.

Complementary Studies

Students may elect to undertake a Second Major (8 unit set), or two Minors (4 unit set each), or one Minor (4 unit set) plus 4 elective units.

Second Major:

A choice of one second major from:

- Technology Innovation and Design
- Computational and Simulation Science

Minors:

A choice of two minors from either Faculty or University Wide Options.

Professional Recognition

Professional recognition can be found in the individual majors of the Bachelor of Information Technology (IN01).

Pathways for Further Study

The QUT Bachelor of Information Technology is located at Level 7 of the Australian Qualifications Framework (AQF). Eligible graduates may continue their studies in these disciplines with an additional honours year in (IN10) Bachelor of Information Technology (Honours).



Year	2022
QUT code	IN01
CRICOS	012656E
Duration (full-time)	3 years
Duration (part-time domestic)	6 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2022: CSP \$8,100 per year full-time (96 credit points)
International fee (indicative)	2022: \$36,200 per year full-time (96 credit points)
Total credit points	288
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Wayne Kelly
Discipline Coordinator	Dr Jinglan Zhang +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Year 12 early offer scheme

If you're a current Queensland Year 12 student, you may be eligible to receive an offer for this course on the last day of Queensland Year 12, before receiving your ATAR or selection rank.

Find out more about the QUT Year 12 Early Offer Scheme

Helping you to get into your course

If you don't think your ATAR or selection rank is high enough to get into this course, you can guarantee your entry with guaranteed advanced standing by upgrading through one the following programs which you can select as one of your QTAC preferences:

QUT College Diplomas

As a QUT College Diploma in Esports (information technology pathway) or Information Technology graduate you will automatically receive an offer to start the Bachelor of Information Technology within one week after completion of the diploma. You will also automatically receive up to 1.0 year (96 credit points) credit transfer and be able to complete the degree in 2 years as a full-time student (or equivalent part-time).

Find out more about the QUT College Diploma in Esports

Find out more about the QUT College Diploma in Information Technology

Dual TAFE-Qld Brisbane/QUT award

If you enrol in a QTAC offer in a <u>Diploma</u> of Information Technology dual TAFE-QId <u>Brisbane/QUT award</u> you will automatically receive a QUT conditional offer in June (semester 1 QTAC offer) or October (semester 2 QTAC offer) after your enrolment at TAFE-QId Greater Brisbane is confirmed.

Upon completion of the TAFE-Qld diploma you will be able to enrol at QUT. You will also automatically receive 1 year (96 credit points) credit transfer and be able to complete the degree in 2 years as a full-time student (or equivalent parttime). More details will be provided in your QUT conditional offer letter.

Domestic Assumed knowledge

Before you start this course we assume

you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Assumed knowledge

 General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking 6.0	

Overview

Computer science is the scientific and practical approach to computer-based system design, development and operation. Its subfields range from the fundamental principles of computation through to tools and techniques for IT system development and evaluation. It includes identifying and solving systems design issues associated with achieving critical properties such as correctness, efficiency, robustness, usability and security. Its application extends into specialised areas including mobile computing, artificial intelligence, robotics, and large-scale information management involving information retrieval and web search engines.

Career Outcomes

Computer Science graduates will: •be experienced in the principles and practice of software development; • be familiar with the principles and operation of networked systems; and • have a sound understanding of the shared foundations underlying all modern computer-based technologies.

In addition, depending on their choice of optional study areas, they will have the opportunity to gain specific expertise in Information Security, Networks and



Bachelor of Information Technology (Computer Science)

Communications, Intelligent Systems, Data-Centric Computing, or Human-Computer Interaction.

Course Design

Your QUT Bachelor of Information Technology (Computer Science) degree consists of 288 credit points (24 units) arranged as follows:

a) 72 credit points (6 units) of Computer Science Core units, which includes 2 units from a selected options list.

b) 120 credit points (10 units) of Computer Science discipline units

c) 96 credit points of complementary studies comprising of either a Second Major (8 unit set); or two Minors (4 unit set each); or one Minor (4 unit set) plus 4 elective units.

Computer Science Core Units

These units will engage you in understanding Computer Science from a practical approach with an understanding of a range of disciplinary and multidisciplinary perspectives. Later core units, together with the discipline specific units, will progress your learning development through experiential and enquiry based learning to apply this knowledge in practical systems development projects.

Computer Science Major Discipline Units

These units give you discipline level knowledge, skills and application competencies from introductory through intermediate, culminating with advanced graduate level units. They focus on developing your knowledge, practice and higher order thinking to an advanced level.

Complementary Studies Options

Second Major:

A choice of one second major from:

Technology Innovation and Design Second Major
Computational and Simulation Science Second Major

Minors:

A choice of two minors from the lists below:

•Business Process Management Minor •Data-Centric Computing Extension Minor •Information Systems Minor Enterprise Systems Minor
Human-Computer Interaction Minor
Intelligent Systems Minor
Mobile Applications Minor
Networks and Security Minor
Social Technology Minor
Software Development for IS and Games Minor

•Technology Innovation Minor •University Wide Minors

Professional membership

Graduates are eligible for membership of the ACS (Australian Computer Society)

Domestic Course structure

Requirements for the completion of IN01 Bachelor of Information Technology (Study Area A) are as follows:

- 72 credit points (6 units) of information technology core units, which includes 24 credit points (2 units) of option unit* selected from an approved list
- 120 credit points (10 units) of major core units
- 96 credit points of complementary studies comprising of either a second major (8 unit set); or two minors (4 unit set each); or one minor (4 unit set) plus 4 elective units.

*Unit options list - comprises a range of units from which you choose to undertake two units. You are able to undertake the option unit in any semester. The options include introductory units from a wide variety of disciplines offered at QUT.

International Course structure

Requirements for the completion of IN01 Bachelor of Information Technology (Study Area A) are as follows:

- 72 credit points (6 units) of information technology core units, which includes 24 credit points (2 units) of option unit* selected from an approved list
- 120 credit points (10 units) of major core units
- 96 credit points of complementary studies comprising of either a second major (8 unit set); or two minors (4 unit set each); or one minor (4 unit set) plus 4 elective units.

*Unit options list - comprises a range of units from which you choose to undertake two units. You are able to undertake the option unit in any semester. The options include introductory units from a wide variety of disciplines offered at QUT.

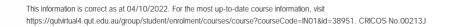
Sample Structure Semesters

- emesters
 - Year 1, Semester 1
 SELECT MAJOR
 - Year 1, Semester 2
 - Year 2, Semester 1
 - Year 2, Semester 2
 - Year 3, Semester 1
 - Year 3, Semester 2
- <u>Note:</u>

Code			
	Title		
Year 1, Semester 1			
IFB102	Introduction to Computer Systems		
IFB103	IT Systems Design		
IFB104	Building IT Systems		
IFB105	Database Management		
SELECT	MAJOR		
	should select their major prior ng in their Core Option Units		
Year 1, S	emester 2		
CAB201	Programming Principles		
CAB202	Microprocessors and Digital Systems		
Core Unit	t Option		
Core Unit	•		
Year 2, S	emester 1		
	Discrete Structures		
CAB302	Software Development		
2nd Majo	r/Minor unit		
2nd Majo	r/Minor unit		
-	emester 2		
	Networks		
IFB295	IT Project Management		
2nd Majo	r/Minor unit		
2nd Majo	2nd Major/Minor unit		
Year 3, S	emester 1		
CAB301	Algorithms and Complexity		
IFB398	Capstone Project (Phase 1)		
2nd Majo	r/Minor unit		
2nd Majo	r/Minor unit OR		
CS Major	Elective choice from:		
CAB402	Programming Paradigms		
CAB420	Machine Learning		
Year 3, S	emester 2		
IFB399	Capstone Project (Phase 2)		
2nd Majo	r/Minor unit		
2nd Majo	r/Minor unit		
2nd Majo	r/Minor unit OR		
CS Major	Elective choice from:		
CAB401	High Performance and Parallel Computing		
CAB403	Systems Programming		
Note:			
12 credit	points (1 unit) to be selected		

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from the CS Major Elective Unit Option list

Year	2022
QUT code	IN01
CRICOS	012656E
Duration (full-time)	3 years
Duration (part-time domestic)	6 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2022: CSP \$8,100 per year full-time (96 credit points)
International fee (indicative)	2022: \$36,200 per year full-time (96 credit points)
Total credit points	288
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Wayne Kelly
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Year 12 early offer scheme

If you're a current Queensland Year 12 student, you may be eligible to receive an offer for this course on the last day of Queensland Year 12, before receiving your ATAR or selection rank.

Find out more about the QUT Year 12 Early Offer Scheme

Helping you to get into your course

If you don't think your ATAR or selection rank is high enough to get into this course, you can guarantee your entry with guaranteed advanced standing by upgrading through one the following programs which you can select as one of your QTAC preferences:

QUT College Diplomas

As a QUT College Diploma in Esports (information technology pathway) or Information Technology graduate you will automatically receive an offer to start the Bachelor of Information Technology within one week after completion of the diploma. You will also automatically receive up to 1.0 year (96 credit points) credit transfer and be able to complete the degree in 2 years as a full-time student (or equivalent part-time).

Find out more about the QUT College Diploma in Esports

Find out more about the QUT College Diploma in Information Technology

Dual TAFE-Qld Brisbane/QUT award

If you enrol in a QTAC offer in a <u>Diploma</u> of Information Technology dual TAFE-QId <u>Brisbane/QUT award</u> you will automatically receive a QUT conditional offer in June (semester 1 QTAC offer) or October (semester 2 QTAC offer) after your enrolment at TAFE-QId Greater Brisbane is confirmed.

Upon completion of the TAFE-Qld diploma you will be able to enrol at QUT. You will also automatically receive 1 year (96 credit points) credit transfer and be able to complete the degree in 2 years as a full-time student (or equivalent parttime). More details will be provided in your QUT conditional offer letter.

Domestic Assumed knowledge

Before you start this course we assume

you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Assumed knowledge

 General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Overview

Information systems focuses on identifying organisational requirements for applications and acquiring effective systems solutions, whether custom designed and built or selected and implemented, to meet the requirements. Skills involve the design and development of large database applications for business, as well as the purchase and implementation of packaged software addressing business problems. It does not require in-depth knowledge of computer programming but rather indepth specialised knowledge of databases and software used in business or of the means to analyse business needs and, in partnership with the systems users, design solutions to the inefficiencies or ineffectiveness of business processes.

Career Outcomes

Information Systems graduates will have skills in design, systems thinking, stakeholder engagement and modelling and abstraction which position them to work as Business Analysts, IS Consultants, solving a range of organisational problems. In addition, depending on their choice of optional study areas, they will have the opportunity to gain specific expertise in



Bachelor of Information Technology (Information Systems)

Business Process Management, Social Media, Mobile Application Development or Services & Solutions undertaken through complementary minors. Specific skills in Service and Outcomes Management can be gained in the complementary minor called Service and Outcomes Management, which positions graduates for IT management roles within organisations.

Finally, further knowledge of and skills in design and innovation can be gained in the secondary major of Systems Innovation, which will lead to careers as IT innovators within enterprises, consulting companies or in their own start-ups.

Course Design

Your QUT Bachelor of Information Technology (Information Systems) degree consists of 288 credit points (24 units) arranged as follows:

a) 72 credit points (6 units) of Information Systems Core units, which includes 2 units from a selected options list.

b) 120 credit points (10 units) of Information Systems discipline units.

c) 96 credit points of complementary studies comprising of either a Second Major (8 unit set); or two Minors (4 unit set each); or one Minor (4 unit set) plus 4 elective units.

Information Systems Core Units

These units will engage you in understanding Information Systems from a range of disciplinary and multidisciplinary perspectives, expose you to the various outcomes available for pursuing studies in this field and introduce the fundamental basis for policy and practice. Later core units, together with the discipline specific units, will progress your learning development through experiential and enquiry based learning in collaborative environments.

Information Systems Major Discipline Units

These units give you discipline level knowledge, skills and application competencies from introductory through intermediate, culminating with advanced graduate level units. They focus on developing your knowledge, practice and higher order thinking to an advanced level.

Complementary Studies Options

Second Major:

A choice of one second major from:

•Technology Innovation and Design Second Major

•Computational and Simulation Science Second Major

Minors:

A choice of two minors from the lists below:

•Business Process Management Minor

- •Computer Science Minor
- •Enterprise Systems Minor
- •Human-Computer Interaction Minor
- •Information Systems
- *Intelligent Systems Minor
- •Mobile Applications Minor
- •Networks and Security Minor
- Social Technology Minor

•Software Development for IS and Games Minor

•Technology Innovation Minor

<u>University Wide Minors</u>

Professional Recognition

Graduates are eligible for membership of the ACS (Australian Computer Society)

Domestic Course structure

Requirements for the completion of IN01 Bachelor of Information Technology (Study Area A) are as follows:

- 72 credit points (6 units) of information technology core units, which includes 24 credit points (2 units) of option unit* selected from an approved list
- 120 credit points (10 units) of major core units
- 96 credit points of complementary studies comprising of either a second major (8 unit set); or two minors (4 unit set each); or one minor (4 unit set) plus 4 elective units.

*Unit options list - comprises a range of units from which you choose to undertake one unit. You are able to undertake this option in any semester. The options include introductory units from a wide variety of disciplines offered at QUT.

International Course structure

Requirements for the completion of IN01 Bachelor of Information Technology (Study Area A) are as follows:

- 72 credit points (6 units) of information technology core units, which includes 24 credit points (2 units) of option unit* selected from an approved list
- 120 credit points (10 units) of major core units

 96 credit points of complementary studies comprising of either a second major (8 unit set); or two minors (4 unit set each); or one minor (4 unit set) plus 4 elective units.

*Unit options list - comprises a range of units from which you choose to undertake one unit. You are able to undertake this option in any semester. The options include introductory units from a wide variety of disciplines offered at QUT.

Sample Structure

Semesters

- Year 1, Semester 1
- SELECT MAJOR
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
 Year 3, Semester 1
- Year 3, Semester 2
- Note:

	Title	
Year 1, S	emester 1	
IFB102	Introduction to Computer Systems	
IFB103	IT Systems Design	
IFB104	Building IT Systems	
IFB105	Database Management	
SELECT	MAJOR	
Students should select their major prior to enrolling in their Core Option Units		
Year 1, S	emester 2	
IAB201	Modelling Techniques for Information Systems	
IAB207	Rapid Web Application Development	
Core Unit	Option	
Core Unit	Option	
Year 2, S	emester 1	
IAB203	Business Process Modelling	
IAB204	Business Requirements Analysis	
2nd Major	r/Minor unit	
2nd Major	r/Minor unit	
Year 2, S	emester 2	
IFB295	IT Project Management	
IAB305	Information Systems Lifecycle Management	
2nd Majo	r/Minor unit	
-	r/Minor unit OR	
IS Major Elective choice from:		
IAB206	Modern Data Management	
IAB320	Business Process Improvement	
IAB303	Data Analytics for Business Insight	
Year 3, S	emester 1	

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This information is correct as at 04/10/2022. For the most up-to-date course information, visit https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?courseCode=IN01&id=38950. CRICOS No.00213J

Bachelor of Information Technology (Information Systems)

IFB398	Capstone Project (Phase 1)	
2nd Major/Minor unit		
2nd Major/Minor unit		
2nd Major/Minor unit OR		
IS Major Elective choice from:		
IAB260	Social Technologies	
IAB321	Business Process Technologies	
IAB402	Information Systems Consulting	
Year 3, Semester 2		
IFB399	Capstone Project (Phase 2)	
IAB401	Enterprise Architecture	
2nd Major/Minor unit		
2nd Major/Minor unit		
Note:		
12 credit points (1 unit) to be selected		

from the IS Major Elective Unit Option list

Semesters

- Year 1, Semester 2
- SELECT MAJOR
 Year 2, Semester 1
 Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
 Year 4, Semester 1
- Note:

Code Title

Code	litie	
Year 1, Semester 2		
IFB102	Introduction to Computer Systems	
IFB103	IT Systems Design	
IFB104	Building IT Systems	
IFB105	Database Management	
SELECT	MAJOR	
	should select their major prior ng in their Core Option Units	
Year 2, S	emester 1	
IAB201	Modelling Techniques for Information Systems	
IAB207	Rapid Web Application Development	
Core Unit Option		
Core Unit Option		
Year 2, Semester 2		
IAB305	Information Systems Lifecycle Management	
IFB295	IT Project Management	
Core Unit Option		
2nd Major/Minor unit		
Year 3, Semester 1		
IAB203	Business Process Modelling	
IAB204	Business Requirements Analysis	
2nd Major/Minor unit		

2nd Major/Minor unit		
Year 3, Semester 2		
IAB401	Enterprise Architecture	
IFB398	Capstone Project (Phase 1)	
2nd Major/Minor unit		
2nd Majo	r/Minor unit OR	
IS Major	Elective choice from:	
IAB206	Modern Data Management	
IAB320	Business Process Improvement	
IAB303	Data Analytics for Business Insight	
Year 4, Semester 1		
Year 4, S	emester 1	
Year 4, S IFB399	emester 1 Capstone Project (Phase 2)	
IFB399		
IFB399 2nd Majo	Capstone Project (Phase 2)	
IFB399 2nd Majo 2nd Majo	Capstone Project (Phase 2) r/Minor unit	
IFB399 2nd Majo 2nd Majo 2nd Majo	Capstone Project (Phase 2) r/Minor unit r/Minor unit	
IFB399 2nd Majo 2nd Majo 2nd Majo	Capstone Project (Phase 2) r/Minor unit r/Minor unit r/Minor unit OR	
IFB399 2nd Majo 2nd Majo 2nd Majo IS Major	Capstone Project (Phase 2) r/Minor unit r/Minor unit r/Minor unit OR Elective choice from:	
IFB399 2nd Majo 2nd Majo 2nd Majo IS Major IAB260	Capstone Project (Phase 2) r/Minor unit r/Minor unit OR Elective choice from: Social Technologies Information Systems	

12 credit points (1 unit) to be selected from the IS Major Elective Unit Option list



Year	2022
QUT code	IN05
CRICOS	092648J
Duration (full-time)	3 years
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2022: CSP \$8,100 per year full-time (96 credit points)
International fee (indicative)	2022: \$35,300 per year full-time (96 credit points)
Total credit points	288
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Associate Professor Ross Brown

Domestic Assumed

knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Assumed

knowledge

 General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English

requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0



Year	2022
QUT code	IN05
CRICOS	092648J
Duration (full-time)	3 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2022: CSP \$8,100 per year full-time (96 credit points)
International fee (indicative)	2022: \$35,300 per year full-time (96 credit points)
Total credit points	288
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Associate Professor Ross Brown
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Year 12 early offer scheme

If you're a current Queensland Year 12 student, you may be eligible to receive an offer for this course on the last day of Queensland Year 12, before receiving your ATAR or selection rank.

Find out more about the QUT Year 12 Early Offer Scheme

Helping you to get into your course

If you don't think your ATAR or selection rank is high enough to get into this course, you can guarantee your entry with guaranteed advanced standing by upgrading through one the following programs which you can select as one of your QTAC preferences:

QUT College Diploma

As a QUT College Diploma in Esports (information technology pathway) graduate you will automatically receive an offer to start the Bachelor of Information Technology within one week after completion of the diploma. You will also automatically receive up to 1.0 year (96 credit points) credit transfer and be able to complete the degree in 2 years as a full-time student (or equivalent part-time).

Find out more about the QUT College Diploma in Esports

Dual TAFE-Qld Brisbane/QUT award

If you enrol in a QTAC offer in a <u>Diploma</u> of Information Technology dual TAFE-QId <u>Brisbane/QUT award</u> you will automatically receive a QUT conditional offer in June (semester 1 QTAC offer) or October (semester 2 QTAC offer) after your enrolment at TAFE-QId Greater Brisbane is confirmed.

Upon completion of the TAFE-Qld diploma you will be able to enrol at QUT. You will also automatically receive 0.5 year (48 credit points) credit transfer and be able to complete the degree in 2.5 to 3 years as a full-time student (or equivalent part-time). More details will be provided in your QUT conditional offer letter.

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

• English, or Literature, or English and Literature Extension, or English

as an Additional Language (Units 3 & 4, C)

• General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Assumed knowledge

 General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English

requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

Requirements for the completion of IN05 Bachelor of Games and Interactive Environments (Study Area A) are as follows:

- 72 credit points (6 units) of games and interactive environments core units, which includes 24 credit points (2 units) of option units* selected from an approved list.
- 120 credit points (10 units) of Major core units
- 96 credit points of complementary studies comprising of either two minors (4 unit set each); or one minor (4 unit set) plus 48 credit points of elective units.

* Unit options list - comprises a range of units from which you choose to undertake two (2). The core option choices provide you with space in your course to explore other fields such as within Games and Interactive Environment, Information Technology. These units can be used to complement your Major studies or, explore which areas you may choose for your complementary studies.

International Course structure

Requirements for the completion of IN05 Bachelor of Games and Interactive Environments (Study Area A) are as follows:

 72 credit points (6 units) of games and interactive environments core units, which includes 24 credit



Bachelor of Games and Interactive Environments (Animation)

points (2 units) of option units* selected from an approved list.

- 120 credit points (10 units) of Major core units
- 96 credit points of complementary studies comprising of either two minors (4 unit set each); or one minor (4 unit set) plus 48 credit points of elective units.

* Unit options list - comprises a range of units from which you choose to undertake two (2). The core option choices provide you with space in your course to explore other fields such as within Games and Interactive Environment, Information Technology. These units can be used to complement your Major studies or, explore which areas you may choose for your complementary studies.

Sample Structure

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2 Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2

Code	Title	
Year 1, Semester 1		
IGB180	Computer Games Studies	
IGB181	Game Production and Technology	
IFB103	IT Systems Design	
IFB104	Building IT Systems	
Year 1, S	emester 2	
KNB127	CGI Foundations	
KNB136	Visual Storytelling: Production Design	
Core Unit Option unit		
Core Unit Option unit		
Year 2 Se	emester 1	
IGB100	Game Studio 1: Mini-Game Development	
KNB137	Digital Worlds	
Complem	entary Studies Unit	
Complementary Studies Unit		
Year 2, Semester 2		
IGB200	Game Studio 2: Applied Game Development	
KNB135	Animation Aesthetics	
Complementary Studies Unit		
Complementary Studies Unit		
Year 3, S	emester 1	
IFB398	Capstone Project (Phase 1)	
[IGB300 is replaced by IFB398 from 2021]		
KNB217	Digital Creatures	
Complementary Studies Unit		

Complementary Studies Unit

Note: if you have completed IFB398 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.

Year 3, Semester 2

IFB399	Capstone Project (Phase 2)
[IGB301 is replaced by IFB399 from 2021]	
IGB400	Game Studio 3: Game Innovation

Complementary Studies Unit

Complementary Studies Unit

Note: if you have completed IFB399 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.



Bachelor of Games and Interactive Environments (Game Design)

Year	2022
QUT code	IN05
CRICOS	092648J
Duration (full-time)	3 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2022: CSP \$8,100 per year full-time (96 credit points)
International fee (indicative)	2022: \$35,300 per year full-time (96 credit points)
Total credit points	288
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Associate Professor Ross Brown
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Year 12 early offer scheme

If you're a current Queensland Year 12 student, you may be eligible to receive an offer for this course on the last day of Queensland Year 12, before receiving your ATAR or selection rank.

Find out more about the QUT Year 12 Early Offer Scheme

Helping you to get into your course

If you don't think your ATAR or selection rank is high enough to get into this course, you can guarantee your entry with guaranteed advanced standing by upgrading through one the following programs which you can select as one of your QTAC preferences:

QUT College Diploma

As a QUT College Diploma in Esports (information technology pathway) graduate you will automatically receive an offer to start the Bachelor of Information Technology within one week after completion of the diploma. You will also automatically receive up to 1.0 year (96 credit points) credit transfer and be able to complete the degree in 2 years as a full-time student (or equivalent part-time).

Find out more about the QUT College Diploma in Esports

Dual TAFE-Qld Brisbane/QUT award

If you enrol in a QTAC offer in a <u>Diploma</u> of Information Technology dual TAFE-QId <u>Brisbane/QUT award</u> you will automatically receive a QUT conditional offer in June (semester 1 QTAC offer) or October (semester 2 QTAC offer) after your enrolment at TAFE-QId Greater Brisbane is confirmed.

Upon completion of the TAFE-Qld diploma you will be able to enrol at QUT. You will also automatically receive 0.5 year (48 credit points) credit transfer and be able to complete the degree in 2.5 to 3 years as a full-time student (or equivalent part-time). More details will be provided in your QUT conditional offer letter.

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

• English, or Literature, or English and Literature Extension, or English

as an Additional Language (Units 3 & 4, C)

• General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Assumed knowledge

 General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English

requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

Requirements for the completion of IN05 Bachelor of Games and Interactive Environments (Study Area A) are as follows:

- 72 credit points (6 units) of games and interactive environments core units, which includes 24 credit points (2 units) of option units* selected from an approved list.
- 120 credit points (10 units) of Major core units
- 96 credit points of complementary studies comprising of either two minors (4 unit set each); or one minor (4 unit set) plus 48 credit points of elective units.

* Unit options list - comprises a range of units from which you choose to undertake two (2). The core option choices provide you with space in your course to explore other fields such as within Games and Interactive Environment, Information Technology. These units can be used to complement your Major studies or, explore which areas you may choose for your complementary studies.

International Course structure

Requirements for the completion of IN05 Bachelor of Games and Interactive Environments (Study Area A) are as follows:

 72 credit points (6 units) of games and interactive environments core units, which includes 24 credit



Bachelor of Games and Interactive Environments (Game Design)

points (2 units) of option units* selected from an approved list.

- 120 credit points (10 units) of Major core units
- 96 credit points of complementary studies comprising of either two minors (4 unit set each); or one minor (4 unit set) plus 48 credit points of elective units.

* Unit options list - comprises a range of units from which you choose to undertake two (2). The core option choices provide you with space in your course to explore other fields such as within Games and Interactive Environment, Information Technology. These units can be used to complement your Major studies or, explore which areas you may choose for your complementary studies.

Sample Structure

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
 Year 3, Semester 1
- Year 3, Semester 1

• <u>Tear 5; Semester 2</u>			
Code	Title		
Year 1, S	Year 1, Semester 1		
IGB180	Computer Games Studies		
IGB181	Game Production and Technology		
IFB103	IT Systems Design		
IFB104	Building IT Systems		
Year 1, S	emester 2		
DXB205	Interactive Narrative Design		
IGB220	Fundamentals of Game Design		
Core Unit	Option unit		
Core Unit	t Option unit		
Year 2, S	emester 1		
DXB211	Creative Coding		
IGB100	Game Studio 1: Mini-Game Development		
Complem	Complementary Studies Unit		
Complementary Studies Unit			
Year 2, S	emester 2		
IGB200	Game Studio 2: Applied Game Development		
IGB321	Immersive Game Level Design		
[CAB210 is replaced by IGB321 from 2021]			
Complementary Studies Unit			
Complementary Studies Unit			
Year 3, Semester 1			
IFB398	Capstone Project (Phase 1)		
[IGB300 i 2021]	s replaced by IFB398 from		

IGB388	Design and Development of Immersive Environments	
[IGB320 is replaced by IGB388 from 2021]		
Complementary Studies Unit		
Complementary Studies Unit		
Note: if you have completed IFB398 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.		
Coordinat	or.	
	or. emester 2	
Year 3, S IGB301	emester 2 Capstone Project (Game	
Year 3, S IGB301 [IGB301 i	emester 2 Capstone Project (Game Development)	
Year 3, S IGB301 [IGB301 i 2021] IGB400	emester 2 Capstone Project (Game Development) s replaced by IFB399 from Game Studio 3: Game	
Year 3, S IGB301 [IGB301 i 2021] IGB400 Complem	emester 2 Capstone Project (Game Development) s replaced by IFB399 from Game Studio 3: Game Innovation	

assistance in updating your Study Plan

accordingly and to inform the

Coordinator.



Bachelor of Games and Interactive Environments (Software Technologies)

Year	2022
QUT code	IN05
CRICOS	092648J
Duration (full-time)	3 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2022: CSP \$8,100 per year full-time (96 credit points)
International fee (indicative)	2022: \$35,300 per year full-time (96 credit points)
Total credit points	288
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Associate Professor Ross Brown
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Year 12 early offer scheme

If you're a current Queensland Year 12 student, you may be eligible to receive an offer for this course on the last day of Queensland Year 12, before receiving your ATAR or selection rank.

Find out more about the QUT Year 12 Early Offer Scheme

Helping you to get into your course

If you don't think your ATAR or selection rank is high enough to get into this course, you can guarantee your entry with guaranteed advanced standing by upgrading through one the following programs which you can select as one of your QTAC preferences:

QUT College Diploma

As a QUT College Diploma in Esports (information technology pathway) graduate you will automatically receive an offer to start the Bachelor of Information Technology within one week after completion of the diploma. You will also automatically receive up to 1.0 year (96 credit points) credit transfer and be able to complete the degree in 2 years as a full-time student (or equivalent part-time).

Find out more about the QUT College Diploma in Esports

Dual TAFE-Qld Brisbane/QUT award

If you enrol in a QTAC offer in a <u>Diploma</u> of Information Technology dual TAFE-QId <u>Brisbane/QUT award</u> you will automatically receive a QUT conditional offer in June (semester 1 QTAC offer) or October (semester 2 QTAC offer) after your enrolment at TAFE-QId Greater Brisbane is confirmed.

Upon completion of the TAFE-Qld diploma you will be able to enrol at QUT. You will also automatically receive 0.5 year (48 credit points) credit transfer and be able to complete the degree in 2.5 to 3 years as a full-time student (or equivalent part-time). More details will be provided in your QUT conditional offer letter.

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

• English, or Literature, or English and Literature Extension, or English

as an Additional Language (Units 3 & 4, C)

• General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Assumed knowledge

 General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English

requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

Requirements for the completion of IN05 Bachelor of Games and Interactive Environments (Study Area A) are as follows:

- 72 credit points (6 units) of games and interactive environments core units, which includes 24 credit points (2 units) of option units* selected from an approved list.
- 120 credit points (10 units) of Major core units
- 96 credit points of complementary studies comprising of either two minors (4 unit set each); or one minor (4 unit set) plus 48 credit points of elective units.

* Unit options list - comprises a range of units from which you choose to undertake two (2). The core option choices provide you with space in your course to explore other fields such as within Games and Interactive Environment, Information Technology. These units can be used to complement your Major studies or, explore which areas you may choose for your complementary studies.

International Course structure

Requirements for the completion of IN05 Bachelor of Games and Interactive Environments (Study Area A) are as follows:

 72 credit points (6 units) of games and interactive environments core units, which includes 24 credit



Bachelor of Games and Interactive Environments (Software Technologies)

points (2 units) of option units* selected from an approved list.

- 120 credit points (10 units) of Major core units
- 96 credit points of complementary studies comprising of either two minors (4 unit set each); or one minor (4 unit set) plus 48 credit points of elective units.

* Unit options list - comprises a range of units from which you choose to undertake two (2). The core option choices provide you with space in your course to explore other fields such as within Games and Interactive Environment, Information Technology. These units can be used to complement your Major studies, or explore which areas you may choose for your complementary studies.

Sample Structure

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2 .
- Year 3, Semester 1
- Year 3, Semester 2

Code	Title		
Year 1, S	emester 1		
IGB180	Computer Games Studies		
IGB181	Game Production and Technology		
IFB103	IT Systems Design		
IFB104	Building IT Systems		
Year 1, S	emester 2		
CAB201	Programming Principles		
IGB283	Game Engine Theory and Application		
Core Unit	Option unit		
Core Unit	Option unit		
Year 2, S	emester 1		
CAB301	Algorithms and Complexity		
IGB100	Game Studio 1: Mini-Game Development		
Complem	entary Studies Unit		
Complem	Complementary Studies Unit		
Year 2, S	emester 2		
IGB200	Game Studio 2: Applied Game Development		
Complementary Studies Unit			
Complementary Studies Unit			
Complementary Studies Unit			
Year 3, Semester 1			
IFB398	Capstone Project (Phase 1)		
[IGB300 is replaced by IFB398 from 2021]			
IGB383	AI for Games		
[IGB381 is replaced by IGB388 from			

2021]

IGB388	Design and Development of	
190300	Immersive Environments	

Complementary Studies Unit

Note: if you have completed IFB398 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.

Year 3, Semester 2

IFB399 Capstone Project (Phase 2) [IGB301 is replaced by IFB399 from 2021] Game Studio 3: Game IGB400

Innovation **Complementary Studies Unit**

Complementary Studies Unit

Note: if you have completed IFB399 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.



QUT

Bachelor of Mathematics

Year	2022
QUT code	MS01
CRICOS	049433D
Duration (full-time)	3 years
Duration (part-time domestic)	6 years
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2022: CSP \$4,600 per year full-time (96 credit points)
International fee (indicative)	2022: \$32,700 per year full-time (96 credit points)
Total credit points	288
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Professor Tim Moroney

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Assumed knowledge

 Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Course Overview

The Bachelor of Mathematics course provides a modern and rigorous training in mathematics to prepare students both for graduate careers in industry and government as well as for honours and postgraduate research work. This course provides students with a mathematics degree that clearly defines paths of study associated with different graduate outcomes in order to meet the wide range of employment possibilities open to mathematics graduates. As well as this, it maintains for students the option to complete a degree that is heavily mathematical through the inclusion of second major and minor options in mathematics and statistics.

The course combines underlying theory with modelling, computational skills and the latest computer technology to enable students to solve real-world problems and prepare them for their future career. Skill development in communication, problem solving, critical thinking and teamwork form an integral part of this course.

Course Design

Your QUT Bachelor of Mathematics degree consists of 288 credit points (24

units) arranged as follows:

(a) 72 credit points (6 units) of Core units, which are further divided into 48 credit points (4 units) of Mathematics Core units, and 24 credit points (2 units) of Core Option units selected from an approved list.

(b) 120 credit points (10 units) of Major Core units, comprising from a choice of one (1) Major in either:

- Applied and Computational Mathematics;
- Decision Science; or
- Statistical Science.

(c) Professional Recognition

Professional recognition can be found in the individual majors of the Bachelor of Mathematics (MS01).

Pathways to Further Study

The QUT Bachelor of Mathematics is located at Level 7 of the Australian Qualifications Framework (AQF). Eligible graduates may continue their studies in this discipline with an additional honours year in (MS10) Bachelor of Mathematics (Honours).



Bachelor of Mathematics (Applied and Computational Mathematics)

Year	2022
QUT code	MS01
CRICOS	049433D
Duration (full-time)	3 years
Duration (part-time domestic)	6 years
ATAR/Selection rank	84.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2022: CSP \$4,600 per year full-time (96 credit points)
International fee (indicative)	2022: \$32,700 per year full-time (96 credit points)
Total credit points	288
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Professor Tim Moroney
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Assumed knowledge

 Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Overview

The Applied and Computational Mathematics major provides high quality learning for students who want to combine their studies in mathematics with considerable involvement in real-world applications and computational simulations. The major introduces you to a wide range of concepts in mathematical foundations, modelling and computational methods, and provides strong links between theory and application. You will investigate underlying mathematical theory to see how it can be applied to real-world scenarios from many fields of study including the physical and chemical sciences, biology, engineering and the social sciences. You will also develop computational solution and simulation methods to couple with modelling skills in order to investigate large-scale applied problems.

Course Design

Your QUT Bachelor of Mathematics degree consists of 288 credit points (24 units) arranged as follows:

(a) 72 credit points (6 units) of Core units, which are further divided into 48 credit points (4 units) of Mathematics Core

units, and 24 credit points (2 units) of Core Option units selected from an approved list.

(b) 120 credit points (10 units) of Major Core units

(c) 96 credit points of complementary studies comprising of either a Second Major (8 unit set) or two Minors (4 unit set each).

Mathematics Core Units

These units give you the grounding in mathematical theory and practice upon which your major units will build, and also provide an introductory taste of each of the three majors: applied and computational mathematics; decision science; and statistical science.

Core Option Units List

You may choose from a wide variety of introductory units from other disciplines offered at QUT, or you may choose additional mathematics units. The additional mathematics units include a unit specially designed to assist students without a background of successful study in Mathematics C at high school; an alternative unit aimed at high achieving students that explores some interesting and unusual aspects of mathematics in some detail; and a unit introducing the field of computational and simulation science which combines mathematics, science and computing to simulate realworld problems.

Major Units

Your major is your area of specialisation, in which you will acquire in-depth knowledge and expertise, preparing you for your entry into the workforce or for further study. All majors share the same introductory and advanced units in algebra and calculus, meaning you do not need to decide on your major upfront.

Complementary Studies

Applied and Computational Mathematics Major students may elect to undertake a Second Major (8 unit set) or two Minors (4 unit set each)

Second Major:

A choice of one second major from: • Decision Science

- Statistical Science
 - Computational and Simulation Science
- 00101
- Accountancy



Bachelor of Mathematics (Applied and Computational Mathematics)

- **Applied Economics and Finance**
- Logistics Management
- Biological Sciences
- Chemistry .
- Earth Science
- **Environmental Science**
- Physics

Minors:

- Decision Science
- Statistical Science .
- Discrete Mathematics
- Computational and Simulation Science
- **Biological Sciences** ٠
- Chemistry
- Earth Science
- **Environmental Science**
- Physics
- International exchange
- University Wide Minors

Career Outcomes

As a graduate of the Bachelor of Mathematics (Applied and Computational Mathematics) you will find employment opportunities across a wide range of areas, such as finance, investment, information technology, environmental management, health, marketing, logistics, defence, medicine, education and research. In addition to your knowledge and abilities in mathematics, you will also be highly valued for your analytical and problem-solving skills.

Professional Recognition

Graduates are eligible for membership in the Australian Mathematical Society (AMS), and ANZIAM.

Domestic Course structure

Your QUT Bachelor of Mathematics degree consists of 288 credit points (24 units) arranged as follows:

- 96 credit points (8 units) of core units, including 12 credit points (1 unit) of core option selected from an approved list
- 96 credit points (8 units) of major units
- 96 credit points of complementary studies comprising of either a second major (8 unit set) or two minors (4 unit set each)

Mathematics core units

These units give you the grounding in mathematical theory and practice upon which your major units will build, and also provide an introductory taste of each of the three majors: applied and computational mathematics; operations research; and statistics.

Core option units

You may choose from a wide variety of introductory units from other disciplines offered at QUT, or you may choose additional mathematics units. The additional mathematics units include a unit specially designed to assist students without a background of successful study in Mathematics C at high school; an alternative unit aimed at high achieving students that explores some interesting and unusual aspects of mathematics in some detail; and a unit introducing the field of computational and simulation science which combines mathematics, science and computing to simulate realworld problems.

***Note: Students who haven't completed Specialist Mathematics (Maths C) in high school must select MXB100 as at Core Option in semester 1.

Major units

Your major is your area of specialisation, in which you will acquire in-depth knowledge and expertise, preparing you for your entry into the workforce or for further study. All majors share the same introductory and advanced units in algebra and calculus, meaning you do not need to decide on your major until your second year of study.

Second major or minors

You may choose to undertake a second major: an eight-unit set in which you will acquire a significant depth of knowledge and expertise in an area to complement your major. You may choose a second major in operations research, statistics, computational and simulation science, data science, accountancy, applied economics and finance, biological sciences, chemistry, earth science, environmental science or physics.

Alternatively you may choose to undertake two minors: four-unit sets with intermediate to advanced level content which extend or supplement studies in your major. Minors are available from a range of inter- and intra-faculty disciplines, as well as experiential minors such as international exchange.

International Course structure

Course Design

Your QUT Bachelor of Mathematics degree consists of 288 credit points (24 units) arranged as follows:

- 96 credit points (8 units) of core units, including 12 credit points (1 unit) of core option selected from an approved list
- 96 credit points (8 units) of major units
- 96 credit points of complementary studies comprising of either a second major (8 unit set) or two minors (4 unit set each)

Mathematics core units

These units give you the grounding in mathematical theory and practice upon which your major units will build, and also provide an introductory taste of each of the three majors: applied and computational mathematics; operations research; and statistics.

Core option units

You may choose from a wide variety of introductory units from other disciplines offered at QUT, or you may choose additional mathematics units. The additional mathematics units include a unit specially designed to assist students without a background of successful study in Mathematics C at high school; an alternative unit aimed at high achieving students that explores some interesting and unusual aspects of mathematics in some detail; and a unit introducing the field of computational and simulation science which combines mathematics, science and computing to simulate realworld problems.

***Note: Students who haven't completed Specialist Mathematics (Maths C) in high school must select MXB100 as at Core Option in semester 1.



Bachelor of Mathematics (Applied and Computational Mathematics)

Major units

Your major is your area of specialisation, in which you will acquire in-depth knowledge and expertise, preparing you for your entry into the workforce or for further study. All majors share the same introductory and advanced units in algebra and calculus, meaning you do not need to decide on your major until your second year of study.

Second major or minors

You may choose to undertake a second major: an eight-unit set in which you will acquire a significant depth of knowledge and expertise in an area to complement your major. You may choose a second major in operations research, statistics, computational and simulation science, data science, accountancy, applied economics and finance, biological sciences, chemistry, earth science, environmental science or physics.

Alternatively you may choose to undertake two minors: four-unit sets with intermediate to advanced level content which extend or supplement studies in your major. Minors are available from a range of inter- and intra-faculty disciplines, as well as experiential minors such as international exchange.

Sample Structure

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1 Year 2, Semester 2
- .
- Year 3, Semester 1
- Year 3, Semester 2
- <u>NOTE</u>:

Code Title

Year 1, Semester 1	
MXB101	Probability and Stochastic Modelling 1
MXB102	Abstract Mathematical Reasoning
MXB106	Linear Algebra
MXB161	Computational Explorations
Please note: Students who haven't	

taken Specialst mathematics (Maths C) in high school must take MXB100 in Semester 1 instead of MXB161.

Year 1, Semester 2	
MXB103	Introductory Computational Mathematics
MXB105	Calculus and Differential Equations
MXB107	Introduction to Statistical Modelling
Core Unit Option*	
Year 2, Semester 1	

Computational
d Differential
to Statistical

MXB201	Advanced Linear Algebra
MXB225	Modelling with Differential Equations 1
2nd Majo	r/Minor unit
2nd Majo	r/Minor unit
Year 2, S	emester 2
MXB202	Advanced Calculus
MXB226	Computational Methods 1
2nd Major/Minor unit	
2nd Majo	r/Minor unit
Year 3, S	emester 1
MXB322	Partial Differential Equations
MXB326	Computational Methods 2
2nd Majo	r/Minor unit
2nd Majo	r/Minor unit
Year 3, S	emester 2
MXB325	Modelling with Differential Equations 2
MXB328	Work Integrated Learning in Applied and Computational Mathematics
2nd Majo	r/Minor unit
2nd Majo	r/Minor unit
NOTE:	
	it Options may be taken in any

semester - depending on choice of Options/ 2nd Major/ Minors



Year	2022
QUT code	MS01
CRICOS	049433D
Duration (full-time)	3 years
Duration (part-time domestic)	6 years
ATAR/Selection rank	84.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2022: CSP \$4,600 per year full-time (96 credit points)
International fee (indicative)	2022: \$32,700 per year full-time (96 credit points)
Total credit points	288
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Professor Tim Moroney
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Assumed knowledge

 Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Overview

Decision science is a mathematical discipline that considers how to make appropriate and better decisions in complex decision-making problems. It deals with how best to design, operate and/or predict behaviour of complex systems like people, machinery, materials and money in industry, business, finance, education, government and defence. The Decision Science major encompasses the study of quantitative techniques relevant to decision-making in its broadest sense. You will employ a problem-solving approach, using advanced analytical methods such as operations research, financial mathematics, stochastic and mathematical modelling, and mathematical optimisation. Along the way you will also use a variety of software and improve your information technology skills. Because of its emphasis on humantechnology interaction and its focus on practical applications, Decision Science overlaps with other disciplines, notably industrial engineering and operations management, economics and finance. This is a multi-disciplinary field.

The coursework also introduces you to different industries and processes that greatly contribute to the economy and

environment of nations around the world. These include manufacturing and production, management, health care, finance and economics, goods and services, infrastructure, transportation and logistics, mining, defence, etc. This study area provides a foundation for a variety of careers, and further study.

There is a strong emphasis on:

Sample Structure Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- NOTE:

Code	Title
Year 1, S	emester 1
MXB101	Probability and Stochastic Modelling 1
MXB102	Abstract Mathematical Reasoning
MXB106	Linear Algebra
MXB161	Computational Explorations
taken Spe in high sc Semester unit will c	e note: Students who haven't ecialst mathematics (Maths C) hool must take MXB100 in r 1 instead of MXB161. This ount as their core option.
Year 1, S	emester 2
MXB103	Introductory Computational Mathematics
MXB105	Calculus and Differential Equations
MXB107	Introduction to Statistical Modelling
Core Unit	Option*
Year 2, S	emester 1
MXB201	Advanced Linear Algebra
MXB232	Introduction to Operations Research
2nd Major/Minor unit	
2nd Majo	r/Minor unit
	emester 2
MXB202	Advanced Calculus
MXB241	Probability and Stochastic Modelling 2
2nd Majo	r/Minor unit
2nd Majo	r/Minor unit
Year 3, S	emester 1
MXB332	Optimisation Modelling
MXB341	Statistical Inference
2nd Majo	r/Minor unit



2nd Major/Minor unit Year 3, Semester 2 MXB334 Operations Research for Stochastic Processes MXB338 Work Integrated Learning in Operations Research 2nd Major/Minor unit 2nd Major/Minor unit NOTE: Vortice

*Core Unit Options may be taken in any semester - depending on choice of Options/ 2nd Major/ Minors



Bachelor of Mathematics (Statistics)

Year	2022
QUT code	MS01
CRICOS	049433D
Duration (full-time)	3 years
Duration (part-time domestic)	6 years
ATAR/Selection rank	84.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2022: CSP \$4,600 per year full-time (96 credit points)
International fee (indicative)	2022: \$32,700 per year full-time (96 credit points)
Total credit points	288
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Professor Tim Moroney
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Assumed knowledge

 Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Overview

The Statistical Science major will provide you with the methodology for analysing data using empirical, theoretical and computational tools. You will discover complex statistical techniques and concepts through applications and datasets from the real world, providing strong links between theory and application. Many of our academics are world leaders in research and have strong industry ties that ensure the relevance of teaching material and high-guality learning experiences. The major will provide you with a fundamental and thorough understanding of statistics and statistical methodology, and the ability to apply such quantitative skills in real-world scenarios. Thus we aim to prepare you for a career in industry, government and/or research.

Course Design

Your QUT Bachelor of Mathematics degree consists of 288 credit points (24 units) arranged as follows:

(a) 72 credit points (6 units) of Core units, which are further divided into 48 credit points (4 units) of Mathematics Core units, and 24 credit points (2 units) of Core Option units selected from an approved list.

(b) 120 credit points (10 units) of Major Core units

(c) 96 credit points of complementary studies comprising of either a Second Major (8 unit set) or two Minors (4 unit set each).

Mathematics Core Units

These units give you the grounding in mathematical theory and practice upon which your major units will build, and also provide an introductory taste of each of the three majors: applied and computational mathematics; decision science; and statistical science.

Core Option Units List

You may choose from a wide variety of introductory units from other disciplines offered at QUT, or you may choose additional mathematics units. The additional mathematics units include a unit specially designed to assist students without a background of successful study in Mathematics C at high school; an alternative unit aimed at high achieving students that explores some interesting and unusual aspects of mathematics in some detail; and a unit introducing the field of computational and simulation science which combines mathematics, science and computing to simulate realworld problems.

Major Units

Your major is your area of specialisation, in which you will acquire in-depth knowledge and expertise, preparing you for your entry into the workforce or for further study. All majors share the same introductory and advanced units in algebra and calculus, meaning you do not need to decide on your major upfront.

Complementary Studies

Statistical Science Major students may elect to undertake a Second Major (8 unit set) or two Minors (4 unit set each)

Second Major:

A choice of one second major from:

- Applied and Computational Mathematics
- •
- Decision Science
- Accountancy
- Applied Economics and Finance
- Logistics Management



- Biological Sciences
- Chemistry
- Earth Science
- •
- Environmental Science
- •
- Physics

Minors:

- Applied and Computational Mathematics
- •
- Decision Science
- Discrete Mathematics
- Discrete matrici
- Computational and Simulation Science
- •
- Biological Sciences
- Chemistry
- •
- Earth Science
- Environmental Science
- Physics
- International exchange
- <u>University Wide Minors</u>

Career Outcomes

Career outcomes for graduates of the Bachelor of Mathematics (Statistical Science) include data analyst, quantitative analyst, researcher, risk analyst, and statistician. Positions of this nature are often found with employers such as the Australian Bureau of Statistics, Queensland Treasury, state and Commonwealth governments, financial institutions, CSIRO, insurance companies, medical companies.

Professional Recognition

Graduates are eligible for membership in the Statistical Society of Australia

Domestic Course structure

Your QUT Bachelor of Mathematics degree consists of 288 credit points (24

- units) arranged as follows:
 - 96 credit points (8 units) of core units, which include a core option units selected from an approved list
 - 96 credit points (8 units) of major units
 - 96 credit points of complementary studies comprising of either a second major (8 unit set) or two minors (4 unit set each)

Mathematics core units

These units give you the grounding in mathematical theory and practice upon which your major units will build, and also provide an introductory taste of each of the three majors: applied and computational mathematics; operations research; and statistics.

Core option units

You may choose from a wide variety of introductory units from other disciplines offered at QUT, or you may choose additional mathematics units. The additional mathematics units include a unit specially designed to assist students without a background of successful study in Mathematics C at high school; an alternative unit aimed at high achieving students that explores some interesting and unusual aspects of mathematics in some detail; and a unit introducing the field of computational and simulation science which combines mathematics, science and computing to simulate realworld problems.

*** Please note: Students who haven't taken Specialst mathematics (Maths C) in high school must take MXB100 in Semester 1 instead of MXB161. This unit will count as their core option.

Major units

Your major is your area of specialisation, in which you will acquire in-depth knowledge and expertise, preparing you for your entry into the workforce or for further study. All majors share the same introductory and advanced units in algebra and calculus, meaning you do not need to decide on your major until your second year of study.

Second major or minors

You may choose to undertake a second major: an eight-unit set in which you will acquire a significant depth of knowledge and expertise in an area to complement your major. You may choose a second major in applied and computational mathematics, data science, operations research, computational and simulation science, accountancy, applied economics and finance, physics, chemistry, biological science, earth science or environmental science. Alternatively you may choose to undertake two minors: four-unit sets with intermediate to advanced level content which extend or supplement studies in your major. Minors are available from a range of inter- and intra-faculty disciplines, as well as experiential minors such as international exchange.

International Course structure Course Design

Your QUT Bachelor of Mathematics degree consists of 288 credit points (24 units) arranged as follows:

- 96 credit points (8 units) of core units, which include a core option units selected from an approved list
 96 credit points (8 units) of major
- 96 credit points of complementary
- 96 credit points of complementary studies comprising of either a second major (8 unit set) or two minors (4 unit set each)

Mathematics Core Units

These units give you the grounding in mathematical theory and practice upon which your major units will build, and also provide an introductory taste of each of the three majors: applied and computational mathematics; operations research; and statistics.

Core Option Units

You may choose from a wide variety of introductory units from other disciplines offered at QUT, or you may choose additional mathematics units. The additional mathematics units include a unit specially designed to assist students without a background of successful study in Mathematics C at high school; an alternative unit aimed at high achieving students that explores some interesting and unusual aspects of mathematics in some detail; and a unit introducing the field of computational and simulation science which combines mathematics. science and computing to simulate realworld problems.

*** Please note: Students who haven't taken Specialst mathematics (Maths C) in high school must take MXB100 in Semester 1 instead of MXB161. This unit will count as their core option.

Major Units

Your major is your area of specialisation, in which you will acquire in-depth knowledge and expertise, preparing you for your entry into the workforce or for further study. All majors share the same introductory and advanced units in algebra and calculus, meaning you do not need to decide on your major until your



This information is correct as at 04/10/2022. For the most up-to-date course information, visit https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?course?Code=MS01&id=38999. CRICOS No.00213J

Bachelor of Mathematics (Statistics)

second year of study.

Second Major or Minors

You may choose to undertake a second major: an 8 unit set in which you will acquire a significant depth of knowledge and expertise in an area to complement your major. You may choose a second major in applied and computational mathematics, data science, operations research, computational and simulation science, accountancy, applied economics and finance, physics, chemistry, biological science, earth science or environmental science.

Alternatively you may choose to undertake two minors: 4 unit sets with intermediate to advanced level content which extend or supplement studies in your major. Minors are available from a range of inter- and intra-faculty disciplines, as well as experiential minors such as international exchange.

Sample Structure

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1 Year 3, Semester 2

Title

NOTE:

Codo

Code	litle
Year 1, S	emester 1
MXB101	Probability and Stochastic Modelling 1
MXB102	Abstract Mathematical Reasoning
MXB106	Linear Algebra
MXB161	Computational Explorations
taken Spe in high sc Semester	ote: Students who haven't ecialst mathematics (Maths C) hool must take MXB100 in r 1 instead of MXB161. This ount as their core option.
Year 1, S	emester 2
MXB103	Introductory Computational Mathematics
MXB105	Calculus and Differential Equations
MXB107	Introduction to Statistical Modelling
Core Unit	Option*
Year 2, S	emester 1
Year 2, S MXB201	
	Advanced Linear Algebra
MXB201 MXB242	Advanced Linear Algebra
MXB201 MXB242 2nd Majo	Advanced Linear Algebra Regression and Design

MXB202	Advanced Calculus	
MXB241	Probability and Stochastic Modelling 2	
2nd Major/Minor unit		
2nd Major/Minor unit		
Year 3, S	emester 1	
MXB341	Statistical Inference	
MXB344	Generalised Linear Models	
2nd Major/Minor unit		
2nd Major/Minor unit		
Year 3, Semester 2		
MXB343	Modelling Dependent Data	
MXB348	Work Integrated Learning in Statistics	
2nd Major/Minor unit		
2nd Major/Minor unit		
NOTE:		

*Core Unit Options may be taken in any semester - depending on choice of Options/ 2nd Major/ Minors



Year	2022
QUT code	MV01
CRICOS	103172A
Duration (full-time)	4 years
ATAR/Selection rank	84.00
Offer Guarantee	Yes
Domestic fee (indicative)	2022: CSP \$4,500 per year full-time (108 credit points)
International fee (indicative)	2022: \$34,300 per year full-time (108 credit points)
Total credit points	432
Credit points full-time sem.	48
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Additional entry requirements

You must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

To demonstrate this you must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. Details are available from the <u>QTAC initial teacher</u> <u>education webpage</u>.

If you've achieved a 'satisfactory' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the 'satisfactory' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at 'unsatisfactory' after two test attempts for that component.

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Entry requirements

Additional entry requirements Pass the Initial Teacher

Education Course (ITE) Capabilities Criteria.

Applicants must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

You must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. In the questionnaire you will be asked to:

- Rank a series of potentially appropriate statement responses, in order of what you think is most to least important.
- Provide two x 500 word written

statements addressing the categories and indicators as outlined on the <u>Teacher Entry Fact</u> <u>Sheet</u>.

QUT will send you details on how to complete the Initial Teacher Education Course (ITE) Capabilities Criteria questionnaire and submit your written statements after you have lodged an application.

If you've achieved a 'satisfactory' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the 'satisfactory' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at 'unsatisfactory' after two test attempts for that component.

International Assumed knowledge

 Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	7.5	
Listening	8.0	
Reading	7.0	
Writing	7.0	
Speaking	8.0	

Domestic Course structure

This course is a vertical double degree, combining MV01 Bachelor of Mathematics with EU50 Master of Teaching (Secondary).

International Course structure

This course is a vertical double degree, combining MV01 Bachelor of Mathematics with EU50 Master of Teaching (Secondary).

Sample Structure

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Summer
 Maths opt
- Maths options *
- Year 2, Semester 1



Bachelor of Mathematics/Master of Teaching (Secondary)

- Year 2, Semester 2 ٠ Year 2, Summer 2 (EU50 Master of Teaching (Secondary))
- Year 3, Semester 1 Year 3, Semester 2 ٠
- Year 4, Semester 1 •
- Year 4, Semester 2

Code	Title		
Year 1, S	'ear 1, Semester 1		
MXB101	Probability and Stochastic Modelling 1		
MXB102	Abstract Mathematical Reasoning		
MXB106	Linear Algebra		
MXB105	Calculus and Differential Equations		
Year 1, S	emester 2		
MXB103	Introductory Computational Mathematics		
MXB107	Introduction to Statistical Modelling		
MXB161	Computational Explorations		
MXB241	Probability and Stochastic Modelling 2		
Summer			
Maths Op	otional unit *		
Maths op	tions *		
Select on	e unit (12 credit points) from		
the list be	low.		
MXB100	Introductory Calculus and Algebra		
	udents who haven't completed		
	Specialist Mathematics MUST		
select MX	,		
MXB261	Modelling and Simulation Science		
MXB262	Visualising Data		
SEB104	Grand Challenges in Science		
Year 2, S	emester 1		
MXB201	Advanced Linear Algebra		
MXB225	Modelling with Differential		
or			
MXB242	Regression and Design		
MXB232	Introduction to Operations Research		
IFB104	Building IT Systems		
Year 2, Semester 2			
MXB202	Advanced Calculus		
MXB226	Computational Methods 1		
MXB334	Operations Research for Stochastic Processes		
CAB201	Programming Principles		
	ummer 2 (EU50 Master of		
Teaching	(Secondary))		
EUN101	Supporting Innovative Pedagogy with Digital Technologies		

EUN102	Child and Adolescent Development	
EUN103	Teaching EAL/D Learners	
EUN104	Culture Studies: Indigenous Education	
Year 3, S	emester 1	
EUN105	Teaching in New Times	
EUN120	Curriculum and Pedagogy 1: Foundations	
MXB322	Partial Differential Equations	
OR		
MXB332	Optimisation Modelling	
MXB326	Computational Methods 2	
OR		
MXB341	Statistical Inference	
Year 3, S	emester 2	
EUN109	Inclusive Teaching for Diverse Learners	
EUN110	Teachers as Leaders and Entrepreneurial Thinkers	
EUN121	Curriculum and Pedagogy 2: Planning	
EUN122	Curriculum and Pedagogy 3: Assessment	
EUN130	Professional Experience: Introduction to Professional Practice	
days prof	ed Unit: EUN130. Contains 15 essional experience and a blue card	
Year 4, S	emester 1	
EUN211	Understanding Adolescent Learners	
EUN221	Curriculum and Pedagogy 4: Senior A	
EUN222	Curriculum and Pedagogy 5: Senior B	
EUN231	Professional Experience: Informing Professional Practice	
Designated Unit: EUN231. Contains 20 days professional experience and		
days prof	ed Unit: EUN231. Contains 20 essional experience and	
days prof requires a	ed Unit: EUN231. Contains 20 essional experience and a blue card	
days prof requires a	ed Unit: EUN231. Contains 20 essional experience and a blue card emester 2 Curriculum and Pedagogy 6:	
days prof requires a Year 4, S	ed Unit: EUN231. Contains 20 essional experience and a blue card emester 2	
days prof requires a Year 4, S EUN223 EUN232 Designate days prof requires a	ed Unit: EUN231. Contains 20 essional experience and a blue card emester 2 Curriculum and Pedagogy 6: Learning Project Professional Experience: Transition to Professional Practice ed Unit: EUN232. Contains 25 essional experience and a blue card. Must be taken in semester of study.	
days prof requires a Year 4, S EUN223 EUN232 Designate days prof requires a your final EUN240	ed Unit: EUN231. Contains 20 essional experience and a blue card emester 2 Curriculum and Pedagogy 6: Learning Project Professional Experience: Transition to Professional Practice ed Unit: EUN232. Contains 25 essional experience and a blue card. Must be taken in	

the university for the real world



Advanced Statistical Data MXN600 Analysis

Bachelor of Science

Year	2022
QUT code	ST01
CRICOS	077696D
Duration (full-time)	3 years
Duration (part-time domestic)	6 years
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2022: CSP \$8,000 per year full-time (96 credit points)
International fee (indicative)	2022: \$39,100 per year full-time (96 credit points)
Total credit points	288
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February Commencing studies in 2022: this program is available for on-campus studies only.
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Graham Johnson

Domestic Entry requirements International Assumed knowledge

 Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English

requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Course Rules

1. To fulfil the requirements for the award of the Bachelor of Science degree, you must complete a total of at least 288 credit points, comprising at least 192 credit points of science units. The units completed for the award of the degree must include:

(a) the first year program as outlined in the course summary

(b) a major study

(c) a second major study or two minor areas of study

Major and second major studies are defined in terms of the discipline area and the academic level at which the units are offered.

Major

A major must be completed in one of the following discipline areas: biological sciences; chemistry; earth science; environmental science; physics. A major comprises 120 credit points of units at advanced level, including at least 48 credit points at the third level.

Second Major

A second major may be completed by selecting appropriate units from another major, or from the following additional discipline areas:

Human Biomolecular Science, Innovation and Entrepreneurship, Policy & Governance, Sustainable Environments for Health, Computational Science, Science Communication.

Minors and Extension Minors

Minors and Extension Minors are offered in the following disciplines:

Analytical Chemistry, Astrophysics, Cell and Molecular Biology, Human Health and Disease, Industrial Chemistry, Sustainable Environments for Health, Wildlife Biology, Marine Science, Plant Biotechnology, Genetics and Genomics, Forensic Science, Applied Ecology.

Non-Science: corporate IT systems, environmental engineering studies, ethics and human rights, foreign languages, games technology, management, marketing, music, nutrition, psychology etc.

Note: A second major comprises 96 credit points with at least 60 credit points at advanced level for the Science second majors and at least 48 credit points for the non-Science second majors. Major and second major studies may be taken in closely related discipline areas.

2. Optional (elective) units may be chosen from (a) ST01 majors/second majors other than those undertaken by a student, (b) other appropriate units offered by the Science and Engineering Faculty, and (c) units offered by other faculties.

3. Students are normally expected to complete the course in minimum time. A full-time student normally enrols in an average of 48 credit points per semester for six semesters and a part-time student normally enrols in 24 credit points per semester for 12 semesters. (A full-time student is one who is enrolled in 36 or more credit points per semester, whereas a part-time student is one who is enrolled in less than 36 credit points per semester.)

Notes on the Rules

1. For offerings in the Science and Engineering Faculty, the term advanced level refers to units in Schedules 2 and 3. For units offered outside the Science and Engineering Faculty, the term advanced level refers to units for which there is at least one prerequisite unit.

2. Level 2 and level 3 units are listed in Schedules 2 and 3 respectively according to their unit codes. For each unit, the major(s) and/or second major(s) in which the unit is offered are shown. It should be noted that not every advanced level unit offered in each major/second major is mandatory.

3. The major undertaken by a student will qualify the generic award title of BSc and will appear in the award title in



parentheses. The general form of the award will therefore be: BSc(Major).

Domestic Course structure Your science degree

At QUT you'll create your own personal science degree program of 24 units. During your first year of study you'll get to sample a range of core science disciplines, allowing you to decide on your major later.

Faculty core units

These units give you an introduction to the principles of science the opportunity to learn by enquiry, and to broaden your understanding of the core sciences. You'll study four Faculty core units and an Optional unit of your choice selected from an approved list.

From your very first semester, you will collaborate with your peers and teaching staff in QUT's exciting new learning environments. You will explore real-world problems from multiple scientific perspectives and learn the tools of the trade. Depending on your choices, you may find yourself out in the field, working in the laboratory or learning about the impact of scientific discovery on people, policy, industry and the planet.

Working with data you have collected, you'll study how to apply fundamental methods of scientific practice, perform scientific analysis, and learn the tools to present your findings. You'll have the opportunity to explore and discover the range of career and professional outcomes available to you, so you can gain the most from your unit selection and the flexibility the Bachelor of Science has to offer.

Primary major

Your major is your main area of study for what you aspire to become professionally. You will receive in-depth knowledge and expertise within your chosen scientific discipline, preparing you for entry into the workforce or further study.

It comprises 11 units and there are five majors to choose from:

- biological sciences
- chemistry
- earth sciences
- environmental sciences
- physics.

Complementary study areas

This is where you make the degree your own, tailoring your studies to further match your individual career goals with a wide range of complementary study options available. You'll have the opportunity to develop sought-after professional skills, deepen your understanding of your major discipline, pursue an interest from across the university, or broaden your scientific understanding. You can even work with industry or study overseas to gain credit towards your degree.

You can choose: a Second major (eight units); or an Extended minor (four units) or Breadth minor (four units), plus either a Faculty minor (four units) or Breadth minor (four units).

Second major (eight units)

Choose a second area of study to complement your major, and develop a significant depth of knowledge and skills in two discipline areas. Experience another field, learn another academic methodology and experience interdisciplinary networking.

Choose a second Science discipline, or explore different perspectives which might include:

- computational and simulation science
- human biomolecular sciences
- innovation and entrepreneurship, or
- sustainable environments for health

Minor (four units)

You might prefer to expand the breadth and depth of your studies by adding to your chosen science major two minors.



Bachelor of Science (Biological Sciences)

Year	2022
QUT code	ST01
CRICOS	077696D
Duration (full-time)	3 years
Duration (part-time domestic)	6 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2022: CSP \$8,000 per year full-time (96 credit points)
International fee (indicative)	2022: \$39,100 per year full-time (96 credit points)
Total credit points	288
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Graham Johnson
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Year 12 early offer scheme

If you're a current Queensland Year 12 student, you may be eligible to receive an offer for this course on the last day of Queensland Year 12, before receiving your ATAR or selection rank.

Find out more about the QUT Year 12 Early Offer Scheme

Helping you to get into your course

If you don't think your ATAR or selection rank is high enough to get into this course, you can guarantee your entry with guaranteed advanced standing by upgrading through one the following programs which you can select as one of your QTAC preferences:

Dual TAFE-Qld Brisbane/QUT award

If you enrol in a QTAC offer in the following dual TAFE-Qld Brisbane/QUT award you will automatically receive a QUT conditional offer in June after your enrolment at TAFE-Qld Brisbane is confirmed.

<u>Diploma of Laboratory Technology</u>

Upon completion of the TAFE-Qld diploma you will be able to enrol at QUT. You will also automatically receive half a year (48 credit points) credit transfer and be able to complete the degree in 2.5 years as a full-time student (or equivalent part-time). More details will be provided in your QUT conditional offer letter.

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Assumed knowledge

• Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English

requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Overview

Biology is the study of life and living things: animals, insects, plants, and microorganisms; everything that breathes, grows and feeds us; creatures that fly through the air majestically and those that lurk in the depths of the ocean, under rocks, or even under the toilet seat.

Biologists are curious about all these things and want to know how they work, how to grow and protect them—how to get involved with life on this planet.

Biologists also love a challenge. How will we feed a population of eight billion people in 2025? Can we use biological waste to solve our energy crisis? How can we protect our plants and animals from new and fiendish exotic diseases? And how many rare species can we save from extinction?

Why choose this course?

This course will provide a strong foundation in the core biological sciences such as physiology, genetics, zoology, plant sciences and microbiology. It has been designed to be hands on, to develop problem solving skills through active learning, and to give an early appreciation of the way that many disciplines can be brought to bear on a single problem.

As well as receiving core training in the basics through the biology major, students can either add breadth to their degree by choosing a minor from a complementary discipline (e.g. chemistry), or depth to their biological skills through a specialised minor such as biotechnology.

During the course you will experience some of the most advanced laboratories in Australia and be taught by staff who are at the top of their research fields internationally. You can also expect to stay in touch with the real world, as guest lectures, site visits and opportunities for work-integrated learning bring a strong industry flavour to the degree.



Career outcomes

Biology graduates work in a wide range of jobs throughout the public and private sectors, and in a range of environments including offices, laboratories, farms, fields, factories cities and forests.

Laboratory-based careers may include laboratory management, basic research, forensic microbiology, or molecular genetics. Farm and field-based work could entail animal management, plant breeding, entomology, marine biology, or pest and disease management. Industrial work might involve biotechnology to produce food, fuel or pharmaceuticals. Other careers could involve science writing, teaching, policy development, or the commercialisation and the management of biological products and processes.

Professional recognition

Professional recognition can be achieved through membership of an appropriate scientific society, such as the Australian Society for Biochemistry and Molecular Biology, the Ecological Society of Australia, the Australian Society of Horticultural Science and many more.

Domestic Course structure

During your first year of study you'll get to sample a range of core science disciplines, allowing you to decide on your major later.

Faculty core units

These five units give you an introduction to the principles of science. The inquiry based experimental science units will give you the opportunity to learn by enquiry and become familiar with the methods of scientific inquiry.

From your very first semester, you will collaborate with your peers and teaching staff in QUT's exciting new learning environments. You will explore real-world problems from multiple scientific perspectives and learn the tools of the trade. Depending on your choices, you may find yourself out in the field, working in the laboratory or learning about the impact of scientific discovery on people, policy, industry and the planet.

Working with data you have collected, you'll study how to apply fundamental methods of scientific practice, perform scientific analysis, and learn the tools to present your findings. You'll have the opportunity to explore and discover the range of career and professional outcomes available to you, so you can gain the most from your unit selection and the flexibility the Bachelor of Science has

to offer.

Primary major

Your major is your main area of study for what you aspire to become professionally. You will receive in-depth knowledge and expertise within your chosen scientific discipline, preparing you for entry into the workforce or further study. Your primary major comprises 11 units.

Complementary study areas

This is where you make the degree your own, tailoring your studies to further match your individual career goals with a wide range of complementary study options available. You'll have the opportunity to develop sought-after professional skills, deepen your understanding of your major discipline, pursue an interest from across the university, or broaden your scientific understanding. You can even work with industry or study overseas to gain credit towards your degree.

You can choose: a second major (eight units); or two minors (four units each).

Second major (eight units) Choose a second area of study to complement your major, and develop a significant depth of knowledge and skills in two discipline areas. Experience another field, learn another academic methodology and experience interdisciplinary networking.

Choose a second science discipline (chemistry, earth science, environmental science or physics), or explore different perspectives which might include:

- computational and simulation science
- human biomolecular sciences,
- · innovation and entrepreneurship, or
- sustainable environments for health

Minor (four units)

You might prefer to expand the breadth and depth of your studies by adding to your chosen science major two minors.

Sample Structure Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- <u>Biological Sciences Major Unit</u> <u>Options</u>

Code Title

Year 1, Semester 1

SEB104 Grand Challenges in Science

Quantitative Methods in SEB113 Science SEB115 Experimental Science 1 SEB116 Experimental Science 2 Year 1, Semester 2 BVB101 Foundations of Biology **BVB102** Evolution Core Unit Option **Biological Sciences Major Unit Option** Year 2, Semester 1 Experimental Design and **BVB202 Quantitative Methods BVB301** Animal Biology 2nd major or minor unit 2nd major or minor unit Year 2, Semester 2 BVB201 **Biological Processes** BVB204 Ecology 2nd major or minor unit 2nd major or minor unit Year 3, Semester 1 BVB203 Plant Biology Microbiology and the **BVB305** Environment 2nd major or minor unit 2nd major or minor unit Year 3, Semester 2 Population Genetics and **BVB313** Molecular Ecology BVB304 Integrative Biology 2nd major or minor unit 2nd major or minor unit Biological Sciences Major Unit Options CVB101 General Chemistry Chemical Structure and CVB102 Reactivity ERB101 Earth Systems ERB102 Evolving Earth Ecosystems and the EVB102 Environment Introductory Calculus and **MXB100** Algebra PVB101 Physics of the Very Large PVB102 Physics of the Very Small

Climate change is the foremost critical challenge to the sustainability and habitability of the Earth as we know it. There is rapidly growing demand for expertise in the science that governs climate and informs models of climate change - across the private sector, within many Australian government organisations, and in research institutions. This minor delivers a strong understanding of climate science and combines it with relevant knowledge



about ocean-atmosphere interaction, insight into global change, sustainability and air quality and climate change mitigation measures. This combination is ideally suited to equip you with diverse backgrounds and primary interests to tackle the mounting challenges in areas such as sea level change mitigation, local climate adaptation, sustainable resource management and coastal ocean climate mitigation.

Climate Science unit set		
Code	Title	
ST01MNR-CLIMSCI		
Please note: Earth Science Major Students - ERB202 is replaced by EVB203 Geospatial Information Science under the Climate Science minor. Please contact the faculty for study plan assistance		
ERB211	Global Change	
ERB311	Dynamic Atmosphere	
PQB360 Introduction to Climate Change		
ERB202	Marine and Atmospheric Systems	



QUT

Bachelor of Science (Chemistry)

Year	2022
QUT code	ST01
CRICOS	077696D
Duration (full-time)	3 years
Duration (part-time domestic)	6 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2022: CSP \$8,000 per year full-time (96 credit points)
International fee (indicative)	2022: \$39,100 per year full-time (96 credit points)
Total credit points	288
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Graham Johnson
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Year 12 early offer scheme

If you're a current Queensland Year 12 student, you may be eligible to receive an offer for this course on the last day of Queensland Year 12, before receiving your ATAR or selection rank.

Find out more about the QUT Year 12 Early Offer Scheme

Helping you to get into your course

If you don't think your ATAR or selection rank is high enough to get into this course, you can guarantee your entry with guaranteed advanced standing by upgrading through one the following programs which you can select as one of your QTAC preferences:

Dual TAFE-Qld Brisbane/QUT award

If you enrol in a QTAC offer in the following dual TAFE-Qld Brisbane/QUT award you will automatically receive a QUT conditional offer in June after your enrolment at TAFE-Qld Brisbane is confirmed.

<u>Diploma of Laboratory Technology</u>

Upon completion of the TAFE-Qld diploma you will be able to enrol at QUT. You will also automatically receive half a year (48 credit points) credit transfer and be able to complete the degree in 2.5 years as a full-time student (or equivalent part-time). More details will be provided in your QUT conditional offer letter.

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Assumed knowledge

• Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English

requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Overview

Chemists are involved in most areas of science, technology, environment and industry; for example, medicinal drugs, nanotechnology, water and air quality and energy production. Manufacturing industries rely on chemists to ensure that quality and safety standards are maintained. The development of better and safer drugs depends heavily on the input of chemists.

Chemistry is the study of structures, properties, synthesis and reactions of molecules and materials and these principles are fundamental to many other disciplines, including biotechnology, environmental science, geosciences, materials science and food science.

At QUT you will study analytical, physical, organic and inorganic chemistry with an additional focus on modern applications such as nanotechnology, analytical chemistry, and spectroscopy.

Why choose this course?

The QUT chemistry degree is a qualification that is known and respected by employers. Many employers prefer QUT chemistry graduates, especially those with an extension minor in chemistry, because of their advanced technical skills, their experience with modern instrumentation and their training in scientific communication.

After two years' study, you will be eligible to apply for the Queensland Health Analytical Chemistry Scholarship (available only to QUT chemistry students), which pays \$21 000 for your third year, with guaranteed employment for two years after graduation#.

Our training in analytical chemistry throughout the chemistry degree is renowned nationally. You will undertake a comprehensive laboratory program including experiments using modern computer-based analytical instruments and gain vital knowledge and experience in the health and safety aspects of handling chemicals. You will learn under the guidance of highly respected



lecturers, most of whom are actively involved in cutting-edge research.

Career outcomes

Among a diverse range of employment opportunities, you may become an industrial chemist, materials scientist, environmental chemist, quality control analyst, laboratory supervisor, food chemist, or an organic/inorganic chemist. Your interaction with QUT experts in current fields of interest, including drug development, clay and minerals chemistry, renewable energy sources, nanotechnology, environmental monitoring, and applications of modern analytical instrumentation, may lead to careers in these areas.

QUT graduates are sought after by police and other forensics laboratories because of their extensive practical training using modern analytical instrumentation. With the addition of a postgraduate diploma in education, you may wish to pursue opportunities in the teaching profession.

Professional recognition

Graduates completing the chemistry major with the chemistry for industry second major are eligible for membership of the Royal Australian Chemical Institute.

Domestic Course structure

During your first year of study you'll get to sample a range of core science disciplines, allowing you to decide on your major later.

Faculty core units

These five units give you an introduction to the principles of science. The inquiry based experimental science units will give you the opportunity to learn by enquiry and become familiar with the methods of scientific inquiry.

From your very first semester, you will collaborate with your peers and teaching staff in QUT's exciting new learning environments. You will explore real-world problems from multiple scientific perspectives and learn the tools of the trade. Depending on your choices, you may find yourself out in the field, working in the laboratory or learning about the impact of scientific discovery on people, policy, industry and the planet.

Working with data you have collected, you'll study how to apply fundamental methods of scientific practice, perform scientific analysis, and learn the tools to present your findings. You'll have the opportunity to explore and discover the range of career and professional outcomes available to you, so you can gain the most from your unit selection and the flexibility the Bachelor of Science has to offer.

Primary major

Your major is your main area of study for what you aspire to become professionally. You will receive in-depth knowledge and expertise within your chosen scientific discipline, preparing you for entry into the workforce or further study. Your primary major comprises 11 units.

Complementary study areas

This is where you make the degree your own, tailoring your studies to further match your individual career goals with a wide range of complementary study options available. You'll have the opportunity to develop sought-after professional skills, deepen your understanding of your major discipline, pursue an interest from across the university, or broaden your scientific understanding. You can even work with industry or study overseas to gain credit towards your degree.

You can choose: a second major (eight units); or two minors (four units each).

Second major (eight units) Choose a second area of study to complement your major, and develop a significant depth of knowledge and skills in two discipline areas. Experience another field, learn another academic methodology and experience interdisciplinary networking.

Choose a second science discipline (biological sciences, earth science, environmental science or physics), or explore different perspectives which might include:

- computational and simulation science
- science
 human biomolecular scien
- human biomolecular sciencesinnovation and entrepreneurship, or
- sustainable environments for health

Minor (four units)

You might prefer to expand the breadth and depth of your studies by adding to your chosen science major with two minors.

Sample Structure Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2

Code Title Year 1, Semester 1

SEB104	Grand Challenges in Science	
SEB113	Quantitative Methods in Science	
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
Year 1, Semester 2		
CVB101	General Chemistry	
CVB102	Chemical Structure and Reactivity	
MXB100	Introductory Calculus and Algebra	
Core Unit Option		
Year 2, Semester 1		
CVB201	Inorganic Chemistry	
CVB202	Analytical Chemistry	
2nd majo	r or minor unit	
2nd major or minor unit		
Year 2, Semester 2		
CVB203	Physical Chemistry	
CVB204	Organic Structure and Mechanisms	
2nd major or minor unit		
2nd major or minor unit		
Year 3, S	emester 1	
CVB301	Organic Chemistry: Strategies for Synthesis	
CVB302	Applied Physical Chemistry	
2nd major or minor unit		
2nd major or minor unit		
Year 3, Semester 2		
CVB303	Coordination Chemistry	
CVB304	Chemistry Research Project	
2nd major or minor unit		
Out discustes and activity subscript		

2nd major or minor unit

Climate change is the foremost critical challenge to the sustainability and habitability of the Earth as we know it. There is rapidly growing demand for expertise in the science that governs climate and informs models of climate change - across the private sector, within many Australian government organisations, and in research institutions. This minor delivers a strong understanding of climate science and combines it with relevant knowledge about ocean-atmosphere interaction, insight into global change, sustainability and air quality and climate change mitigation measures. This combination is ideally suited to equip you with diverse backgrounds and primary interests to tackle the mounting challenges in areas such as sea level change mitigation, local climate adaptation, sustainable resource management and coastal ocean climate mitigation.



Bachelor of Science (Chemistry)

Climate Science unit set		
Code	Title	
ST01MNR-CLIMSCI		
Please note: Earth Science Major Students - ERB202 is replaced by EVB203 Geospatial Information Science under the Climate Science minor. Please contact the faculty for study plan assistance		
ERB211	Global Change	
ERB311	Dynamic Atmosphere	
PQB360	Introduction to Climate Change	
ERB202	Marine and Atmospheric Systems	

Bachelor of Science (Earth Science)

Year	2022
QUT code	ST01
CRICOS	077696D
Duration (full-time)	3 years
Duration (part-time domestic)	6 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2022: CSP \$8,000 per year full-time (96 credit points)
International fee (indicative)	2022: \$39,100 per year full-time (96 credit points)
Total credit points	288
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Graham Johnson
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Year 12 early offer scheme

If you're a current Queensland Year 12 student, you may be eligible to receive an offer for this course on the last day of Queensland Year 12, before receiving your ATAR or selection rank.

Find out more about the QUT Year 12 Early Offer Scheme

Helping you to get into your course

If you don't think your ATAR or selection rank is high enough to get into this course, you can guarantee your entry with guaranteed advanced standing by upgrading through one the following programs which you can select as one of your QTAC preferences:

Dual TAFE-Qld Brisbane/QUT award

If you enrol in a QTAC offer in the following dual TAFE-Qld Brisbane/QUT award you will automatically receive a QUT conditional offer in June after your enrolment at TAFE-Qld Brisbane is confirmed.

<u>Diploma of Laboratory Technology</u>

Upon completion of the TAFE-Qld diploma you will be able to enrol at QUT. You will also automatically receive half a year (48 credit points) credit transfer and be able to complete the degree in 2.5 years as a full-time student (or equivalent part-time). More details will be provided in your QUT conditional offer letter.

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Assumed knowledge

 Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English

requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Overview

The Earth is an amazing place and for an earth scientist, it offers a unique natural laboratory that covers both space and time. Earth science is a multidisciplinary science that applies the tools of chemistry, physics, biology and mathematics to understand earth processes, decipher its past and predict its future. Earth scientists work to monitor changes in the Earth's environment and suggest solutions to environmental problems. They study natural hazards to find ways to lessen the loss of life and reduce property damage.

Earth scientists play key roles in the search for fuels and minerals. Climate change, earthquakes, and geothermal energy are just a few of the issues that require knowledge of earth science. Earth science (also known as geoscience) blends the traditional fields of geology, physical geography and oceanography/ hydrology. Geology describes the rocky parts of the Earth's crust (or lithosphere) and its historic development. Physical geography, which studies the Earth's surface, includes geomorphology, soil science, and biogeoscience. The marine and freshwater parts of Earth define the fields of oceanography and hydrology.

Why choose this course?

Earth science is an exciting and fun science with many interesting and practical applications and a great number of travelling opportunities. If you enjoy working outdoors and are interested in understanding how the world works, then you will find earth science a rewarding area of study. Blending current research issues and problem solving with theory and industry-related, hands-on practicals, the earth science major provides you with a fundamental background to pursue a career in either the resource or the environmental sector.

Career outcomes

There is currently a shortage of earth scientists in Australia and employment rates are high and salaries great. Earth scientists are in high demand in the



Bachelor of Science (Earth Science)

energy sector (oil, gas, coal, geothermal) and exploration and mining industries. Many earth scientists find employment in environmental consulting companies tackling geotechnical, groundwater contamination, natural hazards or climate change issues. Earth scientists may work for government agencies such as CSIRO and Geoscience Australia doing applied research, or for state or local governments.

Domestic Course structure

During your first year of study you'll get to sample a range of core science disciplines, allowing you to decide on your major later.

Faculty core units

These five units give you an introduction to the principles of science. The inquiry based experimental science units will give you the opportunity to learn by enquiry and become familiar with the methods of scientific inquiry.

From your very first semester, you will collaborate with your peers and teaching staff in QUT's exciting new learning environments. You will explore real-world problems from multiple scientific perspectives and learn the tools of the trade. Depending on your choices, you may find yourself out in the field, working in the laboratory or learning about the impact of scientific discovery on people, policy, industry and the planet.

Working with data you have collected, you'll study how to apply fundamental methods of scientific practice, perform scientific analysis, and learn the tools to present your findings. You'll have the opportunity to explore and discover the range of career and professional outcomes available to you, so you can gain the most from your unit selection and the flexibility the Bachelor of Science has to offer.

Your major

Your major is your main area of study for what you aspire to become professionally. You will receive in-depth knowledge and expertise within your chosen scientific discipline, preparing you for entry into the workforce or further study. Your primary major comprises 11 units.

Complementary study areas

This is where you make the degree your own, tailoring your studies to further match your individual career goals with a wide range of complementary study options available. You'll have the opportunity to develop sought-after professional skills, deepen your understanding of your major discipline, pursue an interest from across the university, or broaden your scientific understanding. You can even work with industry or study overseas to gain credit towards your degree.

You can choose: a second major (eight units); or two minors (four units each).

Second major (eight units)

Choose a second area of study to complement your major, and develop a significant depth of knowledge and skills in two discipline areas. Experience another field, learn another academic methodology and experience interdisciplinary networking.

Choose a second science discipline (biological sciences, chemistry, environmental science or physics), or explore different perspectives which might include:

- computational and simulation science
- human biomolecular sciences
- innovation and entrepreneurship, or
- sustainable environments for health

Minor (four units)

You might prefer to expand the breadth and depth of your studies by adding to your chosen science major with two minors.

Sample Structure Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Earth Science Major Unit Options

Code	Title	
Year 1, S	Year 1, Semester 1	
SEB104	Grand Challenges in Science	
SEB113	Quantitative Methods in Science	
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
Year 1, Semester 2		
ERB101	Earth Systems	
ERB102	Evolving Earth	
Core Unit Option		
Earth Science Major Unit Option		
Year 2, Semester 1		
ERB201	B201 Destructive Earth: Natural Hazards	
ERB202	RB202 Marine and Atmospheric Systems	
2nd major or minor unit		

2nd major or minor unit		
Year 2, Semester 2		
ERB203	Sedimentary Geology and Stratigraphy	
ERB204	Deforming Earth: Fundamentals of Structural Geology	
2nd majo	r or minor unit	
2nd majo	r or minor unit	
Year 3, S	emester 1	
ERB301	Chemical Earth	
ERB302	Applied Geophysics	
2nd major or minor unit		
2nd majo	r or minor unit	
Year 3, S	emester 2	
ERB303	Energy Resources and Basin Analysis	
ERB304	Dynamic Earth: Plate Tectonics	
2nd majo	r or minor unit	
2nd major or minor unit		
Earth Science Major Unit Options		
BVB101	Foundations of Biology	
BVB102	Evolution	
CVB101	General Chemistry	
CVB102	Chemical Structure and Reactivity	
EVB102	Ecosystems and the Environment	
MXB100	Introductory Calculus and Algebra	
PVB101	Physics of the Very Large	
DVD400		

Climate change is the foremost critical challenge to the sustainability and habitability of the Earth as we know it. There is rapidly growing demand for expertise in the science that governs climate and informs models of climate change - across the private sector, within many Australian government organisations, and in research institutions. This minor delivers a strong understanding of climate science and combines it with relevant knowledge about ocean-atmosphere interaction. insight into global change, sustainability and air quality and climate change mitigation measures. This combination is ideally suited to equip you with diverse backgrounds and primary interests to tackle the mounting challenges in areas such as sea level change mitigation, local climate adaptation, sustainable resource management and coastal ocean climate mitigation.

PVB102 Physics of the Very Small



Bachelor of Science (Earth Science)

Climate Science unit set		
Code	Title	
ST01MN	ST01MNR-CLIMSCI	
Please note: Earth Science Major Students - ERB202 is replaced by EVB203 Geospatial Information Science under the Climate Science minor. Please contact the faculty for study plan assistance		
ERB211	Global Change	
ERB311	Dynamic Atmosphere	
PQB360	QB360 Introduction to Climate Change	
ERB202	Marine and Atmospheric Systems	



Bachelor of Science (Environmental Science)

Year	2022
QUT code	ST01
CRICOS	077696D
Duration (full-time)	3 years
Duration (part-time domestic)	6 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2022: CSP \$8,000 per year full-time (96 credit points)
International fee (indicative)	2022: \$39,100 per year full-time (96 credit points)
Total credit points	288
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Graham Johnson
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Year 12 early offer scheme

If you're a current Queensland Year 12 student, you may be eligible to receive an offer for this course on the last day of Queensland Year 12, before receiving your ATAR or selection rank.

Find out more about the QUT Year 12 Early Offer Scheme

Helping you to get into your course

If you don't think your ATAR or selection rank is high enough to get into this course, you can guarantee your entry with guaranteed advanced standing by upgrading through one the following programs which you can select as one of your QTAC preferences:

Dual TAFE-Qld Brisbane/QUT award

If you enrol in a QTAC offer in the following dual TAFE-Qld Brisbane/QUT award you will automatically receive a QUT conditional offer in June after your enrolment at TAFE-Qld Brisbane is confirmed.

<u>Diploma of Laboratory Technology</u>

Upon completion of the TAFE-Qld diploma you will be able to enrol at QUT. You will also automatically receive half a year (48 credit points) credit transfer and be able to complete the degree in 2.5 years as a full-time student (or equivalent part-time). More details will be provided in your QUT conditional offer letter.

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Assumed knowledge

• Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English

requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Why choose this course?

The environmental science course at QUT is designed to provide hands-on skills and field experiences using realworld industry examples and methods to allow you to pursue a variety of careers as an environmental scientist. The program has particular strengths in the areas of land resources, hydrogeology, environmental geology, biogeochemistry, geographic information systems and field mapping, systems modelling and sustainable management.

The program also emphasises practical skills and experience, including day-long and extended field trips. You will learn from guest lecturers from relevant government agencies, industry and QUT staff who regularly provide advice for industry, government and community groups.

Overview

We rely on our natural environment to sustain our lives and our lifestyles. Do you want to help the earth's natural environment to maintain its integrity while continuing our urban and rural development? Have you wanted to be part of the solution to our increasing environmental issues such as climate change, air, water and soil quality, soil erosion, dry land salinity or water resources? We continually need to improve our understanding and management of the natural environment to balance our development with wise management while minimising impacts and degradation.

An understanding of the mechanisms controlling environmental systems provides the skills required to undertake a great range of scientific environmental planning and management, and tackle problems such as local water quality and ecosystem impacts, soil erosion, catchment and groundwater use, or adaptation to global climate change.

Career outcomes

Environmental scientists are continually needed in a wide variety of planning,



Bachelor of Science (Environmental Science)

management, monitoring and research careers. These roles are usually found in government departments and agencies, local councils, consultancy, and industrial and mining companies. As an environmental science graduate, you could be working in urban, rural or remote settings depending on your interests.

Graduates are equipped to assess resources, implement environmental impact programs, analyse and interpret environmental data and formulate contingency plans in a wide variety of areas. These include strategic land use planning; waste disposal; pollution measurement and control; coastal protection; environmental impact of mining, tourism and urban development; rehabilitation and reforestation of degraded sites; ground water assessment and modelling; flood plain planning; erosion control; and marine science.

Professional recognition

Graduates are eligible for membership of the Environment Institute of Australia and New Zealand and a variety of other scientific societies, including the Soil Science Society of Australia and the Ecological Society of Australia.

Domestic Course structure Your science degree

During your first year of study you'll get to sample a range of core science disciplines, allowing you to decide on your major later.

Faculty core units

These five units give you an introduction to the principles of science. The inquiry based experimental science units will give you the opportunity to learn by enquiry and become familiar with the methods of scientific inquiry.

From your very first semester, you will collaborate with your peers and teaching staff in QUT's exciting new learning environments. You will explore real-world problems from multiple scientific perspectives and learn the tools of the trade. Depending on your choices, you may find yourself out in the field, working in the laboratory or learning about the impact of scientific discovery on people, policy, industry and the planet.

Working with data you have collected, you'll study how to apply fundamental methods of scientific practice, perform scientific analysis, and learn the tools to present your findings. You'll have the opportunity to explore and discover the range of career and professional outcomes available to you, so you can gain the most from your unit selection and the flexibility the Bachelor of Science has to offer.

Primary major

Your major is your main area of study for what you aspire to become professionally. You will receive in-depth knowledge and expertise within your chosen scientific discipline, preparing you for entry into the workforce or further study. Your primary major comprises 11 units.

Complementary study areas

This is where you make the degree your own, tailoring your studies to further match your individual career goals with a wide range of complementary study options available. You'll have the opportunity to develop sought-after professional skills, deepen your understanding of your major discipline, pursue an interest from across the university, or broaden your scientific understanding. You can even work with industry or study overseas to gain credit towards your degree.

You can choose: a second major (eight units); or an extended minor (four units) or breadth minor (four units), plus either a faculty minor (four units) or breadth minor (four units).

Second major (eight units)

Choose a second area of study to complement your major, and develop a significant depth of knowledge and skills in two discipline areas. Experience another field, learn another academic methodology and experience interdisciplinary networking.

Choose a second science discipline (biological sciences, chemistry, earth science or physics), or explore different perspectives which might include:

- computational and simulation science
- human biomolecular sciences
- innovation and entrepreneurship, or
- sustainable environments for health.

Minor (four units)

You might prefer to expand the breadth and depth of your studies by adding to your chosen science major with two minors. Minors include:

Extension minor (four units)

Gain further insights and depth in your primary area of study. Intensify your chosen major to develop additional knowledge, skills and experience for your career in science.

Breadth minor (four units)

Broaden your studies to include minors from the list of science majors, second majors or from the list of university-wide minors.

Sample Structure

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
 Year 2, Semester 1
- Year 2, Semester 1
- Year 3, Semester 1
- Year 3, Semester 2
- Environmental Science Major Unit Options

Code	Title	
Year 1, S	emester 1	
SEB104	Grand Challenges in Science	
SEB113	Quantitative Methods in Science	
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
Year 1, S	emester 2	
ERB101	Earth Systems	
EVB102	Ecosystems and the Environment	
Core Unit	t Option	
Environm Option	ental Science Major Unit	
Year 2, S	emester 1	
BVB202	Experimental Design and Quantitative Methods	
EVB203	Geospatial Information Science	
2nd majo	r or minor unit	
2nd major or minor unit		
jo		
	emester 2	
	emester 2	
Year 2, S	emester 2 Ecology	
Year 2, S BVB204 EVB302	emester 2 Ecology	
Year 2, S BVB204 EVB302 2nd majo	emester 2 Ecology Environmental Pollution	
Year 2, S BVB204 EVB302 2nd majo 2nd majo	emester 2 Ecology Environmental Pollution r or minor unit	
Year 2, S BVB204 EVB302 2nd majo 2nd majo Year 3, S	emester 2 Ecology Environmental Pollution r or minor unit r or minor unit	
Year 2, S BVB204 EVB302 2nd majo 2nd majo Year 3, S	emester 2 Ecology Environmental Pollution r or minor unit r or minor unit emester 1	
Year 2, S BVB204 EVB302 2nd majo 2nd majo Year 3, S BVB311 EVB312	emester 2 Ecology Environmental Pollution r or minor unit r or minor unit emester 1 Conservation Biology	
Year 2, S BVB204 EVB302 2nd majo 2nd majo Year 3, S BVB311 EVB312 2nd majo	emester 2 Ecology Environmental Pollution r or minor unit r or minor unit emester 1 Conservation Biology Soils and the Environment	
Year 2, S BVB204 EVB302 2nd majo 2nd majo Year 3, S BVB311 EVB312 2nd majo 2nd majo	emester 2 Ecology Environmental Pollution r or minor unit r or minor unit cemester 1 Conservation Biology Soils and the Environment r or minor unit	
Year 2, S BVB204 EVB302 2nd majo 2nd majo Year 3, S BVB311 EVB312 2nd majo Year 3, S	emester 2 Ecology Environmental Pollution r or minor unit r or minor unit cemester 1 Conservation Biology Soils and the Environment r or minor unit r or minor unit	
Year 2, S BVB204 EVB302 2nd majo 2nd majo Year 3, S BVB311 EVB312 2nd majo Year 3, S	emester 2 Ecology Environmental Pollution r or minor unit r or minor unit cemester 1 Conservation Biology Soils and the Environment r or minor unit r or minor unit cemester 2	
Year 2, S BVB204 EVB302 2nd majo 2nd majo Year 3, S BVB311 EVB312 2nd majo 2nd majo Year 3, S ERB310 EVB304	emester 2 Ecology Environmental Pollution r or minor unit r or minor unit cemester 1 Conservation Biology Soils and the Environment r or minor unit r or minor unit cemester 2 Groundwater Systems Case Studies in	
Year 2, S BVB204 EVB302 2nd majo 2nd majo Year 3, S BVB311 EVB312 2nd majo Year 3, S ERB310 EVB304 2nd majo	emester 2 Ecology Environmental Pollution r or minor unit r or minor unit cemester 1 Conservation Biology Soils and the Environment r or minor unit r or minor unit cemester 2 Groundwater Systems Case Studies in Environmental Science	
Year 2, S BVB204 EVB302 2nd majo 2nd majo Year 3, S BVB311 EVB312 2nd majo Year 3, S ERB310 EVB304 2nd majo 2nd majo	emester 2 Ecology Environmental Pollution r or minor unit r or minor unit emester 1 Conservation Biology Soils and the Environment r or minor unit r or minor unit emester 2 Groundwater Systems Case Studies in Environmental Science r or minor unit	
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Year 2, S BVB204 EVB302 2nd majo 2nd majo Year 3, S BVB311 EVB312 2nd majo 2nd majo Year 3, S ERB310 EVB304 2nd majo 2nd majo 2nd majo	emester 2 Ecology Environmental Pollution r or minor unit r or minor unit emester 1 Conservation Biology Soils and the Environment r or minor unit r or minor unit emester 2 Groundwater Systems Case Studies in Environmental Science r or minor unit r or minor unit ental Science Major Unit	



Bachelor of Science (Environmental Science)

CVB102	Chemical Structure and Reactivity
ERB102	Evolving Earth
MXB100	Introductory Calculus and Algebra
PVB101	Physics of the Very Large
PVB102	Physics of the Very Small

Climate change is the foremost critical challenge to the sustainability and habitability of the Earth as we know it. There is rapidly growing demand for expertise in the science that governs climate and informs models of climate change - across the private sector, within many Australian government organisations, and in research institutions. This minor delivers a strong understanding of climate science and combines it with relevant knowledge about ocean-atmosphere interaction, insight into global change, sustainability and air quality and climate change mitigation measures. This combination is ideally suited to equip you with diverse backgrounds and primary interests to tackle the mounting challenges in areas such as sea level change mitigation, local climate adaptation, sustainable resource management and coastal ocean climate mitigation.

Climate Science unit set		
Code	Title	
ST01MN	R-CLIMSCI	
Please note: Earth Science Major Students - ERB202 is replaced by EVB203 Geospatial Information Science under the Climate Science minor. Please contact the faculty for study plan assistance		
ERB211	Global Change	
ERB311	ERB311 Dynamic Atmosphere	
PQB360 Introduction to Climate Change		
ERB202	Marine and Atmospheric Systems	



QUT

Bachelor of Science (Physics)

Year	2022
QUT code	ST01
CRICOS	077696D
Duration (full-time)	3 years
Duration (part-time domestic)	6 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2022: CSP \$8,000 per year full-time (96 credit points)
International fee (indicative)	2022: \$39,100 per year full-time (96 credit points)
Total credit points	288
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Graham Johnson
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Year 12 early offer scheme

If you're a current Queensland Year 12 student, you may be eligible to receive an offer for this course on the last day of Queensland Year 12, before receiving your ATAR or selection rank.

Find out more about the QUT Year 12 Early Offer Scheme

Helping you to get into your course

If you don't think your ATAR or selection rank is high enough to get into this course, you can guarantee your entry with guaranteed advanced standing by upgrading through one the following programs which you can select as one of your QTAC preferences:

Dual TAFE-Qld Brisbane/QUT award

If you enrol in a QTAC offer in the following dual TAFE-Qld Brisbane/QUT award you will automatically receive a QUT conditional offer in June after your enrolment at TAFE-Qld Brisbane is confirmed.

<u>Diploma of Laboratory Technology</u>

Upon completion of the TAFE-Qld diploma you will be able to enrol at QUT. You will also automatically receive half a year (48 credit points) credit transfer and be able to complete the degree in 2.5 years as a full-time student (or equivalent part-time). More details will be provided in your QUT conditional offer letter.

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Assumed knowledge

• Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English

requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Overview

Physicists are involved in finding solutions to many current and future challenges facing our world. These include developing instruments for environmental monitoring, computer models for climate change prediction, and developing solar and renewable energy systems . Physicists are also attempting to address the world's ever-increasing appetite for information and information processing by undertaking research into quantum computers, nanotechnology, lasers and photonics.

Physics deals with the natural laws and processes, and the states and properties, of matter, energy, space and time. Physics also underlies many of the recent advances in information technology, medicine and biotechnology. Areas of specialisation include mechanics, electromagnetism, lasers and optics, medical physics, computational physics, nuclear and radiation physics, astronomy and astrophysics, thermodynamics, quantum mechanics and relativity.

Why choose this course?

QUT's physics course has a strong applied emphasis so you will spend a significant amount of time in the undergraduate teaching laboratories. In each unit that you study the theory will be supported by experimental work. In your final year, you will undertake research and gain exposure to the research laboratories through the experimental physics unit.

You can also apply for a Vacation Research Experience Scholarship to gain experience working on a research project. Many of the lecturers at QUT have worked in industry and QUT works closely with industry through consultancy and research projects, so you can be sure that the course will be up to date and relevant to the real world.

Career outcomes

Physicists are an asset to almost any industry. Employment areas of QUT physics graduates are very wide ranging.



Bachelor of Science (Physics)

These include research and development departments of large manufacturing companies, mining and exploration companies, research institutions such as the Commonwealth Scientific and Industrial Research Organisation and the Defence Science and Technology Organisation, government bodies such as the Bureau of Meteorology, environmental protection agencies and health departments, schools, universities and hospitals.

Broad training in data analysis and problem-solving skills also makes physicists well suited to management and consulting roles in a range of technology based industries.

Professional recognition

Graduates are eligible for membership of the Australian Institute of Physics, dependent on choice of study options.

Domestic Course structure

During your first year of study you'll get to sample a range of core science disciplines, allowing you to decide on your major later.

Faculty core units

These five units give you an introduction to the principles of science. The inquiry based experimental science units will give you the opportunity to learn by enquiry and become familiar with the methods of scientific inquiry.

From your very first semester, you will collaborate with your peers and teaching staff in QUT's exciting new learning environments. You will explore real-world problems from multiple scientific perspectives and learn the tools of the trade. Depending on your choices, you may find yourself out in the field, working in the laboratory or learning about the impact of scientific discovery on people, policy, industry and the planet.

Working with data you have collected, you'll study how to apply fundamental methods of scientific practice, perform scientific analysis, and learn the tools to present your findings. You'll have the opportunity to explore and discover the range of career and professional outcomes available to you, so you can gain the most from your unit selection and the flexibility the Bachelor of Science has to offer.

Primary major

Your major is your main area of study for what you aspire to become professionally. You will receive in-depth knowledge and expertise within your chosen scientific

discipline, preparing you for entry into the workforce or further study. Your primary major comprises 11 units.

Complementary study areas

This is where you make the degree your own, tailoring your studies to further match your individual career goals with a wide range of complementary study options available. You'll have the opportunity to develop sought-after professional skills, deepen your understanding of your major discipline, pursue an interest from across the university, or broaden your scientific understanding. You can even work with industry or study overseas to gain credit towards your degree.

You can choose: a second major (eight units); or two minors (four units each).

Second major (eight units) Choose a second area of study to complement your major, and develop a significant depth of knowledge and skills in two discipline areas. Experience another field, learn another academic methodology and experience interdisciplinary networking.

Choose a second science discipline (biological sciences, chemistry, earth science or environmental science), or explore different perspectives which might include:

- computational and simulation science
- human biomolecular sciences
- · innovation and entrepreneurship, or
- · sustainable environments for health

Minor (four units)

You might prefer to expand the breadth and depth of your studies by adding to your chosen science major with two minors. Minors include:

- Astrophysics
- Nanotechnology

Sample Structure **Semesters**

• Year 1, Semester 1

- Year 1, Semester 2 Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2

Code Title

Year 1, Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
SEB115	Experimental Science 1
SEB116	Experimental Science 2

Year 1 Semester 2

Year 1, Semester 2		
MXB100	Introductory Calculus and Algebra	
PVB101	Physics of the Very Large	
PVB102	Physics of the Very Small	
Core Unit Option		
Year 2, S	emester 1	
PVB202	Mathematical Methods in Physics	
PVB203	Experimental Physics	
2nd majo	r or minor unit	
2nd majo	r or minor unit	
Year 2, S	emester 2	
PVB200	Computational and Mathematical Physics	
PVB204	Electromagnetism	
2nd majo	r or minor unit	
2nd majo	r or minor unit	
Year 3, S	emester 1	
PVB301	Materials and Thermal Physics	
PVB302	Classical and Quantum Physics	
2nd major or minor unit		
2nd major or minor unit		
Year 3, S	emester 2	
PVB303	Nuclear and Particle Physics	
PVB304	Physics Research	
2nd major or minor unit		
2nd major or minor unit		

Climate change is the foremost critical challenge to the sustainability and habitability of the Earth as we know it. There is rapidly growing demand for expertise in the science that governs climate and informs models of climate change - across the private sector, within many Australian government organisations, and in research institutions. This minor delivers a strong understanding of climate science and combines it with relevant knowledge about ocean-atmosphere interaction, insight into global change, sustainability and air quality and climate change mitigation measures. This combination is ideally suited to equip you with diverse backgrounds and primary interests to tackle the mounting challenges in areas such as sea level change mitigation, local climate adaptation, sustainable resource management and coastal ocean climate mitigation.

Climate Science unit set Title Code

ST01MNR-CLIMSCI



Bachelor of Science (Physics)

Please note: Earth Science MajorStudents - ERB202 is replaced byEVB203 Geospatial Information Scienceunder the Climate Science minor.Please contact the faculty for study planassistanceERB211Global ChangeERB311Dynamic AtmospherePQB360Introduction to Climate
ChangeERB202Marine and Atmospheric
Systems



Year	2022
QUT code	ST20
CRICOS	102820D
Duration (full-time)	4 years
Campus	Gardens Point
Domestic fee (indicative)	2022: CSP \$7,400 per year full-time (96 credit points)
International fee (indicative)	2022: \$39,800 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	February
Int. Start Months	February
Course Coordinator	Associate Professor Peter Prentis

Domestic Entry requirements Prerequisites

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C); and
- Mathematical Methods (Units 3 & 4, C); and
- Biology (Units 3 & 4, B); and
- completion of Year 12 or attained age 18 years.

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- One of Agricultural Science, Biology, Chemistry, Earth and Environmental Science, Marine Science, Physics, or Psychology (Units 3 & 4, C)
- Specialist Mathematics (Units 3 & 4, C)

International Entry requirements Academic entry requirements

You must be a current student completing Year 12 in Australia.

You will be considered solely on the basis of your ATAR or IB Diploma results.

Please refer to the <u>Guide to entry</u> thresholds.

Minimum English

requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0



Year	2022
QUT code	ST20
CRICOS	102820D
Duration (full-time)	4 years
ATAR/Selection rank	90.00
Campus	Gardens Point
Domestic fee (indicative)	2022: CSP \$7,400 per year full-time (96 credit points)
International fee (indicative)	2022: \$39,800 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Associate Professor Peter Prentis
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Prerequisites

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C); and
- Mathematical Methods (Units 3 & 4, C); and
- Biology (Units 3 & 4, B); and
- You must be a 2021 Year 12 student or a recent Year 12 student returning from up to two gap years.

Assumed knowledge

Before you start this course, we assume you have sound knowledge of the subject/s listed below. If you don't have the subject knowledge, you can still apply for the course but we encourage you to undertake bridging studies to gain the knowledge:

- Specialist Mathematics (Units 3 & 4, C); and
- At least one of Agricultural Science, Chemistry, Earth and Environmental Science, Marine Science or Physics (Units 3 & 4, C).

Additional entry requirements

You must be a 2021 Year 12 student or a recent Year 12 student returning from up to two gap years.

Adjustments to your ATAR/selection rank

Elite Athlete Scheme adjustments do not apply to this course. Any other adjustment you receive to your ATAR or selection rank will be applied to this course.

Find out if you're eligible for an adjustment to your ATAR or selection rank

International Entry requirements Academic entry requirements

You must be a current student completing Year 12 in Australia.

You will be considered solely on the basis of your ATAR or IB Diploma results.

Please refer to the <u>Guide to entry</u> thresholds.

International Assumed knowledge

- Biology (Units 3 & 4, B)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

ST20 Bachelor of Science Advanced (Honours) comprises 384 credit points (32 units), including 4 core units (STB100, STB200, STB300 and a core option), 240 credit points (20 units) discipline specific major units (including 8 Honours level units) and 96 credit points (8 units) of complementary studies (2 minors).

The Biological Sciences Major consists of twenty (20) units [240cp]:

Biological Sciences Majors are also required to complete the following study area B components (Minors)

Statistical Modelling minor

and one minor (48 cp) from:

- Biotechnology and Genetics minor
- Wildlife Ecology Minor
- Advanced Science Minor

International Course structure

ST20 Bachelor of Science Advanced (Honours) comprises 384 credit points (32 units), including 4 core units (STB100, STB200, STB300 and a core option), 240 credit points (20 units) discipline specific major units (including 8 Honours level units) and 96 credit points (8 units) of complementary studies (2 minors).

The Biological Sciences Major consists of twenty (20) units [240cp]:

Biological Sciences Majors are also required to complete the following study area B components (Minors)

Statistical Modelling minor

and one minor (48 cp) from:

- Biotechnology and Genetics minor
- Wildlife Ecology Minor
- Advanced Science Minor

Sample Structure

The Biological Sciences major in the Bachelor of Science Advanced (Honours)



Bachelor of Science Advanced (Honours) (Biological Sciences)

is structured to provide high-achieving students with a strong applied knowledge of biology, building on foundational knowledge obtained in high school. The major will extend understanding of the structure, function and diversity of living things, from cells to whole organisms, including key areas of plant and animal biology and microbiology and the interaction with each other and the environment. The Biological Sciences major is complemented and extended with a minor in either Biotechnology & Genetics or Wildlife Ecology or a minor specifically tailored to future research goals. Students will study units in their first semester which help them identify which area they wish to pursue. By integrating theory and practice and with a strong focus on experimental design, students will learn to apply key biological principles to important areas such as conservation, food security and biotechnology that will lead to research opportunities third and fourth year research units. All students in the major will have the opportunity to participate in research-based activities in these or other key areas of biology through the ST20 core units and through extracurricular activities. Graduates of the Biological Science major will be skilled at the desk, in the laboratory and in the field with strong skills in one of the areas closely aligned to research. They will have advanced research skills and critical thinking ability needed to tackle real-world problems in biology and undertake cutting edge research. These attributes will support high-achieving students in postgraduate study and a research career.

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1 Year 2, Semester 2 ٠
- ٠
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1 Year 4, Semester 2

Code	Title	
Year 1, Semester 1		
CVB103	Foundations of Chemistry	
MXB100	Introductory Calculus and Algebra	
BVB317	Principles of Genomics and Biotechnology	
or		
BVB214	Vertebrate Life	
Biology Minor Unit 1		
Year 1, Semester 2		
BVB201	Biological Processes	
MXB107	Introduction to Statistical	

	Modelling	
STB100	Research Skills and	
Biology M	Techniques ogy Minor Unit 2	
Year 2, S		
1 ear 2, 0	Experimental Design and	
BVB202	Quantitative Methods	
BVB203	Plant Biology	
BVB301	Animal Biology	
	linor Unit 3	
Year 2, S	emester 2	
BVB204	Ecology	
BVB313	Population Genetics and Molecular Ecology	
MXB261	Modelling and Simulation Science	
STB200	Advanced Research Skills and Techniques	
Year 3, S	emester 1	
BVB305	Microbiology and the Environment	
MXB242	Regression and Design	
STB310 -1	Science Research 1	
Biological	Sciences Major Unit Option 1	
Year 3, Semester 2		
1 cai 3, 3	emester Z	
STB300	Advanced Science Symposium	
	Advanced Science	
STB300 STB310 -2	Advanced Science Symposium	
STB300 STB310 -2 Biology M	Advanced Science Symposium Science Research 2	
STB300 STB310 -2 Biology M	Advanced Science Symposium Science Research 2 linor Unit 4 Sciences Major Unit Option 2	
STB300 STB310 -2 Biology M Biological	Advanced Science Symposium Science Research 2 linor Unit 4 Sciences Major Unit Option 2 emester 1 Advanced Techniques in	
STB300 STB310 -2 Biology M Biological Year 4, S	Advanced Science Symposium Science Research 2 linor Unit 4 Sciences Major Unit Option 2 emester 1 Advanced Techniques in Earth, Environmental and	
STB300 STB310 -2 Biology M Biological Year 4, S STB410 STH420	Advanced Science Symposium Science Research 2 linor Unit 4 Sciences Major Unit Option 2 emester 1 Advanced Techniques in Earth, Environmental and Biological Research	
STB300 -2 Biology W Biological Year 4, S STB410 STH420 -1 STH420	Advanced Science Symposium Science Research 2 linor Unit 4 Sciences Major Unit Option 2 emester 1 Advanced Techniques in Earth, Environmental and Biological Research Advanced Research 1	
STB300 STB310 -2 Biology M Biological Year 4, S STB410 STH420 -1 STH420 -2 STH420 -2 STH420 -3	Advanced Science Symposium Science Research 2 linor Unit 4 Sciences Major Unit Option 2 emester 1 Advanced Techniques in Earth, Environmental and Biological Research Advanced Research 1 Advanced Research 2	
STB300 STB310 -2 Biology M Biological Year 4, S STB410 STH420 -1 STH420 -2 STH420 -2 STH420 -3	Advanced Science Symposium Science Research 2 linor Unit 4 Sciences Major Unit Option 2 emester 1 Advanced Techniques in Earth, Environmental and Biological Research Advanced Research 1 Advanced Research 2 Advanced Research 3	
STB300 STB310 -2 Biology M Biological Year 4, S STB410 STH420 -1 STH420 -2 STH420 -2 STH420 -3	Advanced Science Symposium Science Research 2 linor Unit 4 Sciences Major Unit Option 2 emester 1 Advanced Techniques in Earth, Environmental and Biological Research Advanced Research 1 Advanced Research 2 Advanced Research 3 emester 2	
STB300 -2 Biology W Biological Year 4, S STB410 STH420 -1 STH420 -2 STH420 -3 Year 4, S	Advanced Science Symposium Science Research 2 linor Unit 4 Sciences Major Unit Option 2 emester 1 Advanced Techniques in Earth, Environmental and Biological Research Advanced Research 1 Advanced Research 2 Advanced Research 3 emester 2 Advanced Topics in Earth, Environmental and Biological	
STB300 STB310 -2 Biology M Biological Year 4, S STB410 STH420 -1 STH420 -2 STH420 -3 Year 4, S STB411 STH420	Advanced Science Symposium Science Research 2 linor Unit 4 Sciences Major Unit Option 2 emester 1 Advanced Techniques in Earth, Environmental and Biological Research 1 Advanced Research 1 Advanced Research 2 Advanced Research 3 emester 2 Advanced Topics in Earth, Environmental and Biological Research	
STB300 STB310 -2 Biology W Biological Year 4, S STB410 STH420 -1 STH420 -2 STH420 -3 Year 4, S STB411 STH420 -4 STH420	Advanced Science Symposium Science Research 2 linor Unit 4 Sciences Major Unit Option 2 emester 1 Advanced Techniques in Earth, Environmental and Biological Research Advanced Research 1 Advanced Research 2 Advanced Research 3 emester 2 Advanced Topics in Earth, Environmental and Biological Research Advanced Research 4	



Year	2022
QUT code	ST20
CRICOS	102820D
Duration (full-time)	4 years
ATAR/Selection rank	90.00
Campus	Gardens Point
Domestic fee (indicative)	2022: CSP \$7,400 per year full-time (96 credit points)
International fee (indicative)	2022: \$39,800 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Associate Professor Peter Prentis
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Prerequisites

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C); and
- Mathematical Methods (Units 3 & 4, C); and
- Chemistry (Units 3 & 4, B)

Assumed knowledge

Before you start this course, we assume you have sound knowledge of the subject/s listed below. If you don't have the subject knowledge, you can still apply for the course but we encourage you to undertake bridging studies to gain the knowledge:

- Specialist Mathematics (Units 3 & 4, C); and
- At least one of Agricultural Science, Biology, Earth and Environmental Science, Marine Science or Physics (Units 3 & 4, C).

Additional entry requirements

You must be a 2021 Year 12 student or a recent Year 12 student returning from up to two gap years.

Adjustments to your ATAR/selection rank

Elite Athlete Scheme adjustments do not apply to this course. Any other adjustment you receive to your ATAR or selection rank will be applied to this course.

Find out if you're eligible for an adjustment to your ATAR or selection rank

International Entry requirements Academic entry requirements

You must be a current student completing Year 12 in Australia.

You will be considered solely on the basis of your ATAR or IB Diploma results.

Please refer to the <u>Guide to entry</u> thresholds.

International Assumed knowledge

- Chemistry (Units 3 & 4, B)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

ST20 Bachelor of Science Advanced (Honours) comprises 384 credit points (32 units), including 4 core units (STB100, STB200, STB300 and a core option), 240 credit points (20 units) discipline specific major units (including 8 Honours level units) and 96 credit points (8 units) of complementary studies (2 minors).

Study Area B requirements for a Chemistry Major are

Applied Mathematics minor

and one minor (48 cp) from:

- Analytical Chemistry extension
 minor
- Advanced Science minor

International Course structure

ST20 Bachelor of Science Advanced (Honours) comprises 384 credit points (32 units), including 4 core units (STB100, STB200, STB300 and a core option), 240 credit points (20 units) discipline specific major units (including 8 Honours level units) and 96 credit points (8 units) of complementary studies (2 minors).

Study Area B requirements for a Chemistry Major are

• Applied Mathematics minor

and one minor (48 cp) from:

- Analytical Chemistry extension minor
- Advanced Science minor

Sample Structure

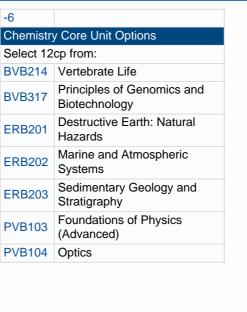
Semesters

- Year 1, Semester 1
- Year 1, Semester 2
 Year 2, Semester 1
- Year 2, Semester 1
 Year 2, Semester 2
- Year 2, Semester 2
 Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 1
- Chemistry Core Unit Options



Bachelor of Science Advanced (Honours) (Chemistry)

Code	Title	
	emester 1	
CVB103		
Chemistry Major Unit Option 1		
Core Unit Option		
Maths Minor Unit (MXB100 or MXB106)		
Year 1, S	emester 2	
CVB204	Organic Structure and Mechanisms	
CVB210	Chemical Measurement Science	
Maths Mi	nor unit	
STB100	Research Skills and Techniques	
Year 2, S	emester 1	
CVB201	Inorganic Chemistry	
CVB202	Analytical Chemistry	
CVB301	Organic Chemistry: Strategies for Synthesis	
Maths Mi	nor unit	
Year 2, S	emester 2	
CVB203	Physical Chemistry	
CVB303	Coordination Chemistry	
CVB313	Environmental Analytical Chemistry	
STB200	Advanced Research Skills and Techniques	
Year 3, Semester 1		
Year 3, S	emester 1	
Year 3, S CVB212	emester 1 Industrial Analytical Chemistry	
CVB212	Industrial Analytical Chemistry	
CVB212 CVB302	Industrial Analytical Chemistry Applied Physical Chemistry	
CVB212 CVB302 CVB320 STB310 -1	Industrial Analytical Chemistry Applied Physical Chemistry Instrumental Analysis	
CVB212 CVB302 CVB320 STB310 -1	Industrial Analytical Chemistry Applied Physical Chemistry Instrumental Analysis Science Research 1 emester 2 Advanced Science	
CVB212 CVB302 CVB320 STB310 -1 Year 3, S	Industrial Analytical Chemistry Applied Physical Chemistry Instrumental Analysis Science Research 1 emester 2 Advanced Science Symposium	
CVB212 CVB302 CVB320 STB310 -1 Year 3, S STB300	Industrial Analytical Chemistry Applied Physical Chemistry Instrumental Analysis Science Research 1 emester 2 Advanced Science	
CVB212 CVB302 CVB320 STB310 -1 Year 3, S STB300 STB300 STB310 -2 Chemistr	Industrial Analytical Chemistry Applied Physical Chemistry Instrumental Analysis Science Research 1 emester 2 Advanced Science Symposium Science Research 2 y Major Unit Option 2	
CVB212 CVB302 CVB320 STB310 -1 Year 3, S STB300 STB300 STB310 -2 Chemistry Maths Mir	Industrial Analytical Chemistry Applied Physical Chemistry Instrumental Analysis Science Research 1 emester 2 Advanced Science Symposium Science Research 2 y Major Unit Option 2 nor Unit	
CVB212 CVB302 CVB320 STB310 -1 Year 3, S STB300 STB300 STB310 -2 Chemistry Maths Mir	Industrial Analytical Chemistry Applied Physical Chemistry Instrumental Analysis Science Research 1 emester 2 Advanced Science Symposium Science Research 2 y Major Unit Option 2 nor Unit emester 1	
CVB212 CVB302 CVB320 STB310 -1 Year 3, S STB300 STB300 STB310 -2 Chemistry Maths Mir	Industrial Analytical Chemistry Applied Physical Chemistry Instrumental Analysis Science Research 1 emester 2 Advanced Science Symposium Science Research 2 y Major Unit Option 2 nor Unit	
CVB212 CVB302 CVB320 STB310 -1 Year 3, S STB300 STB300 STB310 -2 Chemistry Maths Min Year 4, S	Industrial Analytical Chemistry Applied Physical Chemistry Instrumental Analysis Science Research 1 emester 2 Advanced Science Symposium Science Research 2 y Major Unit Option 2 nor Unit emester 1 Advanced Experimental	
CVB212 CVB302 CVB320 STB310 -1 Year 3, S STB300 STB300 STB310 -2 Chemistry Maths Min Year 4, S STB412 STB412	Industrial Analytical Chemistry Applied Physical Chemistry Instrumental Analysis Science Research 1 emester 2 Advanced Science Symposium Science Research 2 y Major Unit Option 2 nor Unit emester 1 Advanced Experimental Chemistry Techniques	
CVB212 CVB302 CVB320 STB310 -1 Year 3, S STB300 STB310 -2 Chemistry Maths Min Year 4, S STB412 STB412 STH420 -1 STH420	Industrial Analytical Chemistry Applied Physical Chemistry Instrumental Analysis Science Research 1 emester 2 Advanced Science Symposium Science Research 2 y Major Unit Option 2 nor Unit emester 1 Advanced Experimental Chemistry Techniques Advanced Research 1	
CVB212 CVB302 CVB320 STB310 -1 Year 3, S STB300 STB310 -2 Chemistry Maths Min Year 4, S STB412 STH420 -1 STH420 -2 STH420 -2	Industrial Analytical Chemistry Applied Physical Chemistry Instrumental Analysis Science Research 1 emester 2 Advanced Science Symposium Science Research 2 y Major Unit Option 2 nor Unit emester 1 Advanced Experimental Chemistry Techniques Advanced Research 1 Advanced Research 2	
CVB212 CVB302 CVB320 STB310 -1 Year 3, S STB300 STB310 -2 Chemistry Maths Min Year 4, S STB412 STH420 -1 STH420 -2 STH420 -2	Industrial Analytical Chemistry Applied Physical Chemistry Instrumental Analysis Science Research 1 emester 2 Advanced Science Symposium Science Research 2 y Major Unit Option 2 nor Unit emester 1 Advanced Experimental Chemistry Techniques Advanced Research 1 Advanced Research 2 Advanced Research 3	
CVB212 CVB302 CVB320 STB310 -1 Year 3, S STB300 STB310 -2 Chemistry Maths Min Year 4, S STB412 STH420 -1 STH420 -2 STH420 -3 Year 4, S	Industrial Analytical Chemistry Applied Physical Chemistry Instrumental Analysis Science Research 1 emester 2 Advanced Science Symposium Science Research 2 y Major Unit Option 2 nor Unit emester 1 Advanced Experimental Chemistry Techniques Advanced Research 1 Advanced Research 2 Advanced Research 3 emester 2	
CVB212 CVB300 STB310 -1 Year 3, S STB300 STB300 STB310 -2 Chemistry Maths Min Year 4, S STB412 STH420 -1 STH420 -2 STH420 -3 Year 4, S STB413 STH420	Industrial Analytical Chemistry Applied Physical Chemistry Instrumental Analysis Science Research 1 emester 2 Advanced Science Symposium Science Research 2 y Major Unit Option 2 nor Unit emester 1 Advanced Experimental Chemistry Techniques Advanced Research 1 Advanced Research 2 Advanced Research 3 emester 2 Frontiers of Chemistry	





Year	2022
QUT code	ST20
CRICOS	102820D
Duration (full-time)	4 years
ATAR/Selection rank	90.00
Campus	Gardens Point
Domestic fee (indicative)	2022: CSP \$7,400 per year full-time (96 credit points)
International fee (indicative)	2022: \$39,800 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Associate Professor Peter Prentis
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Prerequisites

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C); and
- At least one of Agricultural Science, Biology, Chemistry, Earth and Environmental Science, Marine Science or Physics (Units 3 & 4, B).
- Mathematical Methods (Units 3 & 4, C).

Assumed knowledge

Before you start this course, we assume you have sound knowledge of the subject/s listed below. If you don't have the subject knowledge, you can still apply for the course but we encourage you to undertake bridging studies to gain the knowledge:

- Specialist Mathematics (Units 3 & 4, C); and
- At least one of Agricultural Science, Biology, Chemistry, Earth and Environmental Science, Marine Science or Physics (Units 3 & 4, C) in addition to prerequisite.

Additional entry requirements

You must be a 2021 Year 12 student or a recent Year 12 student returning from up to two gap years.

Adjustments to your ATAR/selection rank

Elite Athlete Scheme adjustments do not apply to this course. Any other adjustment you receive to your ATAR or selection rank will be applied to this course.

Find out if you're eligible for an adjustment to your ATAR or selection rank

International Entry requirements Academic entry requirements

You must be a current student completing Year 12 in Australia.

You will be considered solely on the basis of your ATAR or IB Diploma results.

Please refer to the <u>Guide to entry</u> thresholds.

International Assumed knowledge

 Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C) One of Agricultural Science, Biology, Chemistry, Earth and Environmental Science, Marine Science or Physics (Units 3 & 4, B)

Minimum English

requirements Students must meet the English

proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking 6.0		

Domestic Course structure

ST20 Bachelor of Science Advanced (Honours) comprises 384 credit points (32 units), including 4 core units (STB100, STB200, STB300 and a core option), 240 credit points (20 units) discipline specific major units (including 8 Honours level units) and 96 credit points (8 units) of complementary studies (2 minors).

The Earth Sciences Major consists of twenty (20) units [240cp]

Study Area B requirements for an Earth Sciences Major are:

Applied Mathematics Minor or

Statistical Modelling Minor

and one minor (48 cp) from

Geology extension minor or

Advanced Science minor

International Course

structure

ST20 Bachelor of Science Advanced (Honours) comprises 384 credit points (32 units), including 4 core units (STB100, STB200, STB300 and a core option), 240 credit points (20 units) discipline specific major units (including 8 Honours level units) and 96 credit points (8 units) of complementary studies (2 minors).

The Earth Sciences Major consists of twenty (20) units [240cp]

Study Area B requirements for an Earth Sciences Major are:

Applied Mathematics Minor or

Statistical Modelling Minor



Bachelor of Science Advanced (Honours) (Earth Science)

and one minor (48 cp) from

Geology extension minor or

Advanced Science minor

Sample Structure

Earth Science is critical for Australia's future sustainable development as our natural resources are a major building block of the nation's economy. Geoscientists play a leading role in finding, developing and managing these resources, as well as studying climate change and managing environmental issues, such as chronic water shortage, dry land salinity and coastal development.

An understanding of Planet Earth is fundamental to your career as a Scientist. Earth Science provides us with an understanding of Earth materials, the natural processes acting in and upon our planet, and its history. You will gain advanced skills needed to become a professional Earth Scientist with special emphasis on hands-on skills acquired through laboratory work and field studies for both resource exploration and management and environmental applications. The program provides you with particular strengths in the areas of sedimentary geology, structural geology, igneous processes and geology, hydrogeology, marine geology, and environmental geology - all these subject areas are of particular importance to Queensland and key industrial sectors that underpin our economy. The Earth Science major in the Bachelor of Science Advanced (Honours) will qualify you with an advanced and coherent knowledge in Earth Science.

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
 Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2

Code	Title	
Year 1, Semester 1		
CVB103	Foundations of Chemistry	
ERB202	Marine and Atmospheric Systems	
ERB205	Earth Materials	
Maths Minor Unit 1		
Year 1, Semester 2		
ERB203	Sedimentary Geology and Stratigraphy	
ERB204	Deforming Earth: Fundamentals of Structural	

	Geology
ERB206	Petrology
STB100	Research Skills and Techniques
Year 2, S	-
ERB201	Destructive Earth: Natural Hazards
ERB301	Chemical Earth
ERB302	Applied Geophysics
Maths Mir	
Year 2, S	emester 2
ERB303	Energy Resources and Basin Analysis
ERB306	Earth's Mineral Resources
STB200	Advanced Research Skills and Techniques
Maths Mir	nor Unit 3
Year 3, S	emester 1
ERB305	Geological Field Methods
STB310 -1	Science Research 1
Earth Scie	ence Major Unit Option 1
Maths Mir	nor Unit 4
Year 3, S	emester 2
ERB304	Dynamic Earth: Plate Tectonics
STB300	Advanced Science Symposium
STB310 -2	Science Research 2
Earth Scie	ence Major Unit Option 2
Year 4, S	emester 1
STB410	Advanced Techniques in Earth, Environmental and Biological Research
STH420 -1	Advanced Research 1
	Advanced Research 1
STH420 -2	Advanced Research 2
STH420	
STH420 -2 STH420 -3	Advanced Research 2
STH420 -2 STH420 -3	Advanced Research 2 Advanced Research 3
STH420 -2 STH420 -3 Year 4, S	Advanced Research 2 Advanced Research 3 emester 2 Advanced Topics in Earth, Environmental and Biological
STH420 -2 STH420 -3 Year 4, S STB411 STH420	Advanced Research 2 Advanced Research 3 emester 2 Advanced Topics in Earth, Environmental and Biological Research
STH420 -2 STH420 -3 Year 4, S STB411 STH420 -4 STH420	Advanced Research 2 Advanced Research 3 emester 2 Advanced Topics in Earth, Environmental and Biological Research Advanced Research 4



Year	2022
QUT code	ST20
CRICOS	102820D
Duration (full-time)	4 years
ATAR/Selection rank	90.00
Campus	Gardens Point
Domestic fee (indicative)	2022: CSP \$7,400 per year full-time (96 credit points)
International fee (indicative)	2022: \$39,800 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Associate Professor Peter Prentis
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Prerequisites

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C); and
- At least one of Agricultural Science, Biology, Chemistry, Earth and Environmental Science, Marine Science or Physics (Units 3 & 4, B).
- Mathematical Methods (Units 3 & 4, C).

Assumed knowledge

Before you start this course, we assume you have sound knowledge of the subject/s listed below. If you don't have the subject knowledge, you can still apply for the course but we encourage you to undertake bridging studies to gain the knowledge:

- Specialist Mathematics (Units 3 & 4, C); and
- At least one of Agricultural Science, Biology, Chemistry, Earth and Environmental Science, Marine Science or Physics (Units 3 & 4, C) in addition to prerequisite.

Additional entry requirements

You must be a 2021 Year 12 student or a recent Year 12 student returning from up to two gap years.

Adjustments to your ATAR/selection rank

Elite Athlete Scheme adjustments do not apply to this course. Any other adjustment you receive to your ATAR or selection rank will be applied to this course.

Find out if you're eligible for an adjustment to your ATAR or selection rank

International Entry requirements Academic entry requirements

You must be a current student completing Year 12 in Australia.

You will be considered solely on the basis of your ATAR or IB Diploma results.

Please refer to the <u>Guide to entry</u> thresholds.

International Assumed knowledge

 Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C) One of Agricultural Science, Biology, Chemistry, Earth and Environmental Science, Marine Science or Physics (Units 3 & 4, B)

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Domestic Course structure

ST20 Bachelor of Science Advanced (Honours) comprises 384 credit points (32 units), including 4 core units (STB100, STB200, STB300 and a core option), 240 credit points (20 units) discipline specific major units (including 8 Honours level units) and 96 credit points (8 units) of complementary studies (2 minors).

Study Area B requirements for an

- Environmental Science Major are:
 - Statistical Modelling minor

And one minor (48 cp from)

- Environmental Management Minor
- Advanced Science Minor

International Course

structure

ST20 Bachelor of Science Advanced (Honours) comprises 384 credit points (32 units), including 4 core units (STB100, STB200, STB300 and a core option), 240 credit points (20 units) discipline specific major units (including 8 Honours level units) and 96 credit points (8 units) of complementary studies (2 minors).

Study Area B requirements for an Environmental Science Major are:

Statistical Modelling minor

And one minor (48 cp from)

- Environmental Management Minor
- Advanced Science Minor

Sample Structure

The Environmental Science major in the Bachelor of Science Advanced (Honours) will qualify students with an advanced and coherent knowledge of environmental processes and systems. The study of Environmental Science provides an in depth knowledge of the Earth's natural



Bachelor of Science Advanced (Honours) (Environmental Science)

resources and an understanding of the mechanisms, natural processes and human impacts that shape environmental systems. Environmental Scientists play an integral role in managing Australia's future sustainable development, environment impacts and resource management while minimising impacts and degradation.

Within this major students will gain the skills required to pursue a career as a professional environmental scientist, science educator or resource manager. This will be achieved with an emphasis on developing theoretical understanding of environmental processes and systems together with hands-on skill development and hypothesis testing through practical and field studies. The major will provide students with particular strengths in the areas of land resources, environmental impacts, geographic information systems and field mapping, systems modelling and environmental management.

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1 Year 2, Semester 2 •
- ٠
- Year 3, Semester 1
- Year 3, Semester 2 Year 4, Semester 1 •
- Year 4, Semester 2

Code	Title
Year 1, S	emester 1
CVB103	Foundations of Chemistry
ERB201	Destructive Earth: Natural Hazards
EVB203	Geospatial Information Science
MXB100	Introductory Calculus and Algebra
Year 1, S	emester 2
EGB383	Environmental Resource Management
ERB101	Earth Systems
STB100	Research Skills and Techniques
Statistica	Modelling Minor Unit 2
Year 2, S	emester 1
BVB202	Experimental Design and Quantitative Methods
EGB274	Environmentally Sustainable Design
EVB312	Soils and the Environment
Statistica	Modelling Minor Unit 3
Year 2, S	emester 2
BVB204	Ecology
EVB302	Environmental Pollution
STB200	Advanced Research Skills

and Techniques			
Statistical Modelling Minor Unit 4			
Year 3, Semester 1			
BVB311	Conservation Biology		
PQB360	Introduction to Climate Change		
STB310 -1	Science Research 1		
Environm Option 1	Environmental Science Major Unit Option 1		
Year 3, S	emester 2		
ERB310			
STB300	Advanced Science Symposium		
STB310 -2	Science Research 2		
Environm Option 2	Environmental Science Major Unit Option 2		
Year 4, Semester 1			
Year 4, S	emester 1		
Year 4, S STB410	emester 1 Advanced Techniques in Earth, Environmental and Biological Research		
	Advanced Techniques in Earth, Environmental and		
STB410 STH420	Advanced Techniques in Earth, Environmental and Biological Research		
STB410 STH420 -1 STH420	Advanced Techniques in Earth, Environmental and Biological Research Advanced Research 1		
STB410 STH420 -1 STH420 -2 STH420 -3	Advanced Techniques in Earth, Environmental and Biological Research Advanced Research 1 Advanced Research 2		
STB410 STH420 -1 STH420 -2 STH420 -3	Advanced Techniques in Earth, Environmental and Biological Research Advanced Research 1 Advanced Research 2 Advanced Research 3		
STB410 STH420 -1 STH420 -2 STH420 -3 Year 4, S	Advanced Techniques in Earth, Environmental and Biological Research Advanced Research 1 Advanced Research 2 Advanced Research 3 emester 2 Advanced Topics in Earth, Environmental and Biological		
STB410 STH420 -1 STH420 -2 STH420 -3 Year 4, S STB411 STH420	Advanced Techniques in Earth, Environmental and Biological Research Advanced Research 1 Advanced Research 2 Advanced Research 3 emester 2 Advanced Topics in Earth, Environmental and Biological Research		



Year	2022
QUT code	ST20
CRICOS	102820D
Duration (full-time)	4 years
ATAR/Selection rank	90.00
Campus	Gardens Point
Domestic fee (indicative)	2022: CSP \$7,400 per year full-time (96 credit points)
International fee (indicative)	2022: \$39,800 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Associate Professor Peter Prentis
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Prerequisites

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C); and
- Mathematical Methods (Units 3 & 4, C); and
- Physics (Units 3 & 4, B)

Assumed knowledge

Before you start this course, we assume you have sound knowledge of the subject/s listed below. If you don't have the subject knowledge, you can still apply for the course but we encourage you to undertake bridging studies to gain the knowledge:

- Specialist Mathematics (Units 3 & 4, C); and
- At least one of Agricultural Science, Biology, Chemistry, Earth and Environmental Science, or Marine Science (Units 3 & 4, C).

Additional entry requirements

You must be a 2021 Year 12 student or a recent Year 12 student returning from up to two gap years.

Adjustments to your ATAR/selection rank

Elite Athlete Scheme adjustments do not apply to this course. Any other adjustment you receive to your ATAR or selection rank will be applied to this course.

Find out if you're eligible for an adjustment to your ATAR or selection rank

International Entry requirements Academic entry requirements

You must be a current student completing Year 12 in Australia.

You will be considered solely on the basis of your ATAR or IB Diploma results.

Please refer to the <u>Guide to entry</u> thresholds.

International Assumed knowledge

- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)
 Dhuriag (Units 2 & 4, P)
- Physics (Units 3 & 4, B)

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Domestic Course structure

ST20 Bachelor of Science Advanced (Honours) comprises 384 credit points (32 units), including 4 core units (STB100, STB200, STB300 and a core option), 240 credit points (20 units) Physics units (including 8 Honours level units) and 96 credit points (8 units) of complementary studies (2 minors).

Physics Majors are also required to complete the following study area B components (Minors)

• Mathematics for Physics minor

and one minor (48 cps) from:

- Astrophysics Minor
- Nanotechnology Minor
- Advanced Science minor

International Course structure

ST20 Bachelor of Science Advanced (Honours) comprises 384 credit points (32 units), including 4 core units (STB100, STB200, STB300 and a core option), 240 credit points (20 units) Physics units (including 8 Honours level units) and 96 credit points (8 units) of complementary studies (2 minors).

Physics Majors are also required to complete the following study area B components (Minors)

• Mathematics for Physics minor

and one minor (48 cps) from:

- Astrophysics Minor
- Nanotechnology Minor
- Advanced Science minor

Sample Structure Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
 Year 2, Semester 2
- Year 3, Semester 2
 Year 4, Semester 1



Bachelor of Science Advanced (Honours) (Physics)

• Year 4, Semester 2

Year 4, Semester 2		
Code	Title	
Year 1, S	emester 1	
CVB103	Foundations of Chemistry	
Maths Mi	nor Unit (MXB100 or MXB322)	
PVB103	Foundations of Physics	
DUDADA	(Advanced)	
PVB104	Optics emester 2	
	nor Unit (MXB103)	
	nor Unit (PVB200)	
	Research Skills and	
STB100	Techniques	
Physics M	/linor Unit	
Year 2, S	emester 1	
PVB202	Mathematical Methods in Physics	
PVB203	Experimental Physics	
PVB301	Materials and Thermal	
	Physics	
	/linor Unit	
	emester 2	
PVB204	Electromagnetism Advanced Research Skills	
STB200	and Techniques	
-	Ainor Unit	
-	/linor Unit	
	Semester 1	
Maths Mi	nor Unit (MXB201)	
PVB302	Classical and Quantum Physics	
PVB302 STB310 -1		
STB310 -1	Physics	
STB310 -1 Physics M	Physics Science Research 1	
STB310 -1 Physics M	Physics Science Research 1 //ajor Unit Option	
STB310 -1 Physics M Year 3, S	Physics Science Research 1 Major Unit Option emester 2 Advanced Science	
STB310 -1 Physics N Year 3, S STB300 STB310	Physics Science Research 1 Major Unit Option emester 2 Advanced Science Symposium	
STB310 -1 Physics N Year 3, S STB300 STB310 -2 PVB303	Physics Science Research 1 Major Unit Option emester 2 Advanced Science Symposium Science Research 2	
STB310 -1 Physics N Year 3, S STB300 STB310 -2 PVB303 Physics N	Physics Science Research 1 Major Unit Option emester 2 Advanced Science Symposium Science Research 2 Nuclear and Particle Physics	
STB310 -1 Physics N Year 3, S STB300 STB310 -2 PVB303 Physics N	Physics Science Research 1 Major Unit Option emester 2 Advanced Science Symposium Science Research 2 Nuclear and Particle Physics Major Unit Option	
STB310 -1 Physics N Year 3, S STB300 STB310 -2 PVB303 Physics N Year 4, S	Physics Science Research 1 Major Unit Option emester 2 Advanced Science Symposium Science Research 2 Nuclear and Particle Physics Major Unit Option emester 1 Advanced Quantum	
STB310 -1 Physics N Year 3, S STB300 STB310 -2 PVB303 Physics N Year 4, S STB414 STH420	Physics Science Research 1 Major Unit Option emester 2 Advanced Science Symposium Science Research 2 Nuclear and Particle Physics Major Unit Option emester 1 Advanced Quantum Mechanics	
STB310 -1 Physics N Year 3, S STB300 STB310 -2 PVB303 Physics N Year 4, S STB414 STH420 -1 STH420	Physics Science Research 1 Major Unit Option emester 2 Advanced Science Symposium Science Research 2 Nuclear and Particle Physics Major Unit Option emester 1 Advanced Quantum Mechanics Advanced Research 1	
STB310 -1 Physics N Year 3, S STB300 STB310 -2 PVB303 Physics N Year 4, S STB414 STH420 -1 STH420 -2 STH420 -2 STH420 -3	Physics Science Research 1 Major Unit Option emester 2 Advanced Science Symposium Science Research 2 Nuclear and Particle Physics Major Unit Option emester 1 Advanced Quantum Mechanics Advanced Research 1 Advanced Research 2	
STB310 -1 Physics N Year 3, S STB300 STB310 -2 PVB303 Physics N Year 4, S STB414 STH420 -1 STH420 -2 STH420 -2 STH420 -3	Physics Science Research 1 Major Unit Option emester 2 Advanced Science Symposium Science Research 2 Nuclear and Particle Physics Major Unit Option emester 1 Advanced Quantum Mechanics Advanced Research 1 Advanced Research 2 Advanced Research 3	
STB310 -1 Physics N Year 3, S STB300 STB310 -2 PVB303 Physics N Year 4, S STB414 STH420 -1 STH420 -2 STH420 -3 Year 4, S	Physics Science Research 1 Major Unit Option emester 2 Advanced Science Symposium Science Research 2 Nuclear and Particle Physics Major Unit Option emester 1 Advanced Quantum Mechanics Advanced Research 1 Advanced Research 2 Advanced Research 3 emester 2 Advances in Experimental	
STB310 -1 Physics N Year 3, S STB300 STB310 -2 PVB303 Physics N Year 4, S STB414 STH420 -1 STH420 -2 STH420 -3 Year 4, S STB415 STH420	Physics Science Research 1 Major Unit Option emester 2 Advanced Science Symposium Science Research 2 Nuclear and Particle Physics Major Unit Option emester 1 Advanced Quantum Mechanics Advanced Research 1 Advanced Research 2 Advanced Research 3 emester 2 Advances in Experimental Physics	

This information is correct as at 04/10/2022. For the most up-to-date course information, visit https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?courseCode=ST20&id=39054. CRICOS No.00213J

-5 STH420 -6 Advanced Research 6

Course Notes



Bachelor of Science (Biological Sciences)/Master of Teaching (Secondary)

Year	2022
QUT code	SV02
CRICOS	103173M
Duration (full-time)	4 years
ATAR/Selection rank	84.00
Offer Guarantee	Yes
Domestic fee (indicative)	2022: CSP \$8,000 per year full-time (108 credit points).
International fee (indicative)	2022: \$41,500 per year full-time (108 credit points)
Total credit points	432
Credit points full-time sem.	48
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Additional entry requirements

You must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

To demonstrate this you must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. Details are available from the QTAC initial teacher education webpage.

If you've achieved a 'satisfactory' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the 'satisfactory' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at 'unsatisfactory' after two test attempts for that component.

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Entry requirements

Additional entry requirements Pass the Initial Teacher

Education Course (ITE) Capabilities Criteria.

Applicants must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

You must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. In the questionnaire you will be asked to:

- · Rank a series of potentially appropriate statement responses, in order of what you think is most to least important.
- Provide two x 500 word written

statements addressing the categories and indicators as outlined on the Teacher Entry Fact Sheet.

QUT will send you details on how to complete the Initial Teacher Education Course (ITE) Capabilities Criteria guestionnaire and submit your written statements after you have lodged an application.

If you've achieved a 'satisfactory' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the 'satisfactory' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at 'unsatisfactory' after two test attempts for that component.

International Assumed knowledge

 Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	7.5	
Listening	8.0	
Reading	7.0	
Writing	7.0	
Speaking 8.0		

Domestic Course structure

This course is a vertical double degree. combining ST01 Bachelor of Science (Biological Sciences) with EU50 Master of Teaching (Secondary).

International Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science (Biological Sciences) with EU50 Master of Teaching (Secondary).

Sample Structure

Semesters

- Year 1, Semester 1 Year 1 Semester 2
- Year 1 Summer
- Year 2, Semester 1 Year 2, Semester 2



Bachelor of Science (Biological Sciences)/Master of Teaching (Secondary)

Year 3 Semester 2

- Year 2, Summer (EU50 Master of Teaching (Secondary))
- ٠
- Year 3, Semester 1 Year 3, Semester 2 Year 4 Semester 1 ٠
- ٠
- Year 4 Semester 2 ٠

Code	Title	
Year 1, Semester 1		
SEB113	Quantitative Methods in Science	
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
CZB190	Chemistry for Health Sciences	
Year 1 Se	emester 2	
MXB100	Introductory Calculus and Algebra	
BVB101	Foundations of Biology	
BVB102	Evolution	
Science C	Option Unit	
Year 1 Su	ummer	
SEB104	Grand Challenges in Science	
Year 2, S	emester 1	
BVB202	Experimental Design and Quantitative Methods	
BVB203	Plant Biology	
	03 requires BVB201 as a pre-	
requisite, waiver.	please request a requisite	
BVB301	Animal Riology	
	Animal Biology Option Unit	
	emester 2	
BVB201	Biological Processes	
BVB201 BVB204	Ecology	
DVD204	Population Genetics and	
BVB313	Molecular Ecology	
	13 requires BVB204 as a pre- please request a requisite	
Science C	Option Unit	
	ummer (EU50 Master of	
Teaching	(Secondary))	
EUN101	Supporting Innovative Pedagogy with Digital Technologies	
EUN102	Child and Adolescent Development	
EUN103	Teaching EAL/D Learners	
EUN104	Culture Studies: Indigenous Education	
Year 3, S	emester 1	
EUN105	Teaching in New Times	
EUN120	Curriculum and Pedagogy 1: Foundations	
BVB305	Microbiology and the Environment	
Biology a Research	nd Environmental Science	

10010,0	emester 2	
EUN109	Inclusive Teaching for Diverse Learners	
EUN110	Teachers as Leaders and Entrepreneurial Thinkers	
EUN121	Curriculum and Pedagogy 2: Planning	
EUN122	Curriculum and Pedagogy 3: Assessment	
EUN130	Professional Experience: Introduction to Professional Practice	
days prof	ed Unit: EUN130. Contains 15 essional experience and a blue card	
Year 4 Se		
	Understanding Adolescent	
EUN211	Learners	
EUN221	Curriculum and Pedagogy 4: Senior A	
EUN222	Curriculum and Pedagogy 5: Senior B	
EUN231	Professional Experience: Informing Professional Practice	
days prof requires a	ed Unit: EUN231. Contains 20 essional experience and a blue card	
Year 4 Se	emester 2	
EUN223	Curriculum and Pedagogy 6: Learning Project	
EUN232	Professional Experience: Transition to Professional Practice	
days prof requires a	ed Unit: EUN232. Contains 25 essional experience and a blue card. Must be taken in semester of study.	
EUN240	Teachers Researching Practice	
Designated Unit: EUN240. EUN240 is a Capstone unit with Conference and must be taken in your final semester of study. Completion of all units in your course is assumed knowledge. It requires a blue card.		
Select either MXN501 or MXN600 from the Master of Teaching (Secondary) unit		
options. F selected (Please note, the unit you (MXN501 or MXN600) is y for students in the Biological	
options. F selected (mandator Sciences	Please note, the unit you (MXN501 or MXN600) is y for students in the Biological	
options. F selected (mandator Sciences	Please note, the unit you (MXN501 or MXN600) is y for students in the Biological Major.	
options. F selected (mandator Sciences MXN501	Please note, the unit you (MXN501 or MXN600) is y for students in the Biological Major.	

Bachelor of Science (Chemistry)/Master of Teaching (Secondary)

Year	2022
QUT code	SV02
CRICOS	103173M
Duration (full-time)	4 years
ATAR/Selection rank	84.00
Offer Guarantee	Yes
Domestic fee (indicative)	2022: CSP \$8,000 per year full-time (108 credit points).
International fee (indicative)	2022: \$41,500 per year full-time (108 credit points)
Total credit points	432
Credit points full-time sem.	48
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Additional entry requirements

You must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

To demonstrate this you must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. Details are available from the QTAC initial teacher education webpage.

If you've achieved a 'satisfactory' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the 'satisfactory' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at 'unsatisfactory' after two test attempts for that component.

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Entry requirements

Additional entry requirements Pass the Initial Teacher

Education Course (ITE) Capabilities Criteria.

Applicants must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

You must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. In the questionnaire you will be asked to:

- · Rank a series of potentially appropriate statement responses, in order of what you think is most to least important.
- Provide two x 500 word written

statements addressing the categories and indicators as outlined on the Teacher Entry Fact Sheet.

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International Assumed knowledge

 Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	7.5	
Listening	8.0	
Reading	7.0	
Writing	7.0	
Speaking	8.0	

Domestic Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science (Chemistry) with EU50 Master of Teaching (Secondary).

International Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science (Chemistry) with EU50 Master of Teaching (Secondary).

Sample Structure Semesters

- Year 1, Semester 1 Year 1 Semester 2
- Year 1 Summer Semester
- Year 2, Semester 1 Year 2, Semester 2



Bachelor of Science (Chemistry)/Master of Teaching (Secondary)

- Year 2, Summer 2 (EU50 Master of Teaching (Secondary))
- Year 3, Semester 1 Year 3, Semester 2 Year 4, Semester 1 Year 4, Semester 2 ٠
- ٠
- ٠
- ٠

Year 1, Semester 1CVB101General ChemistryCVB102Chemical Structure and ReactivitySEB115Experimental Science 1SEB116Experimental Science 2Year 1 Semester 2SEB113Quantitative Methods in ScienceMXB100Introductory Calculus and AlgebraCVB203Physical ChemistryScience Option UnitYear 1 Summer SemesterSEB104Grand Challenges in ScienceYear 2, Semester 1CVB201Inorganic ChemistryCVB202Analytical ChemistryCVB203Physical ChemistryCVB204Organic Structure and MechanismsCVB204Organic Structure and MechanismsCVB302Applied Physical ChemistryCVB303Coordination ChemistryScience Option UnitYear 2, Summer 2 (EU50 Master of Teaching (Secondary))EUN101Supporting Innovative Pedagogy with Digital TechnologiesEUN102Child and Adolescent DevelopmentEUN103Teaching EAL/D LearnersEUN104Culture Studies: Indigenous EducationYear 3, Semester 1EUN105Teaching in New TimesEUN106Organic Chemistry: Strategies for SynthesisCVB304Chemistry Research Project Year 3, Semester 2EUN109Inclusive Teaching for Diverse LearnersEUN109Inclusive Teaching for Diverse LearnersEUN109Inclusive Teaching for Diverse LearnersEUN109Inclusive Teaching for Diverse Learners <t< th=""><th>Code</th><th>Title</th></t<>	Code	Title
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CVB303Coordination ChemistryScience Option UnitYear 2, Summer 2 (EU50 Master of Teaching (Secondary))EUN101Supporting Innovative Pedagogy with Digital TechnologiesEUN102Child and Adolescent DevelopmentEUN103Teaching EAL/D LearnersEUN104Culture Studies: Indigenous EducationYear 3, Semester 1EUN105Teaching in New TimesEUN104Curriculum and Pedagogy 1: FoundationsCVB301Organic Chemistry: Strategies for SynthesisCVB304Chemistry Research ProjectYear 3, Semester 2EUN109Inclusive Teaching for Diverse LearnersEUN109Curriculum and Pedagogy 2:	CVB204	
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Year 2, Summer 2 (EU50 Master of Teaching (Secondary))EUN101Supporting Innovative Pedagogy with Digital TechnologiesEUN102Child and Adolescent DevelopmentEUN103Teaching EAL/D LearnersEUN104Culture Studies: Indigenous EducationYear 3, Semester 1EUN105Teaching in New TimesEUN120Curriculum and Pedagogy 1: FoundationsCVB301Organic Chemistry: Strategies for SynthesisCVB304Chemistry Research ProjectYear 3, Semester 2EUN109Inclusive Teaching for Diverse LearnersEUN1010Teachers as Leaders and Entrepreneurial ThinkersEUN1101Teachers as Leaders and Entrepreneurial Thinkers	CVB303	Coordination Chemistry
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EUN101Supporting Innovative Pedagogy with Digital TechnologiesEUN102Child and Adolescent DevelopmentEUN103Teaching EAL/D LearnersEUN104Culture Studies: Indigenous EducationYear 3, Semester 1EUN105Teaching in New TimesEUN106Curriculum and Pedagogy 1: FoundationsCVB301Organic Chemistry: Strategies for SynthesisCVB304Chemistry Research ProjectYear 3, Semester 2EUN109Inclusive Teaching for Diverse LearnersEUN109Curriculum and Pedagogy 2:		
EUN101Pedagogy with Digital TechnologiesEUN102Child and Adolescent DevelopmentEUN103Teaching EAL/D LearnersEUN104Culture Studies: Indigenous EducationYear 3, Semester 1EUN105Teaching in New TimesEUN120Curriculum and Pedagogy 1: FoundationsCVB301Organic Chemistry: Strategies for SynthesisCVB304Chemistry Research ProjectYear 3, Semester 2EUN109Inclusive Teaching for Diverse LearnersEUN1010Teachers as Leaders and Entrepreneurial ThinkersEUN1101Curriculum and Pedagogy 2:	Teaching	
EUN102DevelopmentEUN103Teaching EAL/D LearnersEUN104Culture Studies: Indigenous EducationYear 3, Semester 1EUN105Teaching in New TimesEUN120Curriculum and Pedagogy 1: FoundationsCVB301Organic Chemistry: Strategies for SynthesisCVB304Chemistry Research ProjectYear 3, Semester 2EUN109Inclusive Teaching for Diverse LearnersEUN1010Teachers as Leaders and Entrepreneurial ThinkersEUN121Curriculum and Pedagogy 2:	EUN101	Pedagogy with Digital
EUN104Culture Studies: Indigenous EducationYear 3, Semester 1EUN105Teaching in New TimesEUN120Curriculum and Pedagogy 1: FoundationsCVB301Organic Chemistry: Strategies for SynthesisCVB304Chemistry Research ProjectYear 3, Semester 2EUN109Inclusive Teaching for Diverse LearnersEUN109Teachers as Leaders and Entrepreneurial ThinkersEUN121Curriculum and Pedagogy 2:	EUN102	
EUN104Culture Studies: Indigenous EducationYear 3, Semester 1EUN105Teaching in New TimesEUN120Curriculum and Pedagogy 1: FoundationsCVB301Organic Chemistry: Strategies for SynthesisCVB304Chemistry Research ProjectYear 3, Semester 2EUN109Inclusive Teaching for Diverse LearnersEUN109Teachers as Leaders and Entrepreneurial ThinkersEUN121Curriculum and Pedagogy 2:	EUN103	Teaching EAL/D Learners
EUN105Teaching in New TimesEUN120Curriculum and Pedagogy 1: FoundationsCVB301Organic Chemistry: Strategies for SynthesisCVB304Chemistry Research ProjectYear 3, Semester 2EUN109Inclusive Teaching for Diverse LearnersEUN110Teachers as Leaders and Entrepreneurial ThinkersEUN121Curriculum and Pedagogy 2:	EUN104	Culture Studies: Indigenous
EUN120Curriculum and Pedagogy 1: FoundationsCVB301Organic Chemistry: Strategies for SynthesisCVB304Chemistry Research ProjectYear 3, Semester 2EUN109Inclusive Teaching for Diverse LearnersEUN110Teachers as Leaders and Entrepreneurial ThinkersEUN121Curriculum and Pedagogy 2:	Year 3, S	emester 1
EUN120FoundationsCVB301Organic Chemistry: Strategies for SynthesisCVB304Chemistry Research ProjectYear 3, Semester 2EUN109Inclusive Teaching for Diverse LearnersEUN109Teachers as Leaders and Entrepreneurial ThinkersEUN121Curriculum and Pedagogy 2:	EUN105	Teaching in New Times
CVB301for SynthesisCVB304Chemistry Research ProjectYear 3, Semester 2EUN109Inclusive Teaching for Diverse LearnersEUN109Teachers as Leaders and Entrepreneurial ThinkersEUN110Curriculum and Pedagogy 2:	EUN120	
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EUN109Inclusive Teaching for Diverse LearnersEUN110Teachers as Leaders and Entrepreneurial ThinkersEUN121Curriculum and Pedagogy 2:	CVB304	Chemistry Research Project
EUN109 Learners EUN110 Teachers as Leaders and Entrepreneurial Thinkers EUN121 Curriculum and Pedagogy 2:	Year 3, S	emester 2
EUN110 Entrepreneurial Thinkers EUN121 Curriculum and Pedagogy 2:	EUN109	
	EUN110	
	EUN121	

FUNKAR	0		
EUN122	Curriculum and Pedagogy 3: Assessment		
EUN130	Professional Experience: Introduction to Professional Practice		
days prof	Designated Unit: EUN130. Contains 15 days professional experience and requires a blue card		
Year 4, S	emester 1		
EUN211	Understanding Adolescent		
EUN221	Learners Curriculum and Pedagogy 4: Senior A		
EUN222	Curriculum and Pedagogy 5: Senior B		
EUN231	Professional Experience: Informing Professional Practice		
Designated Unit: EUN231. Contains 20 days professional experience and requires a blue card			
Year 4, S	emester 2		
EUN223	Curriculum and Pedagogy 6: Learning Project		
EUN232	Professional Experience: Transition to Professional Practice		
Designated Unit: EUN232. Contains 25 days professional experience and requires a blue card. Must be taken in your final semester of study.			
EUN240	Teachers Researching Practice		
Designated Unit: EUN240. EUN240 is a Capstone unit with Conference and must be taken in your final semester of study. Completion of all units in your course is assumed knowledge. It requires a blue card.			
Select either MXN501 or MXN600 from the Master of Teaching (Secondary) unit options. Please note, the unit you selected (MXN501 or MXN600) is mandatory for students in the Chemistry Major.			
MXN501	Stochastic Modelling		
OR			
MXN600	Advanced Statistical Data Analysis		
Please note, this unit (MXN501 or MXN600) is credited towards SV02 Bachelor of Science (Chemistry)/ Master of Teaching (Secondary).			



Bachelor of Science (Earth Science)/Master of Teaching (Secondary)

Year	2022
QUT code	SV02
CRICOS	103173M
Duration (full-time)	4 years
ATAR/Selection rank	84.00
Offer Guarantee	Yes
Domestic fee (indicative)	2022: CSP \$8,000 per year full-time (108 credit points).
International fee (indicative)	2022: \$41,500 per year full-time (108 credit points)
Total credit points	432
Credit points full-time sem.	48
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Additional entry requirements

You must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

To demonstrate this you must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. Details are available from the QTAC initial teacher education webpage.

If you've achieved a 'satisfactory' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the 'satisfactory' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at 'unsatisfactory' after two test attempts for that component.

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Entry requirements

Additional entry requirements Pass the Initial Teacher

Education Course (ITE) Capabilities Criteria.

Applicants must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

You must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. In the questionnaire you will be asked to:

- · Rank a series of potentially appropriate statement responses, in order of what you think is most to least important.
- Provide two x 500 word written

statements addressing the categories and indicators as outlined on the Teacher Entry Fact Sheet.

QUT will send you details on how to complete the Initial Teacher Education Course (ITE) Capabilities Criteria questionnaire and submit your written statements after you have lodged an application.

If you've achieved a 'satisfactory' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the 'satisfactory' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at 'unsatisfactory' after two test attempts for that component.

International Assumed knowledge

 Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	7.5	
Listening	8.0	
Reading	7.0	
Writing	7.0	
Speaking	8.0	

Domestic Course structure

This course is a vertical double degree. combining ST01 Bachelor of Science (Earth Science) with EU50 Master of Teaching (Secondary).

International Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science (Earth Science) with EU50 Master of Teaching (Secondary).

Sample Structure Semesters

- Year 1, Semester 1
- Year 1 Semester 2
- Year 1 Summer Semester
- Year 2, Semester 1 Year 2, Semester 2



Bachelor of Science (Earth Science)/Master of Teaching (Secondary)

- (EU50 Master of Teaching (Secondary))
- ٠
- Year 3, Semester 1 Year 3, Semester 2 Year 4, Semester 1 ٠
- ٠
- Year 4, Semester 2 •

Code	Title		
Year 1, Semester 1			
SEB113	Quantitative Methods in Science		
SEB115	Experimental Science 1		
SEB116	Experimental Science 2		
ERB201	Destructive Earth: Natural Hazards		
Year 1 Se	emester 2		
MXB100	Introductory Calculus and Algebra		
ERB101	Earth Systems		
ERB102	Evolving Earth		
	Option Unit		
	ummer Semester		
SEB104	Grand Challenges in Science		
Year 2, S	emester 1		
ERB202	Marine and Atmospheric Systems		
ERB301	Chemical Earth		
ERB205	Earth Materials		
· ·	Maths Option Unit		
rear 2, S	emester 2		
ERB203	Sedimentary Geology and Stratigraphy		
ERB204	Deforming Earth: Fundamentals of Structural Geology		
ERB206	Petrology		
	Option Unit		
(EU50 Master of Teaching (Secondary))			
EUN101	Supporting Innovative Pedagogy with Digital Technologies		
EUN102	Child and Adolescent Development		
EUN103	Teaching EAL/D Learners		
EUN104	Culture Studies: Indigenous Education		
Year 3, Semester 1			
EUN105	Teaching in New Times		
EUN120	Curriculum and Pedagogy 1: Foundations		
ERB302	Applied Geophysics		
ERB305	Geological Field Methods		
Year 3, S	emester 2		
EUN109	Inclusive Teaching for Diverse Learners		
EUN110	Teachers as Leaders and Entrepreneurial Thinkers		
EUN121	Curriculum and Pedagogy 2:		

Planning Curriculum and Pedagogy 3: Assessment		
///////////////////////////////////////		
Professional Experience: Introduction to Professional Practice		
Designated Unit: EUN130. Contains 15 days professional experience and requires a blue card		
emester 1		
Understanding Adolescent Learners		
Curriculum and Pedagogy 4: Senior A		
Curriculum and Pedagogy 5: Senior B		
Professional Experience: Informing Professional Practice		
Designated Unit: EUN231. Contains 20 days professional experience and requires a blue card		
emester 2		
Curriculum and Pedagogy 6: Learning Project		
Professional Experience: Transition to Professional Practice		
ed Unit: EUN232. Contains 25 essional experience and blue card. Must be taken in semester of study.		
Teachers Researching Practice		
Designated Unit: EUN240. EUN240 is a Capstone unit with Conference and must be taken in your final semester of study. Completion of all units in your course is assumed knowledge. It requires a blue card.		
Select either MXN501 or MXN600 from the Master of Teaching (Secondary) unit options. Please note, the unit you selected (MXN501 or MXN600) is mandatory for students in the Earth Science Major.		
Stochastic Modelling		
Advanced Statistical Data Analysis		
Please note, this unit (MXN501 or MXN600) is credited towards SV02 Bachelor of Science (Earth Science)/ Master of Teaching (Secondary).		



Year	2022
QUT code	SV02
CRICOS	103173M
Duration (full-time)	4 years
ATAR/Selection rank	84.00
Offer Guarantee	Yes
Domestic fee (indicative)	2022: CSP \$8,000 per year full-time (108 credit points).
International fee (indicative)	2022: \$41,500 per year full-time (108 credit points)
Total credit points	432
Credit points full-time sem.	48
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Additional entry requirements

You must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

To demonstrate this you must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. Details are available from the <u>QTAC initial teacher</u> <u>education webpage</u>.

If you've achieved a '*satisfactory*' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the '*satisfactory*' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at '*unsatisfactory*' after two test attempts for that component.

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Entry requirements

Additional entry requirements Pass the Initial Teacher

Education Course (ITE) Capabilities Criteria.

Applicants must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

You must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. In the questionnaire you will be asked to:

- Rank a series of potentially appropriate statement responses, in order of what you think is most to least important.
- Provide two x 500 word written

statements addressing the categories and indicators as outlined on the <u>Teacher Entry Fact</u> <u>Sheet</u>.

QUT will send you details on how to complete the Initial Teacher Education Course (ITE) Capabilities Criteria questionnaire and submit your written statements after you have lodged an application.

If you've achieved a 'satisfactory' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the 'satisfactory' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at 'unsatisfactory' after two test attempts for that component.

International Assumed knowledge

• Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	7.5	
Listening	8.0	
Reading	7.0	
Writing	7.0	
Speaking	8.0	

Domestic Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science (Environmental Science) with EU50 Master of Teaching (Secondary).

International Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science (Environmental Science) with EU50 Master of Teaching (Secondary).

Sample Structure Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 1 Summer Semester
- Year 2, Semester 1 Year 2, Semester 2



Bachelor of Science (Environmental Science)/Master of Teaching (Secondary)

- Year 2, Summer (EU50 Master of Teaching (Secondary))
- ٠
- Year 3, Semester 1 Year 3, Semester 2 Year 4, Semester 1 Year 4, Semester 2 ٠
- •
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Code	Title
rear 1, S	emester 1
SEB113	Quantitative Methods in Science
SEB115	Experimental Science 1
SEB116	Experimental Science 2
CZB190	Chemistry for Health Sciences
Year 1, S	emester 2
MXB100	Introductory Calculus and Algebra
ERB101	Earth Systems
EVB102	Ecosystems and the Environment
Science C	Option Unit
Year 1 Su	ummer Semester
SEB104	Grand Challenges in Science
Year 2, S	emester 1
EVB312	Soils and the Environment
BVB202	Experimental Design and Quantitative Methods
EVB203	Geospatial Information Science
Science (Option Unit
Year 2, S	emester 2
ERB310	Groundwater Systems
BVB204	Ecology
EVB302	Environmental Pollution
Science C	Option Unit
Year 2, S	ummer (EU50 Master of
Teaching	(Secondary))
EUN101	Supporting Innovative Pedagogy with Digital Technologies
EUN102	Child and Adolescent Development
EUN103	Teaching EAL/D Learners
EUN104	Culture Studies: Indigenous Education
Year 3, S	emester 1
EUN105	Teaching in New Times
EUN120	Curriculum and Pedagogy 1: Foundations
BVB311	Conservation Biology
Biology a Research	nd Environmental Science
Year 3, S	emester 2
EUN109	Inclusive Teaching for Diverse Learners
EUN110	Teachers as Leaders and Entrepreneurial Thinkers
EUN121	Curriculum and Pedagogy 2:

EUN122 Assess EUN130 Profess Introdu Practic Designated Unit: days professiona requires a blue ca Year 4, Semester	Ilum and Pedagogy 3: sment sional Experience: ction to Professional e EUN130. Contains 15 I experience and ard r 1 standing Adolescent rs	
EUN122 Assess EUN130 Profess Introdu Practic Designated Unit: days professiona requires a blue ca Year 4, Semester EUN211 Unders	sment sional Experience: ction to Professional e EUN130. Contains 15 I experience and ard r 1 standing Adolescent rs	
EUN130 Introdu Practic Designated Unit: days professiona requires a blue ca Year 4, Semester FUN211 Unders	ction to Professional e EUN130. Contains 15 I experience and ard 1 standing Adolescent rs	
days professiona requires a blue ca Year 4, Semester ELIN211 Unders	I experience and ard r 1 standing Adolescent rs	
Year 4, Semester	r 1 standing Adolescent rs	
EUN211 Unders	standing Adolescent	
	rs	
EUN221 Curricu Senior	Ilum and Pedagogy 4: A	
EUN222 Curricu Senior	llum and Pedagogy 5: B	
	sional Experience:	
EUN231 Informi Practic	ng Professional e	
	EUN231. Contains 20	
days professiona requires a blue ca		
Year 4, Semester		
	Ilum and Pedagogy 6:	
Learnir	ng Project	
	sional Experience: ion to Professional e	
Designated Unit: EUN232. Contains 25 days professional experience and requires a blue card. Must be taken in		
your final semest EUN240 Teache Practic	ers Researching	
Designated Unit: EUN240. EUN240 is a Capstone unit with Conference and must be taken in your final semester of study. Completion of all units in your course is assumed knowledge. It requires a blue card.		
Select either MXN501 or MXN600 from the Master of Teaching (Secondary) unit options. Please note, the unit you selected (MXN501 or MXN600) is		
mandatory for stu Environmental So		
MXN501 Stocha	stic Modelling	
OR	-	
MXN600 Advand Analys	ced Statistical Data	
Please note, this unit (MXN501 or MXN600) is credited towards SV02 Bachelor of Science (Environmental Science)/ Master of Teaching (Secondary)		



Year	2022
QUT code	SV02
CRICOS	103173M
Duration (full-time)	4 years
ATAR/Selection rank	84.00
Offer Guarantee	Yes
Domestic fee (indicative)	2022: CSP \$8,000 per year full-time (108 credit points).
International fee (indicative)	2022: \$41,500 per year full-time (108 credit points)
Total credit points	432
Credit points full-time sem.	48
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Additional entry requirements

You must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

To demonstrate this you must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. Details are available from the QTAC initial teacher education webpage.

If you've achieved a 'satisfactory' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the 'satisfactory' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at 'unsatisfactory' after two test attempts for that component.

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Entry requirements

Additional entry requirements Pass the Initial Teacher

Education Course (ITE) Capabilities Criteria.

Applicants must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

You must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. In the questionnaire you will be asked to:

- · Rank a series of potentially appropriate statement responses, in order of what you think is most to least important.
- Provide two x 500 word written

statements addressing the categories and indicators as outlined on the Teacher Entry Fact Sheet.

QUT will send you details on how to complete the Initial Teacher Education Course (ITE) Capabilities Criteria questionnaire and submit your written statements after you have lodged an application.

If you've achieved a 'satisfactory' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the 'satisfactory' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at 'unsatisfactory' after two test attempts for that component.

International Assumed knowledge

 Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	7.5
Listening	8.0
Reading	7.0
Writing	7.0
Speaking	8.0

Domestic Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science (Physics) with EU50 Master of Teaching (Secondary).

International Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science (Physics) with EU50 Master of Teaching (Secondary).

Sample Structure Semesters

- Year 1, Semester 1
- Year 1 Semester 2 ٠ Year 2, Semester 1
- •
- Year 2, Semester 2 Year 2, Summer (EU50 Master of



Bachelor of Science (Physics)/Master of Teaching (Secondary)

Teaching (Secondary))

- Year 3, Semester 1
- Year 3, Semester 1
 Year 4, Semester 1
 Year 4, Semester 1
 Year 4, Semester 2

	litle
Year 1, S	emester 1
SEB113	Quantitative Methods in Science
SEB115	Experimental Science 1
SEB116	Experimental Science 2
SEB104	Grand Challenges in Science
Year 1 Se	emester 2
MXB100	Introductory Calculus and Algebra
PVB101	Physics of the Very Large
PVB102	Physics of the Very Small
	Option Unit
Year 2, S	emester 1
PVB202	Mathematical Methods in Physics
PVB203	Experimental Physics
Science C	Option Unit
Science C	Option Unit
Year 2, S	emester 2
PVB200	Computational and Mathematical Physics
PVB204	Electromagnetism
Science C	Option Unit
Science C	Option Unit
	ummer (EU50 Master of
Teaching	(Secondary))
EUN101	Supporting Innovative Pedagogy with Digital Technologies
EUN 1400	Child and Adolescent
EUN102	Development
EUN102 EUN103	
	Development
EUN103	Development Teaching EAL/D Learners Culture Studies: Indigenous
EUN103 EUN104	Development Teaching EAL/D Learners Culture Studies: Indigenous Education Physics Research
EUN103 EUN104 PVB304	Development Teaching EAL/D Learners Culture Studies: Indigenous Education Physics Research
EUN103 EUN104 PVB304 Year 3, S	Development Teaching EAL/D Learners Culture Studies: Indigenous Education Physics Research emester 1
EUN103 EUN104 PVB304 Year 3, S EUN105	Development Teaching EAL/D Learners Culture Studies: Indigenous Education Physics Research emester 1 Teaching in New Times Curriculum and Pedagogy 1:
EUN103 EUN104 PVB304 Year 3, S EUN105 EUN120	Development Teaching EAL/D Learners Culture Studies: Indigenous Education Physics Research emester 1 Teaching in New Times Curriculum and Pedagogy 1: Foundations Materials and Thermal
EUN103 EUN104 PVB304 Year 3, S EUN105 EUN120 PVB301 PVB302	Development Teaching EAL/D Learners Culture Studies: Indigenous Education Physics Research emester 1 Teaching in New Times Curriculum and Pedagogy 1: Foundations Materials and Thermal Physics Classical and Quantum
EUN103 EUN104 PVB304 Year 3, S EUN105 EUN120 PVB301 PVB302	Development Teaching EAL/D Learners Culture Studies: Indigenous Education Physics Research emester 1 Teaching in New Times Curriculum and Pedagogy 1: Foundations Materials and Thermal Physics Classical and Quantum Physics
EUN103 EUN104 PVB304 Year 3, S EUN105 EUN120 PVB301 PVB302 Year 3, S	Development Teaching EAL/D Learners Culture Studies: Indigenous Education Physics Research emester 1 Teaching in New Times Curriculum and Pedagogy 1: Foundations Materials and Thermal Physics Classical and Quantum Physics emester 2 Inclusive Teaching for Diverse
EUN103 EUN104 PVB304 Year 3, S EUN105 EUN120 PVB301 PVB302 Year 3, S EUN109	Development Teaching EAL/D Learners Culture Studies: Indigenous Education Physics Research emester 1 Teaching in New Times Curriculum and Pedagogy 1: Foundations Materials and Thermal Physics Classical and Quantum Physics emester 2 Inclusive Teaching for Diverse Learners Teachers as Leaders and

	/ lococomon	
EUN130	Professional Experience: Introduction to Professional Practice	
Designated Unit: EUN130. Contains 15 days professional experience and		
requires a	a blue card	
Year 4, S	emester 1	
EUN211	Understanding Adolescent Learners	
EUN221	Curriculum and Pedagogy 4: Senior A	
EUN222	Curriculum and Pedagogy 5: Senior B	
EUN231	Professional Experience: Informing Professional Practice	
Designated Unit: EUN231. Contains 20 days professional experience and requires a blue card		
Year 4, S	emester 2	
EUN223	Curriculum and Pedagogy 6: Learning Project	
EUN232	Professional Experience: Transition to Professional Practice	
Designated Unit: EUN232. Contains 25 days professional experience and requires a blue card. Must be taken in your final semester of study.		
EUN240	Teachers Researching Practice	
Designated Unit: EUN240. EUN240 is a Capstone unit with Conference and must be taken in your final semester of study. Completion of all units in your course is assumed knowledge. It requires a blue card.		
Select PCN113 from the Master of Teaching (Secondary) unit options. Please note, PCN113 is mandatory for students in the Physics Major.		
students PCN113	Radiation Physics	

Assessment



QUT

Year	2022
QUT code	SV02
CRICOS	103173M
Duration (full-time)	4 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Domestic fee (indicative)	2022: CSP \$8,000 per year full-time (108 credit points).
International fee (indicative)	2022: \$41,500 per year full-time (108 credit points)
Total credit points	432
Credit points full-time sem.	48
Start months	February
Int. Start Months	February
Course Coordinator	

International Entry requirements Additional entry requirements

Pass the Initial Teacher Education Course (ITE) Capabilities Criteria.

Applicants must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

You must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. In the questionnaire you will be asked to:

- Rank a series of potentially appropriate statement responses, in order of what you think is most to least important.
- Provide two x 500 word written statements addressing the categories and indicators as outlined on the <u>Teacher Entry Fact</u> <u>Sheet</u>.

QUT will send you details on how to complete the Initial Teacher Education Course (ITE) Capabilities Criteria questionnaire and submit your written statements after you have lodged an application.

Course requirements: Literacy and numeracy

You will need to successfully complete the National Literacy and Numeracy Test for Initial Teacher Education Students to graduate from the course. You are permitted three test attempts in total for each component as a student at QUT. If you fail three test attempts for each component, you will not be able to graduate. You are not eligible to apply for a place in the course if you have failed two test attempts for one or more components, at another institution. The test will assess your personal literacy and numeracy skills. QUT provides you with one reimbursement to cover the cost of the test. For more information view additional course requirements.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language
Testing System)Overall7.5

Listening	8.0
Reading	7.5
Writing	7.5
Speaking	8.0
Writing	

Domestic Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science with EU50 Master of Teaching (Secondary).

International Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science with EU50 Master of Teaching (Secondary).



QUT

Bachelor of Creative Industries/Bachelor of Information Technology

Year	2022
QUT code	ID03
CRICOS	059227E
Duration (full-time)	4 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point, Kelvin Grove
Domestic fee (indicative)	2022: CSP \$8,500 per year full-time (96 credit points)
International fee (indicative)	2022: \$34,100 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	askqut@qut.edu.au; +61 7 3138 2000
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Year 12 early offer scheme

If you're a current Queensland Year 12 student, you may be eligible to receive an offer for this course on the last day of Queensland Year 12, before receiving your ATAR or selection rank.

Find out more about the QUT Year 12 Early Offer Scheme

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Assumed knowledge

 General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English

requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure Your course

To complete this course, you must complete a total of 384 credit points comprising 192 credit points from the Bachelor of Creative Industries and 192 credit points from the Bachelor of Information Technology. You will undertake the two components of the double degree concurrently.

Creative Industries component

The core of the program centres on Creative Enterprise studios that offer authentic, problem-based activities, coupled with work integrated learning, skills in entrepreneurship and commercial links that engage in creative start-ups. Early in your degree, you choose 24 credit points of introductory units to experience your preferred majors, with the option to undertake defined breadth units in other relevant areas. Using this experience, you then decide upon a creative industries major.

You will complete:

- core units 72 credit points
- creative industries introductory units - 24 credit points
- a creative industries major 96 credit points from one of the specified majors including: Creative and Professional Writing; Media and Communication; Drama and Performance; Entertainment; Fashion Communication; Interactive and Visual Design; Music and Sound; and Screen Content Production.

Information Technology

component

You will complete:

- six core units (72 credit points: 48cp + 24cp core options)
- 10 major core units (120 credit points).

Study overseas

Study overseas while earning credit towards your QUT degree with one of our worldwide exchange partners. Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

International Course structure

Your course

To complete this course, you must complete a total of 384 credit points comprising 192 credit points from the Bachelor of Creative Industries and 192 credit points from the Bachelor of Information Technology. You will undertake the two components of the double degree concurrently.

Creative Industries component

The core of the program centres on Creative Enterprise studios that offer authentic, problem-based activities, coupled with work integrated learning, skills in entrepreneurship and commercial links that engage in creative start-ups. Early in your degree, you choose 24 credit points of introductory units to experience your preferred majors, with the option to undertake defined breadth units in other relevant areas. Using this



Bachelor of Creative Industries/Bachelor of Information Technology

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You will complete:

- core units 72 credit points
- · creative industries introductory units - 24 credit points
- a creative industries major 96 credit points from one of the specified majors including: Creative and Professional Writing; Media and Communication: Drama and Performance; Entertainment; Fashion Communication; Interactive and Visual Design; Music and Sound; and Screen Content Production.

Information Technology component

You will complete:

- six core units (72 credit points: 48cp
- + 24cp core options) 10 major core units (120 credit points).

Study overseas

Study overseas while earning credit towards your QUT degree with one of our worldwide exchange partners. Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

Sample Structure

Semesters

- Year 1, Semester 1
- Year 1, Semester 2 .
- Year 2, Semester 1
- ٠ Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2 •

Code	Title	
Year 1, S	Year 1, Semester 1	
IFB102	Introduction to Computer Systems	
IFB103	IT Systems Design	
KKB180	Creative Futures	
A unit from the Creative Industries Introductory Unit Options List		
Year 1, Semester 2		
IFB104	Building IT Systems	
IFB105	Database Management	
KKB185	Creative Enterprise Studio 1	
A unit from the Creative Industries Introductory Unit Options List		
Note: Students considering studying overseas in Year 2 Semester 2 must apply by 1 November.		
apply by	1 November.	

IT Core U	Init Option	
IT Core U	Init Option	
Creative I	Industries Major: First Unit	
Creative I	Industries Major: Second Unit	
Year 2, S	emester 2	
IT Major l	Jnit	
IT Major l	Jnit	
Creative I	Industries Major: Third Unit	
Creative I	Industries Major: Fourth Unit	
Year 3, S	emester 1	
IT Major l	Jnit	
IT Major l	Jnit	
Creative I	Industries Major: Fifth Unit	
Creative I	Industries Major: Sixth Unit	
Year 3, S	emester 2	
IT Major l	Jnit	
IT Major I	Jnit	
KKB285	Creative Enterprise Studio 2	
Creative I	Industries Major: Seventh Unit	
Year 4, S	emester 1	
IT Major I	Jnit	
IT Major l	Jnit	
Creative I	Industries Major: Eighth Unit	
A unit from the Creative Industries WIL Unit Options List:		
KKB341	Work Integrated Learning 1	
KKB380	Creative Enterprise and Entrepreneurship	
Year 4, S	emester 2	
IT Major Unit		
IT Major l		
KKB385	Creative Enterprise Studio 3	

Semesters

- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1 Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Year 5, Semester 1

Code	Title
Year 1, S	emester 2
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
KKB185	Creative Enterprise Studio 1
	m the Creative Industries ory Unit Options List
Year 2, S	emester 1
IFB104	Building IT Systems
IFB105	Database Management
KKB180	Creative Futures
	m the Creative Industries ory Unit Options List

•	apply by Teane.
Jnit	Year 2, Semester 2
STIR	IT Core Unit Option
	IT Core Unit Option
	Creative Industries Major: First Unit
it	Creative Industries Major: Second Unit
nit	Note: From 2023 IFB240 will replace IT
· · · ·	Core Unit Option. IFB240 will become
	core unit.
	Year 3, Semester 1
+	IT Major Unit
it	IT Major Unit
it.	Creative Industries Major: Third Unit
	Creative Industries Major: Fourth Unit
	Year 3, Semester 2
o 2	IT Major Unit
Unit	IT Major Unit
Unit	KKB285 Creative Enterprise Studio 2
	Creative Industries Major: Fifth Unit
	Year 4, Semester 1
nit	IT Major Unit
nit WIL	IT Major Unit
VVIL	Creative Industries Major: Sixth Unit
g 1	Creative Industries Major: Seventh Unit
, ·	Year 4, Semester 2
	IT Major Unit
	IT Major Unit
	KKB385 Creative Enterprise Studio 3
	Year 5, Semester 1
o 3	IT Major Unit
	IT Major Unit
	Creative Industries Major: Eighth Unit
	A unit from the Creative Industries WIL
	Unit Options List:

Note: Students considering studying

overseas in Year 3 Semester 1 must

apply by 1 June.

- KKB341 Work Integrated Learning 1 Creative Enterprise and
- **KKB380** Entrepreneurship

Semesters

- Semester 1 (February)
- commencements
- Year 1, Semester 1
- Year 1, Semester 2
 Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Semester 2 (July) commencements
- Year 1, Semester 2
- Year 2, Semester 1 .
- Year 2, Semester 2
- Year 3, Semester 1 .
- Year 3, Semester 2 Year 4, Semester 1 .
- Year 4, Semester 2
 - Year 5, Semester 1

the university for the real world

Bachelor of Creative Industries/Bachelor of Information Technology

Year 4, Semester 2

IFB398 Capstone Project (Phase 1)

Code	Title
Semester	1 (February) commencements
Year 1, S	emester 1
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 1, S	emester 2
IFB104	Building IT Systems
IFB105	Database Management
Year 2, S	emester 1
IT Core U	nit Option
	nit Option
Year 2, S	emester 2
CAB201	Programming Principles
CAB202	Microprocessors and Digital Systems
Year 3, S	emester 1
CAB203	Discrete Structures
CAB302	Software Development
Year 3, S	emester 2
CAB303	Networks
IFB295	IT Project Management
Year 4, S	
CAB301	Algorithms and Complexity
IFB398	Capstone Project (Phase 1)
Year 4, S	
IFB399	Capstone Project (Phase 2)
Select on	
CAB401	High Performance and Parallel Computing
CAB402	Programming Paradigms
CAB403	Systems Programming
CAB420	Machine Learning
	2 (July) commencements
Year 1, S	
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 2, S	
IFB104	Building IT Systems
IFB105	Database Management
Year 2, S	
CAB201	Programming Principles
	nit Option
Year 3, S	Microprocessors and Digital
CAB202	Systems
CAB301	Algorithms and Complexity
Year 3, S	
CAB303	Networks
IFB295	IT Project Management
Year 4, S	
CAB203	Discrete Structures
CAB302	Software Development

	Capsione Project (Phase T)
Select ON	NE of:
CAB401	High Performance and Parallel Computing
CAB403	Systems Programming
OR IT Co	re Unit Option
Year 5, S	emester 1
IFB399	Capstone Project (Phase 2)
Select ON	
	Programming Paradigms
	Machine Learning
	re Unit Option
	Core Unit Option here, if not previously.)
Semeste	rs
	ester 1 (February)
	mencements
	r 1, Semester 1
• <u>Yea</u>	r <u>1, Semester 2</u> r <u>2, Semester 1</u>
• <u>Yea</u>	r 2, Semester 2
Yea	r 3, Semester 1
• <u>Yea</u>	r <u>3, Semester 2</u> r 4, Semester <u>1</u>
	<u>r 4, Semester 1</u>
	lester 2 (July) commencements
• <u>Yea</u>	r 1, Semester 2
• <u>Yea</u>	r 2, Semester 1
• <u>Yea</u>	<u>r 2, Semester 2</u> r <u>3, Semester 1</u>
Year	r 3, Semester 2
 Year 	r 4, Semester 1
 Year Year 	<u>r 4, Semester 1</u> r <u>4, Semester 2</u>
 Year Year 	r 4, Semester 1
 Year Year 	<u>r 4, Semester 1</u> r <u>4, Semester 2</u>
• <u>Year</u> • <u>Year</u> • <u>Year</u> Code	r <u>4, Semester 1</u> r <u>4, Semester 2</u> r <u>5, Semester 1</u>
• <u>Year</u> • <u>Year</u> • <u>Year</u> Code	r 4, Semester 1 r 4, Semester 2 r 5, Semester 1 Title r 1 (February) commencements
• <u>Year</u> • <u>Year</u> • <u>Year</u> Code Semester	r 4, Semester 1 r 4, Semester 2 r 5, Semester 1 Title r 1 (February) commencements
• <u>Year</u> • <u>Year</u> • <u>Year</u> Code Semester Year 1, S	r 4, Semester 1 r 4, Semester 2 r 5, Semester 1 Title r 1 (February) commencements emester 1 Introduction to Computer
• Year • Year • Year Code Semester Year 1, S IFB102 IFB103	r 4, Semester 1 r 4, Semester 2 r 5, Semester 1 Title r 1 (February) commencements emester 1 Introduction to Computer Systems IT Systems Design
• <u>Year</u> • <u>Year</u> • <u>Year</u> Code Semester Year 1, S IFB102 IFB103 Year 1, S	r 4, Semester 1 r 4, Semester 2 r 5, Semester 1 Title r 1 (February) commencements emester 1 Introduction to Computer Systems IT Systems Design emester 2
• <u>Year</u> • <u>Year</u> • <u>Year</u> Code Semester Year 1, S IFB102 IFB103 Year 1, S IFB104	r 4, Semester 1 r 4, Semester 2 r 5, Semester 1 Title r 1 (February) commencements emester 1 Introduction to Computer Systems IT Systems Design emester 2 Building IT Systems
• Year • Year • Year Semester Year 1, S IFB102 IFB103 Year 1, S IFB104 IFB105	r 4, Semester 1 r 4, Semester 2 r 5, Semester 1 Title r 1 (February) commencements emester 1 Introduction to Computer Systems IT Systems Design emester 2 Building IT Systems Database Management
• Year • Year • Year Semester Year 1, S IFB102 IFB103 Year 1, S IFB104 IFB105 Year 2, S	r 4, Semester 1 r 4, Semester 2 r 5, Semester 1 Title r 1 (February) commencements emester 1 Introduction to Computer Systems IT Systems Design emester 2 Building IT Systems Database Management emester 1
• Year • Year • Year Semester Year 1, S IFB102 IFB103 Year 1, S IFB104 IFB105 Year 2, S IT Core U	r 4, Semester 1 r 4, Semester 2 r 5, Semester 1 Title r 1 (February) commencements emester 1 Introduction to Computer Systems IT Systems Design emester 2 Building IT Systems Database Management emester 1 Introduction
• Year • Year • Year Semester Year 1, S IFB102 IFB103 Year 1, S IFB104 IFB105 Year 2, S IT Core U IT Core U	r 4, Semester 1 r 4, Semester 2 r 5, Semester 1 Title r 1 (February) commencements emester 1 Introduction to Computer Systems IT Systems Design emester 2 Building IT Systems Database Management emester 1 Inti Option Init Option
• Year • Year • Year Semester Year 1, S IFB102 IFB103 Year 1, S IFB104 IFB105 Year 2, S IT Core U IT Core U	r 4, Semester 1 r 4, Semester 2 r 5, Semester 1 Title r 1 (February) commencements emester 1 Introduction to Computer Systems IT Systems Design emester 2 Building IT Systems Database Management emester 1 Init Option Init Option emester 2
• Year • Year • Year Semester Year 1, S IFB102 IFB103 Year 1, S IFB104 IFB105 Year 2, S IT Core U IT Core U	r 4, Semester 1 r 4, Semester 2 r 5, Semester 1 Title r 1 (February) commencements emester 1 Introduction to Computer Systems IT Systems Design emester 2 Building IT Systems Database Management emester 1 Init Option Init Option emester 2 Modelling Techniques for
• Year • Year • Year Code Semester Year 1, S IFB102 IFB103 Year 1, S IFB104 IFB105 Year 2, S IT Core U IT Core U Year 2, S	r 4, Semester 1 r 4, Semester 2 r 5, Semester 1 Title r 1 (February) commencements emester 1 Introduction to Computer Systems IT Systems Design emester 2 Building IT Systems Database Management emester 1 Init Option Init Option Init Option emester 2 Modelling Techniques for Information Systems
• Year • Year • Year Code Semester Year 1, S IFB102 IFB103 Year 1, S IFB104 IFB105 Year 2, S IT Core U IT Core U Year 2, S	r 4, Semester 1 r 4, Semester 2 r 5, Semester 1 Title r 1 (February) commencements emester 1 Introduction to Computer Systems IT Systems Design emester 2 Building IT Systems Database Management emester 1 Init Option Init Option Init Option emester 2 Modelling Techniques for Information Systems Rapid Web Application
• Year • Year • Year Semester Year 1, S IFB102 IFB103 Year 1, S IFB104 IFB105 Year 2, S IT Core U Year 2, S IAB201 IAB207	r 4, Semester 1 r 4, Semester 2 r 5, Semester 1 Title r 1 (February) commencements emester 1 Introduction to Computer Systems IT Systems Design emester 2 Building IT Systems Database Management emester 1 Init Option Init Option emester 2 Modelling Techniques for Information Systems Rapid Web Application Development
• Year • Year • Year Semester Year 1, S IFB102 IFB103 Year 1, S IFB104 IFB105 Year 2, S IT Core U Year 2, S IAB201 IAB207	r 4, Semester 1 r 4, Semester 2 r 5, Semester 1 Title r 1 (February) commencements emester 1 Introduction to Computer Systems IT Systems Design emester 2 Building IT Systems Database Management emester 1 Init Option Init Option emester 2 Modelling Techniques for Information Systems Rapid Web Application Development emester 1
• Year • Year • Year Semester Year 1, S IFB102 IFB103 Year 1, S IFB104 IFB105 Year 2, S IT Core U Year 2, S IAB201 IAB207	r 4, Semester 1 r 4, Semester 2 r 5, Semester 1 Title r 1 (February) commencements emester 1 Introduction to Computer Systems IT Systems Design emester 2 Building IT Systems Database Management emester 1 Init Option Init Option emester 2 Modelling Techniques for Information Systems Rapid Web Application Development
 Year Year<td>r 4, Semester 1 r 4, Semester 2 r 5, Semester 1 Title r 1 (February) commencements emester 1 Introduction to Computer Systems IT Systems Design emester 2 Building IT Systems Database Management emester 1 Init Option Init Option emester 2 Modelling Techniques for Information Systems Rapid Web Application Development emester 1</td>	r 4, Semester 1 r 4, Semester 2 r 5, Semester 1 Title r 1 (February) commencements emester 1 Introduction to Computer Systems IT Systems Design emester 2 Building IT Systems Database Management emester 1 Init Option Init Option emester 2 Modelling Techniques for Information Systems Rapid Web Application Development emester 1
 Year Year 1, S IFB102 IFB103 Year 1, S IFB104 IFB105 Year 2, S IT Core U Year 2, S IAB201 IAB207 Year 3, S IAB203 IAB204 	r 4, Semester 1 r 4, Semester 2 r 5, Semester 1 Title r 1 (February) commencements emester 1 Introduction to Computer Systems IT Systems Design emester 2 Building IT Systems Database Management emester 1 Init Option Init Option Init Option emester 2 Modelling Techniques for Information Systems Rapid Web Application Development emester 1 Business Process Modelling Business Requirements
 Year Year 1, S IFB102 IFB103 Year 1, S IFB104 IFB105 Year 2, S IT Core U Year 2, S IAB201 IAB207 Year 3, S IAB203 IAB204 	r 4, Semester 1 r 4, Semester 2 r 5, Semester 1 Title r 1 (February) commencements emester 1 Introduction to Computer Systems IT Systems Design emester 2 Building IT Systems Database Management emester 1 Init Option Init Option Init Option emester 2 Modelling Techniques for Information Systems Rapid Web Application Development emester 1 Business Process Modelling Business Requirements Analysis

	Management
IFB295	IT Project Management
Year 4, S	Semester 1
IFB398	Capstone Project (Phase 1)
Select or	ne of:
IAB206	Modern Data Management
IAB260	Social Technologies
IAB303	Data Analytics for Business
	Insight
IAB320	Business Process Improvement
	Information Systems
IAB402	Consulting
Year 4, S	Semester 2
IAB401	Enterprise Architecture
IFB399	Capstone Project (Phase 2)
Semeste	r 2 (July) commencements
Year 1, S	Semester 2
IFB102	Introduction to Computer
IF D I UZ	Systems
IFB103	IT Systems Design
	Semester 1
IFB104	Building IT Systems
IFB105	Database Management
Year 2, S	Semester 2
IAB201	Modelling Techniques for
	Information Systems
	Jnit Option
rear 3, S	Semester 1
IAB204	Business Requirements Analysis
	Rapid Web Application
IAB207	Development
Year 3, S	Semester 2
IAB305	Information Systems Lifecycle
	Management
	Jnit Option
	Semester 1
IAB203	Business Process Modelling
IFB295	IT Project Management
	Semester 2
IAB401	Enterprise Architecture
IFB398	Capstone Project (Phase 1)
	Semester 1
IFB399 Select O	Capstone Project (Phase 2)
IAB206	Modern Data Management
IAB260	Social Technologies
IAB303	Data Analytics for Business Insight
IAP220	Business Process
IAB320	Improvement
IAB402	Information Systems
	Consulting



Bachelor of Communication (Digital Media)/Bachelor of Information Technology

Year	2022
QUT code	ID10
CRICOS	096583M
Duration (full-time)	4 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point, Kelvin Grove
Domestic fee (indicative)	2022: CSP \$11,400 per year full-time (96 credit points)
International fee (indicative)	2022: \$33,000 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Program Director, School of Communication; Dr Wayne Kelly (Information Technology); AskQUT askqut@qut.edu.au; +61 7 3138 2000;
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Year 12 early offer scheme

If you're a current Queensland Year 12 student, you may be eligible to receive an offer for this course on the last day of Queensland Year 12, before receiving your ATAR or selection rank.

Find out more about the QUT Year 12 Early Offer Scheme

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Entry requirements Prerequisites

Satisfactory completion of Year 12 in an Australian school system or equivalent.

International Assumed knowledge

 General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English

requirements

Students must meet the English proficiency requirements.

IELTS (International Testing System)	English Language
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

In order to complete this course, you must complete a total of 384 credit points, made up of 192 credit points from the Bachelor of Communication (Digital Media) and 192 credit points from the Bachelor of Information Technology. You will undertake the two components of the double degree concurrently.

Communication component

You will complete:

- four core units (48 credit points)
- a communication major (144 credit points) in digital media.

Information technology component

You will complete:

- six core units (72 credit points)
 - ten major core units (120 credit points) from either the information systems or computer science major.

Study overseas

Study overseas while earning credit towards your QUT degree with one of our worldwide exchange partners. Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

International Course structure

order to com

In order to complete this course, you must complete a total of 384 credit points, made up of 192 credit points from the Bachelor of Communication (Digital Media) and 192 credit points from the Bachelor of Information Technology. You will undertake the two components of the double degree concurrently.

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You will complete:

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You will complete:

- six core units (72 credit points)
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Study overseas

Study overseas while earning credit towards your QUT degree with one of our worldwide exchange partners. Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

Sample Structure Semesters

<u>Semester 1 (February)</u>
 <u>commencements</u>



Bachelor of Communication (Digital Media)/Bachelor of Information Technology

IT Major Unit

•	Year 1, Semester 1
•	Year 1, Semester 2
•	Year 2, Semester 1
•	Year 2, Semester 2
•	Year 3, Semester 1
•	Year 3, Semester 2
•	Year 4, Semester 1
•	Year 4, Semester 2

- Semester 2 (July) commencements ٠
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
 Year 3, Semester 1
- Year 3, Semester 2 Year 4, Semester 1 •
- ٠
- Year 4, Semester 2 Year 5, Semester 1 ٠
- •

Coue	The
Semester	1 (February) commencements
Year 1, S	emester 1
CYB101	Introduction to Communication
CYB102	Introduction to Media and Entertainment Industries
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 1, S	emester 2
CYB103	Communication Theory and Practice
CYB104	Managing Social Media
IFB104	Building IT Systems
IFB105	Database Management
overseas	dents considering studying in Year 2 Semester 2 must 1 November.
Year 2, S	emester 1
CCB101	Media Issues and Debates
CYB105	Understanding Audiences
IFB240	Cyber Security
IT Core C	Option Unit
	m 2023 IFB240 will replace IT Option. IFB240 will become
Year 2, S	emester 2
CCB102	Multi-Media Design
CYB106	Global Media and Entertainment Industries
IT Major l	Jnit
IT Major l	Jnit
Year 3, S	emester 1
CCB200	Digital Platforms
CCB202	Social Media, Self and Society
IT Major l	Jnit
IT Major l	Jnit
Year 3, S	emester 2
CCB201	Australian Media
CCB204	Communication Planning and Practice

IT Major	Unit
Year 4, S	emester 1
CCB301	Communication Research Methods
	from the Work Integrated
Learning KKB350)	Unit Options List (KKB341 or
KKB341	Work Integrated Learning 1
KKB350	Creative Industries Study Tour
IT Major	Unit
IT Major	Unit
Year 4, S	emester 2
CCB302	Digital Media Analytics
CCB303	Digital Media Project
IT Major	Unit
IT Major	
	r 2 (July) commencements
Year 1, S	emester 2
CYB103	Communication Theory and Practice
CYB104	Managing Social Media
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 2, S	emester 1
CYB101	Introduction to
OTBIOT	Communication
CYB102	Introduction to Media and Entertainment Industries
IFB104	Building IT Systems
IFB105	Database Management
	dents considering studying
overseas apply by	in Year 3 Semester 1 must
	emester 2
CCB102	Multi-Media Design
	Global Media and
CYB106	Entertainment Industries
IFB240	Cyber Security
IT Core L	
	m 2023 IFB240 will replace IT t Option. IFB240 will become
core unit.	-
Year 3, S	emester 1
CCB101	Media Issues and Debates
CYB105	Understanding Audiences
IT Major	
IT Major	
Year 3, S	emester 2
CCB201	Australian Media
CCB204	Communication Planning and Practice
IT Major	Unit
IT Major	Unit

Digital Platforms
Social Media, Self and Society
Jnit
Jnit
emester 2
Digital Media Analytics
Digital Media Project
Jnit
Jnit
emester 1
Communication Descareb
Communication Research Methods
Methods rom the Work Integrated
Methods rom the Work Integrated Jnit Options List (KKB341 or
Methods rom the Work Integrated Jnit Options List (KKB341 or Work Integrated Learning 1

emesters

• Sem	ester 1 (February)	
	mencements	
Year	1, Semester 1	
 Year 	1, Semester 2	
 Year 	<u>2, Semester 1</u>	
	2, Semester 2	
	3, Semester 1	
Year	3, Semester 2	
 Year 	4, Semester 1	
 Year 	4, Semester 2	
	ester 2 (July) commencements	
 Year 	1, Semester 2	
 Year 	2, Semester 1	
 Year 	2, Semester 2	
 Year 	<u>3, Semester 1</u>	
 Year 	3, Semester 2	
 Year 	<u>4, Semester 1</u>	
 Year 	<u>4, Semester 2</u>	
 Year 	<u>5, Semester 1</u>	
Code	Title	
Semester 1 (February) commencements		
Year 1, Semester 1		
	Introduction to Computer	

Semester 1 (February) commencements		
Year 1, Semester 1		
IFB102	Introduction to Computer Systems	
IFB103	IT Systems Design	
Year 1, Semester 2		
IFB104	Building IT Systems	
IFB105	Database Management	
Year 2, Semester 1		
IT Core Unit Option		
IT Core Unit Option		
Year 2, Semester 2		
CAB201	Programming Principles	
CAB202	Microprocessors and Digital Systems	
Year 3, Semester 1		
CAB203	Discrete Structures	
CAB302	Software Development	



Year 4, Semester 1

Bachelor of Communication (Digital Media)/Bachelor of Information Technology

Veer 2 C	omostor 0
	emester 2
CAB303	Networks
IFB295	IT Project Management
	emester 1
CAB301	Algorithms and Complexity
IFB398	Capstone Project (Phase 1)
	emester 2
IFB399	Capstone Project (Phase 2)
Select on	e of:
CAB401	High Performance and Parallel Computing
CAB402	Programming Paradigms
CAB403	Systems Programming
CAB420	Machine Learning
Semester	2 (July) commencements
Year 1, S	emester 2
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 2, S	
IFB104	Building IT Systems
IFB105	Database Management
Year 2, S	emester 2
CAB201	Programming Principles
IT Core L	Init Option
	emester 1
CAB202	Microprocessors and Digital Systems
CAB301	Algorithms and Complexity
	emester 2
CAB303	Networks
IFB295	IT Project Management
	emester 1
	Discrete Structures
CAB302	Software Development
	emester 2
IFB398	Capstone Project (Phase 1)
Select Of	
CAB401	High Performance and Parallel Computing
CAB403	Systems Programming
OR IT Co	re Unit Option
Year 5, S	emester 1
IFB399	Capstone Project (Phase 2)
Select Of	NE of:
CAB402	Programming Paradigms
CAB420	Machine Learning
OR IT Co	re Unit Option
(Select IT	Core Unit Option here, if not
(Select IT	-

Semesters

- Semester 1 (February)
- <u>commencements</u>
 <u>Year 1, Semester 1</u>
- Year 1, Semester 2

 Yeal 	2. Semester 1 2. Semester 2 3. Semester 1 3. Semester 2 4. Semester 2 ester 2 (July) commencements 1. Semester 2 2. Semester 1 2. Semester 1 3. Semester 1 3. Semester 1 3. Semester 1 4. Semester 1 4. Semester 1 5. Semester 1 4. Semester 1 5. Sem
Code	
	1 (February) commencements
Year 1, S	
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 1, S	
IFB104	Building IT Systems
IFB105	Database Management
Year 2, S	-
	nit Option
	nit Option
	emester 2
Tear 2, 3	Modelling Techniques for
IAB201	Information Systems
IAB207	Rapid Web Application Development
Year 3, S	emester 1
IAB203	Business Process Modelling
IAB204	Business Requirements Analysis
Year 3, S	emester 2
IAB305	Information Systems Lifecycle Management
IFB295	IT Project Management
Year 4, S	
IFB398	Capstone Project (Phase 1)
Select on	e of:
IAB206	Modern Data Management
IAB260	Social Technologies
IAB303	Data Analytics for Business Insight
IAB320	Business Process Improvement
IAB402	Information Systems Consulting
Year 4, S	emester 2
IAB401	Enterprise Architecture
IFB399	Capstone Project (Phase 2)
Semester	2 (July) commencements
Year 1, S	emester 2
IFB102	Introduction to Computer Systems

IFB103	IT Systems Design
Year 2, S	Semester 1
IFB104	Building IT Systems
IFB105	Database Management
Year 2, S	Semester 2
IAB201	Modelling Techniques for Information Systems
IT Core l	Jnit Option
Year 3, S	Semester 1
IAB204	Business Requirements Analysis
IAB207	Rapid Web Application Development
Year 3, S	Semester 2
IAB305	Information Systems Lifecycle Management
IT Core U	Jnit Option
Year 4, S	Semester 1
Year 4, S IAB203	Semester 1 Business Process Modelling
IAB203 IFB295	Business Process Modelling
IAB203 IFB295	Business Process Modelling IT Project Management
IAB203 IFB295 Year 4, S	Business Process Modelling IT Project Management Semester 2
IAB203 IFB295 Year 4, S IAB401 IFB398	Business Process Modelling IT Project Management Gemester 2 Enterprise Architecture
IAB203 IFB295 Year 4, S IAB401 IFB398	Business Process Modelling IT Project Management Semester 2 Enterprise Architecture Capstone Project (Phase 1)
IAB203 IFB295 Year 4, S IAB401 IFB398 Year 5, S	Business Process ModellingIT Project ManagementGemester 2Enterprise ArchitectureCapstone Project (Phase 1)Gemester 1Capstone Project (Phase 2)
IAB203 IFB295 Year 4, S IAB401 IFB398 Year 5, S IFB399	Business Process ModellingIT Project ManagementGemester 2Enterprise ArchitectureCapstone Project (Phase 1)Gemester 1Capstone Project (Phase 2)
IAB203 IFB295 Year 4, S IAB401 IFB398 Year 5, S IFB399 Select O	Business Process Modelling IT Project Management Semester 2 Enterprise Architecture Capstone Project (Phase 1) Semester 1 Capstone Project (Phase 2) NE of:
IAB203 IFB295 Year 4, S IAB401 IFB398 Year 5, S IFB399 Select O IAB206	Business Process Modelling IT Project Management Gemester 2 Enterprise Architecture Capstone Project (Phase 1) Gemester 1 Capstone Project (Phase 2) NE of: Modern Data Management
IAB203 IFB295 Year 4, S IAB401 IFB398 Year 5, S IFB399 Select O IAB206 IAB260	Business Process Modelling IT Project Management Semester 2 Enterprise Architecture Capstone Project (Phase 1) Semester 1 Capstone Project (Phase 2) NE of: Modern Data Management Social Technologies Data Analytics for Business



Year	2022
QUT code	ID11
CRICOS	096584K
Duration (full-time)	4 years
ATAR/Selection rank	79.00
Offer Guarantee	Yes
Campus	Gardens Point, Kelvin Grove
Domestic fee (indicative)	2022: CSP \$11,900 per year full-time (96 credit points)
International fee (indicative)	2022: \$34,300 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	AskQUT askqut@qut.edu.au; +61 7 3138 2000;
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- · Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Assumed knowledge

 Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Domestic Course structure

In order to complete this course, you must complete a total of 384 credit points, made up of 192 credit points from the Bachelor of Communication (Journalism) and 192 credit points from the Bachelor of Science. You will undertake the two components of the double degree concurrently.

Communication component

You will complete:

- four core units (48 credit points) · a communication major (144 credit
- points) in journalism.

Science component

You will complete five core units (60 credit points) and a science major (132 credit points) in one of the following study areas:

- biological sciences
- chemistry
- earth science
- · environmental science
- physics

Study overseas

Study overseas while earning credit towards your QUT degree with one of our worldwide exchange partners. Overseas study can be for one or two semesters (or

during the semester break) and the units vou take can be in either degree area. depending on how they match with your QUT course.

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In order to complete this course, you must complete a total of 384 credit points, made up of 192 credit points from the Bachelor of Communication (Journalism) and 192 credit points from the Bachelor of Science. You will undertake the two components of the double degree concurrently.

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You will complete:

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- · a communication major (144 credit points) in journalism.

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- · earth science
- · environmental science
- physics

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Sample Structure

Semesters

- Semester 1 (February) commencements
 - Year 1, Semester 1
- Year 1, Semester 2 •
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1 •
- Year 3, Semester 2 Year 4, Semester 1 •
- Year 4, Semester 2
- ٠ Semester 2 (July) commencements
- Year 1, Semester 2
- Year 2, Semester 1 •
- Year 2, Semester 2
- ٠ Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1 .
- Year 4, Semester 2 Year 5, Semester 1 .
- the university for the real world

Baomor	
	Title
Semester	1 (February) commencements
Year 1, S	emester 1
CJB101	Newswriting
CYB101	Introduction to Communication
Science l	Jnit
Science L	
	emester 2
	Communication Theory and
CYB103	Practice
	Journalism Law
Science L	
Science L	
	dents considering studying
	in Year 2 Semester 2 must 1 November.
Year 2, S	
CJB102	Visual Journalism
CYB102	Introduction to Media and Entertainment Industries
Science L	Jnit
Science L	Jnit
Year 2, S	emester 2
CJB103	Journalistic Inquiry
CYB104	Managing Social Media
Science L	Jnit
Science L	Jnit
Year 3, S	emester 1
	Feature Writing
	Production Journalism
Science l	Jnit
Science l	Jnit
Year 3, S	emester 2
	Newsroom
Science L	
Science L	
Year 4, S	
	Newsdesk
Science L	
Science L	
	emester 2 Journalism Ethics and Issues
	International Newsdesk
Science L	Jnit
Science L	Jnit
Semester	2 (July) commencements
Year 1, S	emester 2
CYB103	Communication Theory and Practice
CYB104	Managing Social Media
Science L	
Science L	Jnit
	emester 1
, 0	

CJB101	Newswriting	
CYB101	Introduction to Communication	
Science Unit		
Science Unit		
Note: Stu	dents considering studying	
	in Year 3 Semester 1 must	
apply by ?		
	emester 2	
	Journalistic Inquiry	
LWS011	Journalism Law	
Science L		
Science L		
Year 3, S		
CJB102	Visual Journalism	
CYB102	Introduction to Media and Entertainment Industries	
Science L	Jnit	
Science L	Jnit	
Year 3, S	emester 2	
CJB203	Newsroom	
Science L	Jnit	
Science L	Jnit	
Year 4, S	emester 1	
CJB201	Feature Writing	
CJB202	Production Journalism	
Science L	Jnit	
Science L	Jnit	
Year 4, S	emester 2	
CJB204	Journalism Ethics and Issues	
CJB301	International Newsdesk	
Science L	Jnit	
Science L	Jnit	
Year 5, S		
CJB302	Newsdesk	
Science L	Jnit	
Science L	Jnit	
Semeste		
• <u>Sem</u>	<u>iester 1 (February)</u>	

Э	е	m	es	sτe	rs
			~		

commencements
Year 1 Semester 1
Year 1 Semester 2
V 00 1 1

- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Semester 2 (July) commencements
- Year 1, Semester 2
- Year 2, Semester 1
 Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
 Year 4, Semester 2
- Year 5, Semester 1

Code	Title
Semeste	r 1 (February) commencements
Year 1 S	emester 1
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in
	Science
	emester 2
	Core Unit Option
	Major Unit Option
	emester 1
	Experimental Science 1
SEB116	Experimental Science 2
	emester 2
BVB101	Foundations of Biology
BVB102	Evolution
Year 3 S	emester 1
BVB202	Experimental Design and Quantitative Methods
BVB301	Animal Biology
Year 3 S	emester 2
BVB201	Biological Processes
BVB204	Ecology
Year 4 S	emester 1
BVB203	Plant Biology
BVB305	Microbiology and the Environment
Year 4 S	emester 2
BVB304	Integrative Biology
BVB313	Population Genetics and Molecular Ecology
Semeste	r 2 (July) commencements
Year 1, S	Semester 2
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 2, S	Semester 1
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, 5	Gemester 2
BVB101	Foundations of Biology
BVB102	Evolution
Year 3, S	Semester 1
BVB202	Experimental Design and Quantitative Methods
BVB301	Animal Biology
Year 3, 5	Gemester 2
BVB201	Biological Processes
BVB204	Ecology
Year 4, 5	Gemester 1
BVB203	Plant Biology
BVB305	Microbiology and the Environment
Year 4, 5	Gemester 2
BVB304	Integrative Biology



BVB313	Population Genetics and Molecular Ecology

Year 5, Semester 1
Science Core Unit Option
Science Major Unit Option

Semesters

- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2 •
- Year 3 Semester 1 Year 3 Semester 2 •
- Year 4 Semester 1 ٠
- Year 4 Semester 2 •

Code	Title
Year 1 Se	emester 1
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1 Se	emester 2
MXB100	Introductory Calculus and Algebra
Science 0	Core Unit Option
Year 2 Se	emester 1
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2 Se	emester 2
CVB101	General Chemistry
CVB102	Chemical Structure and Reactivity
Year 3 Se	emester 1
CVB201	Inorganic Chemistry
CVB202	Analytical Chemistry
Year 3 Se	emester 2
CVB203	Physical Chemistry
CVB204	Organic Structure and Mechanisms
Year 4 Se	emester 1
CVB301	Organic Chemistry: Strategies for Synthesis
CVB302	Applied Physical Chemistry
Year 4 Se	emester 2
CVB303	Coordination Chemistry
CVB304	Chemistry Research Project
	-

Semesters

- <u>Semester 1 (February)</u>
- **commencements** .
- Year 1 Semester 1 Year 1 Semester 2 ٠
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1 •
- Year 3 Semester 2 •
- Year 4 Semester 1
- Year 4 Semester 2 ٠

- Semester 2 (July) commencements
- Year 1, Semester 2 • .
- Year 2, Semester 1 .
- Year 2, Semester 2 Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2 Year 5, Semester 1
- ٠

Code	Title
Semester	1 (February) commencements
Year 1 Se	emester 1
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1 Se	emester 2
	Core Unit Option
Science M	Major Unit Option
Year 2 Se	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2 Se	emester 2
ERB101	Earth Systems
ERB102	Evolving Earth
Year 3 Se	emester 1
ERB201	Destructive Earth: Natural Hazards
ERB202	Marine and Atmospheric Systems
Year 3 Se	emester 2
ERB203	Sedimentary Geology and Stratigraphy
ERB204	Deforming Earth: Fundamentals of Structural Geology
Year 4 Se	emester 1
ERB301	Chemical Earth
ERB302	Applied Geophysics
Year 4 Se	emester 2
ERB303	Energy Resources and Basin Analysis
ERB304	Dynamic Earth: Plate Tectonics
Semester	2 (July) commencements
	emester 2
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 2, S	emester 1
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, <u>S</u>	emester 2
ERB101	Earth Systems
ERB102	Evolving Earth
Year 3, S	emester 1
ERB201	Destructive Earth: Natural Hazards

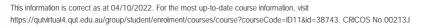
Marine and Atmospheric **ERB202** Systems Year 3, Semester 2 Sedimentary Geology and **ERB203** Stratigraphy Deforming Earth: **ERB204** Fundamentals of Structural Geology Year 4, Semester 1 ERB301 Chemical Earth ERB302 Applied Geophysics Year 4, Semester 2 Energy Resources and Basin ERB303 Analysis Dynamic Earth: Plate **ERB304** Tectonics Year 5, Semester 1 Science Core Unit Option Science Major Unit Option

Semesters

- Semester 1 (February) commencements
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Semester 2 (July) commencements
- Year 1, Semester 2
- Year 2, Semester 1 •
- Year 2, Semester 2
- Year 3, Semester 1 Year 3, Semester 2 .
- Year 4, Semester 1
- Year 4, Semester 2 .
- Year 5, Semester 1

Code	Title	
Semester	1 (February) commencements	
Year 1 Se	emester 1	
SEB104	Grand Challenges in Science	
SEB113	Quantitative Methods in Science	
Year 1 Se	emester 2	
Science Core Unit Option		
Science M	Aajor Unit Option	
Year 2 Se	emester 1	
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
Year 2 Semester 2		
ERB101	Earth Systems	
EVB102	Ecosystems and the Environment	
Year 3 Se	emester 1	
BVB202	Experimental Design and Quantitative Methods	
EVB203	Geospatial Information	
	niversity eal world	

for the real world



	Science	
Year 3 Se	emester 2	
BVB204	Ecology	
EVB302	Environmental Pollution	
Year 4 Se	emester 1	
BVB311	Conservation Biology	
EVB312	Soils and the Environment	
Year 4 Se	emester 2	
ERB310	Groundwater Systems	
EVB304	Case Studies in Environmental Science	
Semester	2 (July) commencements	
Year 1, S	emester 2	
SEB104	Grand Challenges in Science	
SEB113	Quantitative Methods in Science	
Year 2, S	emester 1	
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
Year 2, S	emester 2	
ERB101	Earth Systems	
EVB102	Ecosystems and the Environment	
Year 3, S	emester 1	
BVB202	Experimental Design and Quantitative Methods	
EVB203	Geospatial Information Science	
Year 3, S	emester 2	
BVB204	Ecology	
EVB302	Environmental Pollution	
Year 4, S	emester 1	
BVB311	Conservation Biology	
EVB312	Soils and the Environment	
Year 4, S	emester 2	
ERB310	Groundwater Systems	
EVB304	Case Studies in Environmental Science	
Year 5, S	emester 1	
Science Core Unit Option		
Science Major Unit Option		

Semesters

- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
 Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
 Year 4 Semester 2

Code Title Year 1 Semester 1 SEB104 Grand Challenges in Science

This information is correct as at 04/10/2022. For the most up-to-date course information, visit . https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?courseCode=ID11&id=38743. CRICOS No.00213J

SEB113	Quantitative Methods in Science	
Year 1 Se	emester 2	
MXB100	Introductory Calculus and Algebra	
Science C	Core Unit Option	
Year 2 Se	emester 1	
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
Year 2 Semester 2		
PVB101	Physics of the Very Large	
PVB102	Physics of the Very Small	
Year 3 Se	emester 1	
PVB202	Mathematical Methods in Physics	
PVB203	Experimental Physics	
Year 3 Semester 2		
PVB200	Computational and Mathematical Physics	
PVB204	Electromagnetism	
Year 4 Se	emester 1	
PVB301	Materials and Thermal Physics	
PVB302	Classical and Quantum Physics	
Year 4 Se	emester 2	
PVB303	Nuclear and Particle Physics	
PVB304	Physics Research	



Year	2022
QUT code	ID11
CRICOS	096584K
Duration (full-time)	4 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point, Kelvin Grove
Domestic fee (indicative)	2022: CSP \$11,900 per year full-time (96 credit points)
International fee (indicative)	2022: \$34,300 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	AskQUT askqut@qut.edu.au; +61 7 3138 2000;
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Year 12 early offer scheme

If you're a current Queensland Year 12 student, you may be eligible to receive an offer for this course on the last day of Queensland Year 12, before receiving your ATAR or selection rank.

Find out more about the QUT Year 12 Early Offer Scheme

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Assumed knowledge

 Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English

requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

In order to complete this course, you must complete a total of 384 credit points, made up of 192 credit points from the Bachelor of Communication (Professional Communication) and 192 credit points from the Bachelor of Science. You will undertake the two components of the double degree concurrently.

Communication component

You will complete:

- four core units (48 credit points)
- a communication major (144 credit points) in professional communication.

Science component

You will complete five core units (60 credit points) and a science major (132

credit points) in one of the following study areas:

- biological sciences
- chemistry
- earth science
- environmental science
- physics

Study overseas

Study overseas while earning credit towards your QUT degree with one of our worldwide exchange partners. Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

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- physics

Study overseas

Study overseas while earning credit towards your QUT degree with one of our worldwide exchange partners. Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

Sample Structure Semesters

- Semester 1 (February)
- commencements
- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1



Bachelor of Communication (Professional Communication)/Bachelor of Science

- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
 Year 4, Semester 1
 Year 4, Semester 2

- Semester 2 (July) commencements
- Year 1, Semester 2
- Year 2, Semester 1 Year 2, Semester 2 •
- ٠ ٠
- Year 3, Semester 1 ٠
- Year 3, Semester 2 ٠
- Year 4, semester 1 •
- Year 4, Semester 2 Year 5, Semester 1 ٠

Code	Title		
Semester	1 (February) commencements		
Year 1, Semester 1			
CYB101	Introduction to Communication		
CYB102	Introduction to Media and Entertainment Industries		
Science L	Jnit		
Science L			
	emester 2		
	Communication Theory and		
CYB103	Practice		
CYB104	Managing Social Media		
Science L	Jnit		
Science L	Jnit		
Note: Students considering studying overseas in Year 2 Semester 2 must apply by 1 November.			
	emester 1		
	Communication and		
CWB10 1	Composition: Introduction to Academic Writing		
CWB10 2	Influence and Persuasion		
Science L	Jnit		
Science L	Jnit		
Year 2, S	emester 2		
	Multi-Media Design		
CWB10	Interpersonal and Intercultural		
3	Negotiation		
Science L	Jnit		
Science L	Jnit		
Year 3, S	emester 1		
CCB203	Strategic Speech Communication		
CWB20 2	Rhetoric: Public Communication Skills		
Science L	Jnit		
Science Unit			
Year 3, Semester 2			
	Communication Planning and		
CCB204	Practice		
CWB20 1	Corporate Writing and Editing		

Science Unit

Science l	Jnit	
Year 4, Semester 1		
CWB30 1	Political Communication	
CWB30 3	Communication Project	
Science l	Jnit	
Science l	Jnit	
Year 4, S	emester 2	
CWB30	Advanced Corporate	
2	Communication	
	from the Work Integrated	
KKB350)		
KKB341	Work Integrated Learning 1	
	Creative Industries Study Tour	
Science l	Jnit	
Science l		
	r 2 (July) commencements	
Year 1, S	emester 2	
CYB103	Communication Theory and Practice	
CYB104	Managing Social Media	
Science l	Jnit	
Science l		
Year 2, S	emester 1	
CYB101	Introduction to Communication	
CYB102	Introduction to Media and Entertainment Industries	
Science l	Jnit	
Science l	Jnit	
	dents considering studying	
	in Year 3 Semester 1 must	
apply by		
	emester 2	
CCB102		
CWB10 3	Interpersonal and Intercultural Negotiation	
Science l	•	
Science l		
	emester 1	
	Communication and	
CWB10 1	Composition: Introduction to Academic Writing	
CWB10 2	Influence and Persuasion	
Science l	Jnit	
Science Unit		
Year 3, Semester 2		
CCB204	Communication Planning and Practice	
CWB20 1	Corporate Writing and Editing	
Science l	Jnit	
Science Unit		

Year 4, se	emester 1
CCB203	Strategic Speech Communication
CWB20 2	Rhetoric: Public Communication Skills
Science l	Jnit
Science l	Jnit
Year 4, S	emester 2
CWB30 2	Advanced Corporate Communication
	from the Work Integrated Unit Options List (KKB341 or
KKB341	Work Integrated Learning 1
KKB350	Creative Industries Study Tour
Science l	Jnit
Science l	Jnit
Year 5, S	emester 1
CWB30 1	Political Communication
CWB30 3	Communication Project
Science l	Jnit

Semesters

• Semester 1 (February)

- 001	
	imencements
	<u>ir 1 Semester 1</u>
	<u>ir 1 Semester 2</u>
	r 2 Semester 1
	r 2 Semester 2
	r 3 Semester 1
	<u>ir 3 Semester 2</u> ir 4 Semester 1
	r 4 Semester 2
	nester 2 (July) commencements
	ir 1, Semester 2
	r 2, Semester 1
 Yea 	r 2, Semester 2
• <u>Yea</u>	r 3, Semester 1
	r 3, Semester 2
	<u>ar 4, Semester 1</u>
	<u>ir 4, Semester 2</u>
• <u>Yea</u>	<u>r 5, Semester 1</u>
Code	Title
Semeste	r 1 (February) commencements
Year 1 S	emester 1
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1 S	emester 2
Science	Core Unit Option
Science	Major Unit Option
	-9 F
Year 2 S	emester 1
	· ·
SEB115 SEB116	emester 1 Experimental Science 1 Experimental Science 2
SEB115 SEB116	emester 1 Experimental Science 1
SEB115 SEB116 Year 2 S	emester 1 Experimental Science 1 Experimental Science 2
SEB115 SEB116 Year 2 S BVB101	emester 1 Experimental Science 1 Experimental Science 2 emester 2



Bachelor of Communication (Professional Communication)/Bachelor of Science

Year 3 Se	
BVB202	Experimental Design and Quantitative Methods
BVB301	Animal Biology
Year 3 Se	emester 2
BVB201	Biological Processes
BVB204	Ecology
Year 4 Se	emester 1
BVB203	Plant Biology
BVB305	Microbiology and the Environment
Year 4 Se	emester 2
BVB304	Integrative Biology
BVB313	Population Genetics and Molecular Ecology
Semester	2 (July) commencements
Year 1, S	emester 2
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 2, S	emester 1
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, S	emester 2
BVB101	Foundations of Biology
BVB102	Evolution
Year 3, S	emester 1
BVB202	Experimental Design and Quantitative Methods
BVB301	Animal Biology
Year 3, S	emester 2
BVB201	Biological Processes
BVB204	Ecology
Year 4, S	emester 1
BVB203	Plant Biology
BVB305	Microbiology and the Environment
Year 4, S	emester 2
BVB304	Integrative Biology
BVB313	Population Genetics and Molecular Ecology
Year 5, S	emester 1
Science (Core Unit Option
Science Major Unit Option	

Semesters

- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
 Year 2 Semester 2
- Year 3 Semester 1
- ٠
- Year 3 Semester 2 Year 4 Semester 1 ٠
- Year 4 Semester 2

Code	Title	
Year 1 Se	emester 1	
SEB104 Grand Challenges in Science		
SEB113	Quantitative Methods in Science	
Year 1 Se	emester 2	
MXB100	Introductory Calculus and Algebra	
Science (Core Unit Option	
Year 2 Semester 1		
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
Year 2 Se	emester 2	
CVB101	General Chemistry	
CVB102	Chemical Structure and Reactivity	
Year 3 Se	emester 1	
CVB201	Inorganic Chemistry	
CVB202	Analytical Chemistry	
Year 3 Se	emester 2	
CVB203	Physical Chemistry	
CVB204	Organic Structure and Mechanisms	
Year 4 Se	emester 1	
CVB301	Organic Chemistry: Strategies for Synthesis	
CVB302	Applied Physical Chemistry	
Year 4 Se	emester 2	
CVB303	Coordination Chemistry	

Semesters

•	Semester 1 (February)
	commencements
٠	Year 1 Semester 1
	Year 1 Semester 2
	Voor 2 Somostor 1

- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Semester 2 (July) commencements Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
 Year 4, Semester 1
- Year 4, Semester 2
- Year 5, Semester 1

Code	Title	
Semester 1 (February) commencements		
Year 1 Semester 1		
SEB104	Grand Challenges in Science	
SEB113	Quantitative Methods in Science	
Year 1 Semester 2		
Science Core Unit Option		

Science	Science Major Unit Option	
Year 2 Semester 1		
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
Year 2 S	emester 2	
ERB101	Earth Systems	
ERB102	Evolving Earth	
Year 3 S	emester 1	
ERB201	Destructive Earth: Natural	
	Hazards	
ERB202	Marine and Atmospheric Systems	
Vear 3 S	emester 2	
	Sedimentary Geology and	
ERB203	Stratigraphy	
ERB204	Deforming Earth: Fundamentals of Structural	
ERD204	Geology	
Year 4 S	emester 1	
ERB301	Chemical Earth	
ERB302	Applied Geophysics	
Year 4 S	emester 2	
	Energy Resources and Basin	
ERB303	Analysis	
ERB304	Dynamic Earth: Plate Tectonics	
	r 2 (July) commencements	
Year 1, S	Semester 2	
SEB104	Grand Challenges in Science	
SEB113	Quantitative Methods in Science	
Year 2, S	Semester 1	
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
Year 2, S	Semester 2	
ERB101	Earth Systems	
ERB102	Evolving Earth	
Year 3, S	Semester 1	
ERB201	Destructive Earth: Natural Hazards	
ERB202	Marine and Atmospheric Systems	
Year 3, 5	Semester 2	
ERB203	Sedimentary Geology and Stratigraphy	
ERB204	Deforming Earth: Fundamentals of Structural Geology	
Year 4, 5	Semester 1	
ERB301	Chemical Earth	
ERDSUT		
ERB302	Applied Geophysics	
ERB302		
ERB302	Applied Geophysics Gemester 2 Energy Resources and Basin	
ERB302 Year 4, S	Applied Geophysics Semester 2	



This information is correct as at 04/10/2022. For the most up-to-date course information, visit https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?courseCode=ID11&id=38742. CRICOS No.00213J

Bachelor of Communication (Professional Communication)/Bachelor of Science

Science

Year 5, Semester 1
Science Core Unit Option
Science Major Unit Option

Semesters

- Semester 1 (February)
- **commencements**
- Year 1 Semester 1
 Year 1 Semester 2
- Year 2 Semester 1
 Year 2 Semester 2
- Year 3 Semester 1
- ٠ Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Semester 2 (July) commencements
- Year 1, Semester 2 Year 2, Semester 1 ٠
- .
- ٠ Year 2, Semester 2
- Year 3, Semester 1 ٠
- Year 3, Semester 2 Year 4, Semester 1 •
- •
- Year 4, Semester 2
- ٠ Year 5, Semester 1

Code Title

Code	l itie	
Semester 1 (February) commencements		
Year 1 Se	emester 1	
SEB104	Grand Challenges in Science	
SEB113	Quantitative Methods in Science	
Year 1 Se	emester 2	
Science Core Unit Option		
Science Major Unit Option		
Year 2 Se	emester 1	
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
Year 2 Semester 2		
ERB101	Earth Systems	
EVB102	Ecosystems and the Environment	
Year 3 Se	emester 1	
BVB202	Experimental Design and Quantitative Methods	
EVB203	Geospatial Information Science	
Year 3 Se	emester 2	
BVB204	Ecology	
EVB302	Environmental Pollution	
Year 4 Se	emester 1	
BVB311	Conservation Biology	
EVB312	Soils and the Environment	
Year 4 Semester 2		
ERB310	Groundwater Systems	
EVB304	Case Studies in Environmental Science	
Semester 2 (July) commencements		
Year 1, Semester 2		

SEB104 Grand Challenges in Science Quantitative Methods in

SEB113

	Science	
Year 2, Semester 1		
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
Year 2, Semester 2		
ERB101	Earth Systems	
EVB102	Ecosystems and the Environment	
Year 3, Semester 1		
BVB202	Experimental Design and Quantitative Methods	
EVB203	Geospatial Information Science	
Year 3, Semester 2		
BVB204	Ecology	
EVB302	Environmental Pollution	
Year 4, S	emester 1	
BVB311	Conservation Biology	
EVB312	Soils and the Environment	
Year 4, Semester 2		
ERB310	Groundwater Systems	
EVB304	Case Studies in Environmental Science	
Year 5, Semester 1		
Science Core Unit Option		
Science Major Unit Option		

• <u>Yea</u> ı • <u>Yea</u> ı • <u>Yea</u> ı • <u>Yea</u> ı	1 Semester 2 2 Semester 1 3 Semester 1 3 Semester 2 4 Semester 2 4 Semester 1	
• Year	4 Semester 2	
Code	Title	
Year 1 Semester 1		
SEB104	Grand Challenges in Science	
SEB113	Quantitative Methods in Science	
Year 1 Semester 2		
MXB100	Introductory Calculus and Algebra	
Science Core Unit Option		
Year 2 Semester 1		
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
Year 2 Se	Year 2 Semester 2	
PVB101	Physics of the Very Large	
PVB102	Physics of the Very Small	
Year 3 Se	emester 1	
PVB202 Mathematical Methods in Physics		

PVB203	Experimental Physics	
Year 3 Semester 2		
PVB200	Computational and Mathematical Physics	
PVB204	Electromagnetism	
Year 4 Semester 1		
PVB301	Materials and Thermal Physics	
PVB302	Classical and Quantum Physics	
Year 4 Semester 2		
PVB303	Nuclear and Particle Physics	
PVB304	Physics Research	

QUI



Semesters

• Year 1 Semester 1

QUT

Bachelor of Communication/Bachelor of Science

2022
ID11
096584K
4 years
Gardens Point
2022: CSP \$11,900 per year full-time (96 credit points)
2022: \$34,300 per year full-time (96 credit points)
384
48
February
February
AskQUT askqut@qut.edu.au; +61 7 3138 2000;

Minimum English

requirements Students must meet the English proficiency requirements.



Year	2022
QUT code	ID15
CRICOS	096570E
Duration (full-time)	4 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point, Kelvin Grove
Domestic fee (indicative)	2022: CSP \$8,100 per year full-time (96 credit points)
International fee (indicative)	2022: \$33,600 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Program Director, School of Design; Dr Wayne Kelly (Information Technology); phone +61 7 3138 2000; email: askqut@qut.edu.au
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Year 12 early offer scheme

If you're a current Queensland Year 12 student, you may be eligible to receive an offer for this course on the last day of Queensland Year 12, before receiving your ATAR or selection rank.

Find out more about the QUT Year 12 Early Offer Scheme

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Entry requirements Prerequisites

Satisfactory completion of Year 12 in an Australian school system or equivalent.

International Assumed knowledge

 General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English

requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Domestic Course structure

In order to complete this course, you must complete a total of 384 credit points, made up of 192 credit points from the Bachelor of Design (Interaction Design) and 192 credit points from the Bachelor of Information Technology. You will undertake the two components of the double degree concurrently.

Design component

You will complete:

- four school-wide impact lab units (48 credit points)
- the interaction design major (144 credit points), including: four shared foundation units (48 credit points)seven units (96 credit points) from the discipline.

Information technology

component

You will complete:

- six core units (72 credit points)
- ten major core units (120 credit points) from either the information systems major or the computer science major.

Study overseas

<u>Study overseas</u> while earning credit towards your QUT degree with one of our worldwide exchange partners.

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

International Course structure

In order to complete this course, you must complete a total of 384 credit points, made up of 192 credit points from the Bachelor of Design (Interaction Design) and 192 credit points from the Bachelor of Information Technology. You will undertake the two components of the double degree concurrently.

Design component

You will complete:

- four school-wide impact lab units (48 credit points)
- the interaction design major (144 credit points), including: four shared foundation units (48 credit points)seven units (96 credit points) from the discipline.

Information technology

component

You will complete:

- six core units (72 credit points)
- ten major core units (120 credit points) from either the information systems major or the computer science major.

Study overseas

<u>Study overseas</u> while earning credit towards your QUT degree with one of our worldwide exchange partners.



Bachelor of Design (Interaction Design)/Bachelor of Information Technology

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

Sample Structure

Semesters

- Semester 1 (February)
- commencements
- Year 1, Semester 1
- Year 1, Semester 2 •
- Year 2, Semester 1
- Year 2, Semester 2 Year 3, Semester 1
- Year 3, Semester 2 ٠
- Year 4, Semester 1
- Year 4, Semester 2 ٠
- Semester 2 (July) commencements
- ٠ Year 1, Semester 2
- Year 2, Semester 1 Year 2, Semester 2 •
- ٠
- Year 3, Semester 1 •
- ٠ Year 3, Semester 2
- Year 4, Semester 1 Year 4, Semester 2 •
- .
- Year 5, Semester 1

Code	Title	
Semester	1 (February) commencements	
Year 1, S	emester 1	
DYB101	Impact Lab 1: Place	
DYB121	Introducing Design Fabrication	
IFB102	Introduction to Computer Systems	
IFB103	IT Systems Design	
Year 1, S	emester 2	
DYB102	Impact Lab 2: People	
DYB123	Emerging Design Technology	
IFB104	Building IT Systems	
IFB105	Database Management	
Note: Students considering studying overseas in Year 2 Semester 2 must apply by 1 November.		
Year 2, S	emester 1	
Year 2, S DXB110	emester 1 Principles of Interaction Design	
	Principles of Interaction Design	
DXB110	Principles of Interaction Design	
DXB110 DYB122	Principles of Interaction Design Design Visualisations Cyber Security	
DXB110 DYB122 IFB240 IT Core U Note: Fro Core Unit core unit.	Principles of Interaction Design Design Visualisations Cyber Security Init m 2023 IFB240 will replace IT Option. IFB240 will become	
DXB110 DYB122 IFB240 IT Core U Note: Fro Core Unit core unit.	Principles of Interaction Design Design Visualisations Cyber Security Init m 2023 IFB240 will replace IT	
DXB110 DYB122 IFB240 IT Core U Note: Fro Core Unit core unit.	Principles of Interaction Design Design Visualisations Cyber Security Init m 2023 IFB240 will replace IT Option. IFB240 will become emester 2	
DXB110 DYB122 IFB240 IT Core U Note: Fro Core Unit core unit. Year 2, S DXB111 DYB124	Principles of Interaction Design Design Visualisations Cyber Security Init m 2023 IFB240 will replace IT Option. IFB240 will become emester 2 Introduction to Web Design Design Consequences	
DXB110 DYB122 IFB240 IT Core U Note: Fro Core Unit core unit. Year 2, S DXB111 DYB124 IT Major U	Principles of Interaction Design Design Visualisations Cyber Security Init m 2023 IFB240 will replace IT Option. IFB240 will become emester 2 Introduction to Web Design Design Consequences Jnit	
DXB110 DYB122 IFB240 IT Core U Note: Fro Core Unit core unit. Year 2, S DXB111 DYB124 IT Major U IT Major U	Principles of Interaction Design Design Visualisations Cyber Security Init m 2023 IFB240 will replace IT Option. IFB240 will become emester 2 Introduction to Web Design Design Consequences Jnit Jnit	
DXB110 DYB122 IFB240 IT Core U Note: Fro Core Unit core unit. Year 2, S DXB111 DYB124 IT Major U Year 3, S	Principles of Interaction Design Design Visualisations Cyber Security Init m 2023 IFB240 will replace IT Option. IFB240 will become emester 2 Introduction to Web Design Design Consequences Jnit	

DXB211	Creative Coding	
IT Major l	Jnit	
IT Major l	Jnit	
Year 3, S	emester 2	
DXB212	Tangible Media	
DYB201	Impact Lab 3: Planet	
IT Major l	Jnit	
IT Major l	Jnit	
Year 4, S	emester 1	
DXB310	Augmented Interactions	
	irom the Impact Lab Unit ist (DYB301, KKB341 or	
DYB301	Impact Lab 4: Purpose	
KKB341	Work Integrated Learning 1	
KKB350	Creative Industries Study Tour	
IT Major l	Jnit	
IT Major l	Jnit	
Year 4, S	emester 2	
DXB311	Advanced Interaction Design Project	
IT Major l		
IT Major l		
	2 (July) commencements	
	emester 2	
DYB101	Impact Lab 1: Place	
DYB123	Emerging Design Technology	
IFB102	Introduction to Computer Systems	
IFB103	IT Systems Design	
Year 2, S		
DYB121	Introducing Design Fabrication	
DYB122	Design Visualisations	
IFB104	Building IT Systems	
IFB105	Database Management	
	dents considering studying	
overseas apply by ?	in Year 3 Semester 1 must	
	emester 2	
DYB124	Design Consequences	
DXB111	Introduction to Web Design	
IFB240	Cyber Security	
IT Core U		
Note: From 2023 IFB240 will replace IT		
	Option. IFB240 will become	
core unit.		
Year 3, S	emester 1	
DXB110	Principles of Interaction Design	
DXB211	Creative Coding	
IT Major l	Jnit	
IT Major l	Jnit	
Year 3, S	emester 2	
DYB102	Impact Lab 2: People	

DXB212 Tangible Media IT Major Unit IT Major Unit Year 4, Semester 1 DXB210 Critical Experience Design DXB310 Augmented Interactions IT Major Unit IT Major Unit Year 4, Semester 2 Advanced Interaction Design DXB311 Project IT Major Unit IT Major Unit Year 5, Semester 1 DYB201 Impact Lab 3: Planet One unit from the Impact Lab Unit Options List (DYB301, KKB341 or KKB350): DYB301 Impact Lab 4: Purpose KKB341 Work Integrated Learning 1 KKB350 Creative Industries Study Tour IT Major Unit IT Major Unit

Semesters

 <u>Semester 1 (February)</u>
<u>commencements</u>
 Year 1, Semester 1
 Year 1, Semester 2
 Year 2, Semester 1
 Year 2, Semester 2
 Year 3, Semester 1
Year 3, Semester 2
Year 4, Semester 1
Year 4, Semester 2
Semester 2 (July) commencements
Year 1, Semester 2
Year 2, Semester 1
Year 2, Semester 2
Year 3, Semester 1
Year 3, Semester 2
Year 4, Semester 1
Year 4, Semester 2
Year 5. Semester 1

Code	Title
Semeste	r 1 (February) commencements
Year 1, Semester 1	
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 1, S	Semester 2
IFB104	Building IT Systems
IFB105	Database Management
Year 2, S	Semester 1
IT Core Unit Option	
IT Core Unit Option	
Year 2, Semester 2	
CAB201	Programming Principles
CAB202	Microprocessors and Digital
he u	niversity
	eal world

for the real world

Bachelor of Design (Interaction Design)/Bachelor of Information Technology

	Systems
Year 3, S	emester 1
CAB203	Discrete Structures
CAB302	Software Development
Year 3, S	emester 2
CAB303	Networks
IFB295	IT Project Management
Year 4, S	emester 1
CAB301	Algorithms and Complexity
IFB398	Capstone Project (Phase 1)
Year 4, S	emester 2
IFB399	Capstone Project (Phase 2)
Select on	
	High Performance and
CAB401	Parallel Computing
CAB402	Programming Paradigms
CAB403	Systems Programming
CAB420	Machine Learning
Semester	2 (July) commencements
	emester 2
rour r, o	Introduction to Computer
IFB102	Systems
IFB103	IT Systems Design
Year 2, S	
IFB104	Building IT Systems
IFB105	Database Management
	emester 2
CAB201	Programming Principles
IT Core L	Init Option
	Init Option emester 1
IT Core L	Init Option emester 1 Microprocessors and Digital
IT Core L Year 3, S CAB202	Init Option emester 1 Microprocessors and Digital Systems
IT Core U Year 3, S CAB202 CAB301	Init Option emester 1 Microprocessors and Digital Systems Algorithms and Complexity
IT Core L Year 3, S CAB202 CAB301 Year 3, S	Init Option emester 1 Microprocessors and Digital Systems Algorithms and Complexity emester 2
IT Core L Year 3, S CAB202 CAB301 Year 3, S CAB303	Init Option emester 1 Microprocessors and Digital Systems Algorithms and Complexity emester 2 Networks
IT Core L Year 3, S CAB202 CAB301 Year 3, S CAB303 IFB295	Init Option emester 1 Microprocessors and Digital Systems Algorithms and Complexity emester 2 Networks IT Project Management
IT Core L Year 3, S CAB202 CAB301 Year 3, S CAB303 IFB295 Year 4, S	Init Option emester 1 Microprocessors and Digital Systems Algorithms and Complexity emester 2 Networks IT Project Management emester 1
IT Core L Year 3, S CAB202 CAB301 Year 3, S CAB303 IFB295 Year 4, S CAB203	Init Option emester 1 Microprocessors and Digital Systems Algorithms and Complexity emester 2 Networks IT Project Management emester 1 Discrete Structures
IT Core L Year 3, S CAB202 CAB301 Year 3, S CAB303 IFB295 Year 4, S CAB203 CAB203	Init Option emester 1 Microprocessors and Digital Systems Algorithms and Complexity emester 2 Networks IT Project Management emester 1 Discrete Structures Software Development
IT Core L Year 3, S CAB202 CAB301 Year 3, S CAB303 IFB295 Year 4, S CAB203 CAB302 Year 4, S	Init Option emester 1 Microprocessors and Digital Systems Algorithms and Complexity emester 2 Networks IT Project Management emester 1 Discrete Structures Software Development emester 2
IT Core L Year 3, S CAB202 CAB301 Year 3, S CAB303 IFB295 Year 4, S CAB203 CAB203	Init Option emester 1 Microprocessors and Digital Systems Algorithms and Complexity emester 2 Networks IT Project Management emester 1 Discrete Structures Software Development
IT Core L Year 3, S CAB202 CAB301 Year 3, S CAB303 IFB295 Year 4, S CAB203 CAB302 Year 4, S	Init Option emester 1 Microprocessors and Digital Systems Algorithms and Complexity emester 2 Networks IT Project Management emester 1 Discrete Structures Software Development emester 2 Capstone Project (Phase 1)
IT Core L Year 3, S CAB202 CAB301 Year 3, S CAB303 IFB295 Year 4, S CAB203 CAB302 Year 4, S IFB398	Init Option emester 1 Microprocessors and Digital Systems Algorithms and Complexity emester 2 Networks IT Project Management emester 1 Discrete Structures Software Development emester 2 Capstone Project (Phase 1) NE of: High Performance and
IT Core L Year 3, S CAB202 CAB301 Year 3, S CAB303 IFB295 Year 4, S CAB203 CAB302 Year 4, S IFB398 Select Of CAB401	Init Option emester 1 Microprocessors and Digital Systems Algorithms and Complexity emester 2 Networks IT Project Management emester 1 Discrete Structures Software Development emester 2 Capstone Project (Phase 1) NE of: High Performance and Parallel Computing
IT Core L Year 3, S CAB202 CAB301 Year 3, S CAB303 IFB295 Year 4, S CAB203 CAB203 CAB302 Year 4, S IFB398 Select OP CAB401 CAB403	Init Option emester 1 Microprocessors and Digital Systems Algorithms and Complexity emester 2 Networks IT Project Management emester 1 Discrete Structures Software Development emester 2 Capstone Project (Phase 1) NE of: High Performance and Parallel Computing Systems Programming
IT Core L Year 3, S CAB202 CAB301 Year 3, S CAB303 IFB295 Year 4, S CAB203 CAB302 Year 4, S IFB398 Select OP CAB401 CAB403 OR IT Co	Init Option emester 1 Microprocessors and Digital Systems Algorithms and Complexity emester 2 Networks IT Project Management emester 1 Discrete Structures Software Development emester 2 Capstone Project (Phase 1) NE of: High Performance and Parallel Computing Systems Programming re Unit Option
IT Core L Year 3, S CAB202 CAB301 Year 3, S CAB303 IFB295 Year 4, S CAB203 CAB302 Year 4, S IFB398 Select Of CAB401 CAB401 CAB403 OR IT Co Year 5, S	Init Option emester 1 Microprocessors and Digital Systems Algorithms and Complexity emester 2 Networks IT Project Management emester 1 Discrete Structures Software Development emester 2 Capstone Project (Phase 1) NE of: High Performance and Parallel Computing Systems Programming re Unit Option emester 1
IT Core L Year 3, S CAB202 CAB301 Year 3, S CAB303 IFB295 Year 4, S CAB203 CAB302 Year 4, S IFB398 Select Of CAB401 CAB401 CAB403 OR IT Co Year 5, S IFB399	Init Option emester 1 Microprocessors and Digital Systems Algorithms and Complexity emester 2 Networks IT Project Management emester 1 Discrete Structures Software Development emester 2 Capstone Project (Phase 1) E of: High Performance and Parallel Computing Systems Programming re Unit Option emester 1 Capstone Project (Phase 2)
IT Core L Year 3, S CAB202 CAB301 Year 3, S CAB303 IFB295 Year 4, S CAB203 CAB302 Year 4, S IFB398 Select ON CAB401 CAB403 OR IT Co Year 5, S IFB399 Select ON	Init Option emester 1 Microprocessors and Digital Systems Algorithms and Complexity emester 2 Networks IT Project Management emester 1 Discrete Structures Software Development emester 2 Capstone Project (Phase 1) NE of: High Performance and Parallel Computing Systems Programming re Unit Option emester 1 Capstone Project (Phase 2) NE of:
IT Core L Year 3, S CAB202 CAB301 Year 3, S CAB303 IFB295 Year 4, S CAB203 CAB302 Year 4, S IFB398 Select Of CAB401 CAB401 OR IT Co Year 5, S IFB399 Select Of CAB402	Init Option emester 1 Microprocessors and Digital Systems Algorithms and Complexity emester 2 Networks IT Project Management emester 1 Discrete Structures Software Development emester 2 Capstone Project (Phase 1) NE of: High Performance and Parallel Computing Systems Programming re Unit Option emester 1 Capstone Project (Phase 2) NE of: Programming Paradigms
IT Core L Year 3, S CAB202 CAB301 Year 3, S CAB303 IFB295 Year 4, S CAB203 CAB302 Year 4, S IFB398 Select ON CAB401 CAB401 OR IT Co Year 5, S IFB399 Select ON CAB402 CAB402	Algorithms and Complexity emester 1 Microprocessors and Digital Systems Algorithms and Complexity emester 2 Networks IT Project Management emester 1 Discrete Structures Software Development emester 2 Capstone Project (Phase 1) E of: High Performance and Parallel Computing Systems Programming re Unit Option emester 1 Capstone Project (Phase 2) Se of: Programming Paradigms Machine Learning
IT Core L Year 3, S CAB202 CAB301 Year 3, S CAB303 IFB295 Year 4, S CAB203 CAB203 CAB203 CAB302 Year 4, S IFB398 Select ON CAB401 CAB403 OR IT Co CAB402 CAB402 CAB420 OR IT Co	Init Option emester 1 Microprocessors and Digital Systems Algorithms and Complexity emester 2 Networks IT Project Management emester 1 Discrete Structures Software Development emester 2 Capstone Project (Phase 1) NE of: High Performance and Parallel Computing Systems Programming re Unit Option emester 1 Capstone Project (Phase 2) NE of: Programming Paradigms Machine Learning re Unit Option
IT Core L Year 3, S CAB202 CAB301 Year 3, S CAB303 IFB295 Year 4, S CAB203 CAB302 Year 4, S IFB398 Select ON CAB401 CAB401 CAB403 OR IT Co CAB402 CAB420 OR IT Co (Select IT	Algorithms and Complexity emester 1 Microprocessors and Digital Systems Algorithms and Complexity emester 2 Networks IT Project Management emester 1 Discrete Structures Software Development emester 2 Capstone Project (Phase 1) E of: High Performance and Parallel Computing Systems Programming re Unit Option emester 1 Capstone Project (Phase 2) Se of: Programming Paradigms Machine Learning

Semeste	
	nester 1 (February)
	<u>mencements</u> r 1, Semester 1
• Year 1, Semester 2	
 Year 2, Semester 1 	
• <u>Yea</u>	<u>r 2, Semester 2</u> r 3, Semester 1
• <u>Tea</u>	r 3, Semester 2
• Yea	r 4, Semester 1
• <u>Yea</u>	r 4, Semester 2
	nester 2 (July) commencements r 1, Semester 2
Yea	r 2, Semester 1
• <u>Yea</u>	r 2, Semester 2
	<u>r 3, Semester 1</u> r <u>3, Semester 2</u>
• <u>Yea</u>	<u>r 4, Semester 1</u>
• <u>Yea</u>	<u>r 4, Semester 2</u> r 5, Semester 1
• <u>rea</u>	
Code	Title
	1 (February) commencements
Year 1, S	emester 1
IFB102	Introduction to Computer
IFB103	Systems IT Systems Design
	emester 2
IFB104	Building IT Systems
IFB105	Database Management
Year 2, S	emester 1
	Init Option
	Init Option
	emester 2
	Modelling Techniques for
IAB201	Information Systems
IAB207	Rapid Web Application
	Development
	emester 1
IAB203	Business Process Modelling
IAB204	Business Requirements Analysis
Voor 2 S	emester 2
real 5, 5	
IAB305	Information Systems Lifecycle Management
IFB295	IT Project Management
Year 4, S	emester 1
IFB398	Capstone Project (Phase 1)
Select on	e of:
IAB206	Modern Data Management
IAB260	Social Technologies
IAB303	Data Analytics for Business Insight
IAB320	Business Process Improvement
IAB402	Information Systems Consulting
Year 4, S	emester 2
IAB401	Enterprise Architecture
IFB399	Capstone Project (Phase 2)

Semester 2 (July) commencements		
Year 1, Semester 2		
IFB102	Introduction to Computer Systems	
IFB103	IT Systems Design	
Year 2, S	emester 1	
IFB104	Building IT Systems	
IFB105	Database Management	
Year 2, S	emester 2	
IAB201	Modelling Techniques for Information Systems	
IT Core L	Init Option	
Year 3, S	emester 1	
IAB204	Business Requirements Analysis	
IAB207	Rapid Web Application Development	
Year 3, S	emester 2	
IAB305	Information Systems Lifecycle Management	
IT Core L	Init Option	
Year 4, S	emester 1	
IAB203	Business Process Modelling	
IFB295	IT Project Management	
Year 4, S	emester 2	
IAB401	Enterprise Architecture	
IFB398	Capstone Project (Phase 1)	
Year 5, S	emester 1	
IFB399	Capstone Project (Phase 2)	
Select Of	NE of:	
IAB206	Modern Data Management	
IAB260	Social Technologies	
IAB303	Data Analytics for Business Insight	
IAB320	Business Process Improvement	
IAB402	Information Systems Consulting	

Semester 2 (July) commencement



2022
ID20
096575M
4 years
70.00
Yes
Gardens Point
2022: CSP \$8,100 per year full-time (96 credit points)
2022: \$35,000 per year full-time (96 credit points)
384
48
July, February
July, February
You can defer your offer and postpone the start of your course for one year.
Program Director, School of Design; Dr Graham Johnson (Science)
AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Entry requirements **Prerequisites**

Satisfactory completion of Year 12 in an Australian school system or equivalent.

International Assumed knowledge

· Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English

requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

In order to complete this course, you must complete a total of 384 credit points, made up of 192 credit points from the Bachelor of Design (Landscape Architecture) and 192 credit points from the Bachelor of Science. You will undertake the two components of the double degree concurrently.

Design component

You will complete:

- · four school-wide impact lab units (48 credit points)
- the landscape architecture major (144 credit points), including: four shared foundation units (48 credit points)eight units (96 credit points) from the discipline.

Science component

You will complete five core units (60 credit points) and a science major (132 credit points) in one of the following study areas:

- biological sciences
- chemistry
- earth science
- environmental science
- physics

Study overseas

Study overseas while earning credit towards your QUT degree with one of our worldwide exchange partners.

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in a creative or non-creative discipline area, depending on how they match with your QUT course.

International Course structure

In order to complete this course, you must complete a total of 384 credit points, made up of 192 credit points from the Bachelor of Design (Landscape Architecture) and 192 credit points from the Bachelor of Science. You will undertake the two components of the double degree concurrently.

Design component

You will complete:

- four school-wide impact lab units (48 credit points)
- the landscape architecture major (144 credit points), including: four shared foundation units (48 credit points)eight units (96 credit points) from the discipline.

Science component

You will complete five core units (60 credit points) and a science major (132 credit points) in one of the following study areas:

- biological sciences
- chemistry
- · earth science
- environmental science
- physics

Study overseas

Study overseas while earning credit towards your QUT degree with one of our worldwide exchange partners.

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in a creative or non-creative discipline area, depending on how they match with your QUT course.



Sample Structure

Semesters

- Semester 1 (February) **commencements**
- Year 1, Semester 1
 Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
 Year 4, Semester 1
- Year 4, Semester 2
- Semester 2 (July) commencements
- Year 1, Semester 2 Year 2, Semester 1 ٠
- .
- ٠ Year 2, Semester 2
- Year 3, Semester 1 •
- Year 3, Semester 2 Year 4, Semester 1 •
- •
- Year 4, Semester 2
- Year 5, Semester 1

Code Title

Coue	THE		
Semester	1 (February) commencements		
Year 1, S	Year 1, Semester 1		
DYB101	Impact Lab 1: Place		
DYB111	Create and Represent: Form		
Science l	Jnit		
Science Unit			
Year 1, S	emester 2		
DYB113	Create and Represent: Materials		
DYB114	Spatial Histories		
Science l	Jnit		
Science l	Jnit		
overseas apply by	dents considering studying in Year 2 Semester 2 must 1 November.		
Year 2, S	emester 1		
DLB101	Landscape Studio 1		
DYB112	Spatial Materiality		
Science l	Jnit		
Science l	Jnit		
Year 2, S	emester 2		
DLB102	Landscape Studio 2		
DYB102	Impact Lab 2: People		
Science l	Jnit		
Science l	Jnit		
Year 3, S	emester 1		
DLB201	Landform, Technology and Techniques		
DLB202	Landscape, People and Place Studio		
Science Unit			
Science l	Jnit		
Year 3, S	emester 2		
DLB204	Planting Design Studio		
DYB201	Impact Lab 3: Planet		
Science l	Jnit		

Science Unit		
Year 4, S	emester 1	
DLB301	Landscape Ecology	
	rom the Impact Lab Unit	
	ist (DYB301, KKB341 or	
KKB350):		
	Impact Lab 4: Purpose	
KKB341		
KKB350	Creative Industries Study Tour	
Science L	Jnit	
Science L		
Year 4, S	emester 2	
DLB302	Landscape Materiality and Constructs	
DLB303	Resilient Landscapes Studio	
Science L	Jnit	
Science L	Jnit	
Semester	2 (July) commencements	
Year 1, S		
	Impact Lab 1: Place	
	Create and Represent:	
DYB113	Materials	
Science L		
Science L		
Year 2, S		
	Create and Represent: Form	
	Spatial Materiality	
Science L	Jnit	
Science L	Jnit	
	dents considering studying	
	in Year 3 Semester 1 must	
apply by 1		
Year 2, S		
	Landscape Studio 2	
	Spatial Histories	
Science L		
Science L		
Year 3, S		
DLB101	Landscape Studio 1	
DYB102	Impact Lab 2: People	
Science L		
Science L		
Year 3, S	emester 2	
DLB204	Planting Design Studio	
DYB201	Impact Lab 3: Planet	
Science L	Jnit	
Science L	Jnit	
Year 4, S	emester 1	
DLB201	Landform, Technology and Techniques	
DLB202	Landscape, People and Place Studio	
Science L	Jnit	
Science L		
Year 4, S		

DLB302	Landscape Materiality and Constructs	
DLB303	Resilient Landscapes Studio	
Science Unit		
Science Unit		
Year 5, S	emester 1	
DLB301	Landscape Ecology	
One unit from the Impact Lab Unit Options List:		
DYB301	Impact Lab 4: Purpose	
KKB341	Work Integrated Learning 1	
KKB350	Creative Industries Study Tour	
Science Unit		
Science Unit		

• <u>Sem</u> com • <u>Yea</u> • <u>Yea</u>	Semesters • Semester 1 (February) commencements • Year 1, Semester 1 • Year 1, Semester 2		
• <u>Yea</u> • <u>Yea</u> • <u>Yea</u> • <u>Yea</u> • <u>Yea</u> • <u>Sem</u> • <u>Yea</u>	 Year 2, Semester 1 Year 2, Semester 2 Year 3, Semester 1 Year 3, Semester 2 Year 4, Semester 1 Year 4, Semester 2 Semester 2 (July) commencements Year 1, Semester 2 Year 2, Semester 1 		
• <u>Yea</u> • <u>Yea</u> • <u>Yea</u> • <u>Yea</u>	r 2, Semester 2 r 3, Semester 1 r 3, Semester 2 r 4, Semester 1 r 4, Semester 2 r 5, Semester 1		
Code	Title		
	r 1 (February) commencements		
	emester 1		
	DYB101 Impact Lab 1: Place		
	DYB111 Create and Represent: Form		
Science l			
Science l			
Year 1, S	emester 2		
DYB113	Create and Represent: Materials		
	Spatial Histories		
Science l	Jnit		
Science l			
overseas apply by	dents considering studying in Year 2 Semester 2 must 1 November.		
	emester 1		
	Landscape Studio 1		
	DYB112 Spatial Materiality		
Science l			
Science l			
	emester 2		
DLB102	Landscape Studio 2		
DYB102	Impact Lab 2: People		

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QUI

Science l	Jnit		
Science Unit			
Year 3, Semester 1			
DLB201	Landform, Technology and Techniques		
DLB202	Landscape, People and Place Studio		
Science l	Jnit		
Science l	Jnit		
Year 3, S	emester 2		
DLB204	Planting Design Studio		
DYB201	•		
Science l	Jnit		
Science l	Jnit		
Year 4, S	semester 1		
DLB301	Landscape Ecology		
	from the Impact Lab Unit .ist (DYB301, KKB341, KKB350)1):		
DYB301	Impact Lab 4: Purpose		
KKB341	Work Integrated Learning 1		
KKB350	Creative Industries Study Tour		
UXB301	-		
Science Unit			
Science l	Jnit		
Year 4, S	emester 2		
DLB302	Landscape Materiality and Constructs		
DLB303	Resilient Landscapes Studio		
Science l	Jnit		
Science l	Jnit		
Semester	r 2 (July) commencements		
Year 1, S	emester 2		
DYB101	Impact Lab 1: Place		
DYB113	Create and Represent: Materials		
Science l	Jnit		
Science l	Jnit		
Year 2, S	semester 1		
DYB111	Create and Represent: Form		
DYB112	Spatial Materiality		
Science Unit			
Science Unit			
Note: Students considering studying overseas in Year 3 Semester 1 must			
apply by	1 June.		
	emester 2		
DLB102	Landscape Studio 2		
DYB114	•		
Science l			
Science l			
	emester 1		
DLB101	Landscape Studio 1		
DYB102	Impact Lab 2: People		
Science l	Jnit		

Science Unit		
Year 3, S	emester 2	
DLB204	Planting Design Studio	
DYB201	Impact Lab 3: Planet	
Science L	Jnit	
Science L	Jnit	
Year 4, S	emester 1	
DLB201	Landform, Technology and Techniques	
DLB202	Landscape, People and Place Studio	
Science L	Jnit	
Science L	Jnit	
Year 4, S	emester 2	
DLB302	Landscape Materiality and Constructs	
DLB303	Resilient Landscapes Studio	
Science L	Jnit	
Science L	Jnit	
Year 5, S	emester 1	
DLB301	Landscape Ecology	
One unit from the Impact Lab Unit Options List (DYB301, KKB341, KKB350 or UXB301):		
DYB301	Impact Lab 4: Purpose	
KKB341	Work Integrated Learning 1	
KKB350	Creative Industries Study Tour	
UXB301	Professional Practice	
Science Unit		
Science Unit		

S

Semeste	Semesters		
 <u>Semester 1 (February)</u> 			
commencements			
 Year 1 Semester 1 			
 Year 1 Semester 2 			
 Year 2 Semester 1 			
	r 2 Semester 2		
• <u>Yea</u>	r <u>3 Semester 1</u>		
	r <u>3 Semester 2</u>		
	r <u>4 Semester 1</u>		
• <u>Yea</u>	r <u>4 Semester 2</u>		
 Semester 2 (July) commencements 			
	Year 1, Semester 2		
Year 2, Semester 1			
Year 2, Semester 2			
Year 3, Semester 1			
Year 3, Semester 2			
Year 4, Semester 1			
Year 4, Semester 2			
 Year 5, Semester 1 			
Code	Title		
Semester 1 (February) commencements			
Year 1 Semester 1			
SEB104	Grand Challenges in Science		
SEB113	Quantitative Methods in Science		

Year 1 Semester 2

Science Core Unit Option

1 cal 2 cc	emester 1	
	Experimental Science 1	
SEB116	Experimental Science 2	
Year 2 Se	•	
BVB101		
BVB101 Foundations of Biology BVB102 Evolution		
Year 3 Se		
	Experimental Design and	
BVB202	VB202 Quantitative Methods	
BVB301	Animal Biology	
Year 3 Se	emester 2	
BVB201	Biological Processes	
BVB204	Ecology	
Year 4 Se		
BVB203	Plant Biology	
DUDOOF	Microbiology and the	
BVB305	Environment	
Year 4 Se	emester 2	
BVB304	Integrative Biology	
BVB313	Population Genetics and	
DVD313	Molecular Ecology	
Semester	2 (July) commencements	
Year 1, Se	emester 2	
SEB104	Grand Challenges in Science	
SEB113	Quantitative Methods in Science	
Year 2, Se	emester 1	
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
Year 2, S	emester 2	
BVB101	Foundations of Biology	
BVB102	Evolution	
Year 3, Se	emester 1	
BVB202	Experimental Design and Quantitative Methods	
BVB301	Animal Biology	
Year 3, Se	emester 2	
BVB201	Biological Processes	
BVB204	Ecology	
Year 4, Se		
BVB203	Plant Biology	
BVB305	Microbiology and the Environment	
Year 4, Se	emester 2	
BVB304	Integrative Biology	
BVB313	Population Genetics and Molecular Ecology	
Voor 5 S	emester 1	



Semesters

- Year 1 Semester 1
- Year 1 Semester 2 ٠
- Year 2 Semester 1 •
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2 . Year 4 Semester 1
- Year 4 Semester 2

Code Title Year 1 Semester 1 SEB104 Grand Challenges in Science Quantitative Methods in **SEB113** Science Year 1 Semester 2 Introductory Calculus and MXB100 Algebra Science Core Unit Option Year 2 Semester 1 SEB115 Experimental Science 1 SEB116 Experimental Science 2 Year 2 Semester 2 CVB101 General Chemistry Chemical Structure and **CVB102** Reactivity Year 3 Semester 1 CVB201 Inorganic Chemistry CVB202 Analytical Chemistry Year 3 Semester 2 CVB203 Physical Chemistry Organic Structure and **CVB204** Mechanisms Year 4 Semester 1 Organic Chemistry: Strategies **CVB301** for Synthesis CVB302 Applied Physical Chemistry Year 4 Semester 2 CVB303 Coordination Chemistry CVB304 Chemistry Research Project

Semesters

- Semester 1 (February)
- **commencements**
- Year 1 Semester 1 ٠
- Year 1 Semester 2 Year 2 Semester 1 ٠
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2 ٠
- Year 4 Semester 1 ٠
- Year 4 Semester 2
- ٠ Semester 2 (July) commencements
- Year 1, Semester 2 •
- Year 2, Semester 1 ٠
- Year 2, Semester 2
- Year 3, Semester 1 ٠
- Year 3, Semester 2 Year 4, Semester 1 • .
- Year 4, Semester 2
- . Year 5, Semester 1

Code	Title		
	r 1 (February) commencements		
Year 1 Se			
SEB104	Grand Challenges in Science		
SEB113	Quantitative Methods in		
Year 1 Semester 2			
	Core Unit Option		
	Major Unit Option emester 1		
SEB115			
SEB116	Experimental Science 2		
-	emester 2		
	Earth Systems		
ERB102			
	emester 1		
	Destructive Earth: Natural		
ERB201	Hazards		
ERB202	Marine and Atmospheric Systems		
Year 3 Se	emester 2		
ERB203	Sedimentary Geology and Stratigraphy		
ERB204	Deforming Earth: Fundamentals of Structural Geology		
Year 4 Se	emester 1		
ERB301	Chemical Earth		
ERB302	Applied Geophysics		
Year 4 Se			
rour rou	emester 2		
ERB303	emester 2 Energy Resources and Basin Analysis		
	Energy Resources and Basin Analysis Dynamic Earth: Plate		
ERB303 ERB304	Energy Resources and Basin Analysis Dynamic Earth: Plate Tectonics		
ERB303 ERB304 Semeste	Energy Resources and Basin Analysis Dynamic Earth: Plate Tectonics r 2 (July) commencements		
ERB303 ERB304 Semeste	Energy Resources and Basin Analysis Dynamic Earth: Plate Tectonics		
ERB303 ERB304 Semester Year 1, S	Energy Resources and Basin Analysis Dynamic Earth: Plate Tectonics r 2 (July) commencements remester 2		
ERB303 ERB304 Semester Year 1, S SEB104 SEB113	Energy Resources and Basin Analysis Dynamic Earth: Plate Tectonics 2 (July) commencements emester 2 Grand Challenges in Science Quantitative Methods in Science		
ERB303 ERB304 Semester Year 1, S SEB104 SEB113	Energy Resources and Basin Analysis Dynamic Earth: Plate Tectonics r 2 (July) commencements emester 2 Grand Challenges in Science Quantitative Methods in Science emester 1		
ERB303 ERB304 Semester Year 1, S SEB104 SEB113 Year 2, S	Energy Resources and Basin Analysis Dynamic Earth: Plate Tectonics 2 (July) commencements emester 2 Grand Challenges in Science Quantitative Methods in Science		
ERB303 ERB304 Semester Year 1, S SEB104 SEB113 Year 2, S SEB115 SEB116	Energy Resources and Basin Analysis Dynamic Earth: Plate Tectonics (2 (July) commencements Grand Challenges in Science Quantitative Methods in Science emester 1 Experimental Science 1		
ERB303 ERB304 Semester Year 1, S SEB104 SEB113 Year 2, S SEB115 SEB116	Energy Resources and Basin Analysis Dynamic Earth: Plate Tectonics 7 2 (July) commencements 6 mester 2 Grand Challenges in Science Quantitative Methods in Science 6 mester 1 Experimental Science 1 Experimental Science 2		
ERB303 ERB304 Semester Year 1, S SEB104 SEB113 Year 2, S SEB115 SEB116 Year 2, S	Energy Resources and Basin Analysis Dynamic Earth: Plate Tectonics r 2 (July) commencements emester 2 Grand Challenges in Science Quantitative Methods in Science emester 1 Experimental Science 1 Experimental Science 2 emester 2		
ERB303 ERB304 Semester Year 1, S SEB104 SEB113 Year 2, S SEB115 SEB116 Year 2, S ERB101 ERB102	Energy Resources and Basin Analysis Dynamic Earth: Plate Tectonics 2 (July) commencements emester 2 Grand Challenges in Science Quantitative Methods in Science emester 1 Experimental Science 1 Experimental Science 2 emester 2 Earth Systems		
ERB303 ERB304 Semester Year 1, S SEB104 SEB113 Year 2, S SEB115 SEB116 Year 2, S ERB101 ERB102	Energy Resources and Basin Analysis Dynamic Earth: Plate Tectonics (2 (July) commencements emester 2 Grand Challenges in Science Quantitative Methods in Science emester 1 Experimental Science 1 Experimental Science 2 emester 2 Earth Systems Evolving Earth		
ERB303 ERB304 Semester Year 1, S SEB104 SEB113 Year 2, S SEB115 SEB116 Year 2, S ERB101 ERB102 Year 3, S	Energy Resources and Basin Analysis Dynamic Earth: Plate Tectonics 7 2 (July) commencements 6 mester 2 Grand Challenges in Science Quantitative Methods in Science 6 mester 1 Experimental Science 1 Experimental Science 2 6 mester 2 Earth Systems Evolving Earth 6 mester 1 Destructive Earth: Natural Hazards Marine and Atmospheric		
ERB303 ERB304 Semester Year 1, S SEB104 SEB113 Year 2, S SEB115 SEB116 Year 2, S ERB101 ERB102 Year 3, S ERB201 ERB202	Energy Resources and Basin Analysis Dynamic Earth: Plate Tectonics (2 (July) commencements emester 2 Grand Challenges in Science Quantitative Methods in Science emester 1 Experimental Science 1 Experimental Science 2 emester 2 Earth Systems Evolving Earth emester 1 Destructive Earth: Natural Hazards Marine and Atmospheric Systems		
ERB303 ERB304 Semester Year 1, S SEB104 SEB113 Year 2, S SEB115 SEB116 Year 2, S ERB101 ERB102 Year 3, S ERB201 ERB202	Energy Resources and Basin Analysis Dynamic Earth: Plate Tectonics 7 2 (July) commencements 6 mester 2 Grand Challenges in Science Quantitative Methods in Science 6 mester 1 Experimental Science 1 Experimental Science 2 6 mester 2 Earth Systems Evolving Earth 6 mester 1 Destructive Earth: Natural Hazards Marine and Atmospheric		

Deforming Earth:

Geology

Fundamentals of Structural

ERB204

Year 4, Semester 1 ERB301 Chemical Earth ERB302 Applied Geophysics Year 4, Semester 2 Energy Resources and Basin **ERB303** Analysis Dynamic Earth: Plate **ERB304** Tectonics Year 5, Semester 1 Science Core Unit Option Science Major Unit Option

Semesters

- Semester 1 (February) commencements Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1 ٠
 - Year 4 Semester 2
- Semester 2 (July) commencements
- Year 1, Semester 2
- Year 2, Semester 1
- . Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2 Year 5, Semester 1

CodeTitleSemester 1(February) commencementsYear 1Semester 1SEB104Grand Challenges in ScienceSEB113Quantitative Methods in ScienceYear 1Semester 2	
Year 1 Semester 1SEB104Grand Challenges in ScienceSEB113Quantitative Methods in Science	
SEB104Grand Challenges in ScienceSEB113Quantitative Methods in Science	
SEB113 Quantitative Methods in Science	
SEB113 Science	
Year 1 Semester 2	
Science Core Unit Option	
Science Major Unit Option	
Year 2 Semester 1	
SEB115 Experimental Science 1	
SEB116 Experimental Science 2	
Year 2 Semester 2	
ERB101 Earth Systems	
EVB102 Ecosystems and the Environment	
Year 3 Semester 1	
BVB202 Experimental Design and Quantitative Methods	
EVB203 Geospatial Information Science	
Year 3 Semester 2	
BVB204 Ecology	
EVB302 Environmental Pollution	
Year 4 Semester 1	
BVB311 Conservation Biology	
EVB312 Soils and the Environment	



Year 4 Se	emester 2	
ERB310	Groundwater Systems	
EVB304	Case Studies in	
Environmental Science		
	2 (July) commencements	
Year 1, S		
SEB104	Grand Challenges in Science	
SEB113	Quantitative Methods in Science	
Year 2, S	emester 1	
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
Year 2, S	emester 2	
ERB101	Earth Systems	
EVB102	Ecosystems and the	
	Environment	
Year 3, S	emester 1	
BVB202	Experimental Design and Quantitative Methods	
EVB203	Geospatial Information Science	
Year 3, S	emester 2	
BVB204	Ecology	
EVB302	Environmental Pollution	
Year 4, S	emester 1	
BVB311	Conservation Biology	
EVB312	Soils and the Environment	
Year 4, S	emester 2	
ERB310	Groundwater Systems	
EVB304	Case Studies in	
Environmental Science		
Year 5, S		
Science Core Unit Option		
Science Major Unit Option		

Semesters

- Year 1 Semester 1
- Year 1 Semester 1
 Year 2 Semester 1
 Year 2 Semester 2

- Year 3 Semester 1
 Year 3 Semester 2
- Year 4 Semester 1
 Year 4 Semester 2

Code	Title	
Year 1 Semester 1		
SEB104	Grand Challenges in Science	
SEB113	Quantitative Methods in Science	
Year 1 Semester 2		
MXB100	Introductory Calculus and Algebra	
Science Core Unit Option		
Year 2 Semester 1		

SEB115Experimental Science 1SEB116Experimental Science 2Year 2 S=mester 2PVB101Physics of the Very LargePVB102Physics of the Very SmallYear 3 S=mester 1PVB202Mathematical Methods in PhysicsPVB203Experimental PhysicsPVB204Experimental PhysicsPVB205Computational and Mathematical PhysicsPVB206ElectromagnetismYear 4 S=mester 1PVB301Materials and Thermal PhysicsPVB302Classical and Quantum PhysicsPVB303Nuclear and Particle PhysicsPVB304Physics Research			
Year 2 Semester 2PVB101Physics of the Very LargePVB102Physics of the Very SmallYear 3 Semester 1PVB202Mathematical Methods in PhysicsPVB203Experimental PhysicsPVB204Experimental PhysicsPVB204Computational and Mathematical PhysicsPVB204ElectromagnetismYear 4 Semester 1PVB301Materials and Thermal PhysicsPVB302Classical and Quantum PhysicsPVB303Nuclear and Particle Physics	SEB115	Experimental Science 1	
PVB101Physics of the Very LargePVB102Physics of the Very SmallYear 3 S==ester 1PVB202Mathematical Methods in PhysicsPVB203Experimental PhysicsPVB204Experimental PhysicsPVB205Computational and Mathematical PhysicsPVB206Computational and Mathematical PhysicsPVB207ElectromagnetismYear 4 S==ester 1PVB301Materials and Thermal PhysicsPVB302Classical and Quantum PhysicsYear 4 S==ester 2PVB303Nuclear and Particle Physics	SEB116	Experimental Science 2	
PVB102Physics of the Very SmallPver 3 Semester 1PVB202Mathematical Methods in PhysicsPVB203Experimental PhysicsPVB204Computational and Mathematical PhysicsPVB204ElectromagnetismPvB301Materials and Thermal PhysicsPVB302Classical and Quantum PhysicsPvB303Nuclear and Particle Physics	Year 2 Se	emester 2	
Year 3 Semester 1PVB202Mathematical Methods in PhysicsPVB203Experimental PhysicsPVB203Experimental PhysicsYear 3 Semester 2PVB200Computational and Mathematical PhysicsPVB204ElectromagnetismYear 4 Semester 1PVB301Materials and Thermal PhysicsPVB302Classical and Quantum PhysicsYear 4 Semester 2PVB303Nuclear and Particle Physics	PVB101	Physics of the Very Large	
PVB202Mathematical Methods in PhysicsPVB203Experimental PhysicsPVB204Computational and Mathematical PhysicsPVB204ElectromagnetismYear 4 S===================================	PVB102	Physics of the Very Small	
PVB202PhysicsPVB203Experimental PhysicsPVB203Experimental PhysicsYear 3 Semester 2PVB200Computational and Mathematical PhysicsPVB204ElectromagnetismYear 4 Semester 1PVB301Materials and Thermal PhysicsPVB302Classical and Quantum PhysicsYear 4 Semester 2PVB303Nuclear and Particle Physics	Year 3 Se	emester 1	
Year 3 Semester 2PVB200Computational and Mathematical PhysicsPVB204ElectromagnetismYear 4 Semester 1PVB301Materials and Thermal PhysicsPVB302Classical and Quantum PhysicsYear 4 Semester 2PVB303Nuclear and Particle Physics	PVB202		
PVB200Computational and Mathematical PhysicsPVB204ElectromagnetismYear 4 Semester 1PVB301Materials and Thermal PhysicsPVB302Classical and Quantum PhysicsYear 4 Semester 2PVB303Nuclear and Particle Physics	PVB203	Experimental Physics	
PVB200Mathematical PhysicsPVB204ElectromagnetismYear 4 Semester 1PVB301Materials and Thermal PhysicsPVB302Classical and Quantum PhysicsYear 4 Semester 2PVB303Nuclear and Particle Physics	Year 3 Semester 2		
Year 4 Semester 1PVB301Materials and Thermal PhysicsPVB302Classical and Quantum PhysicsYear 4 Semester 2PVB303Nuclear and Particle Physics	PVB200		
PVB301Materials and Thermal PhysicsPVB302Classical and Quantum PhysicsYear 4 Semester 2PVB303Nuclear and Particle Physics	PVB204	Electromagnetism	
PVB301PhysicsPVB302Classical and Quantum PhysicsYear 4 Semester 2PVB303Nuclear and Particle Physics	Year 4 Semester 1		
PVB302PhysicsYear 4 Semester 2PVB303Nuclear and Particle Physics	PVB301		
PVB303 Nuclear and Particle Physics	PVB302		
	Year 4 Se	emester 2	
PVB304 Physics Research	PVB303	Nuclear and Particle Physics	
	PVB304	Physics Research	



Year	2022
QUT code	ID22
CRICOS	099057J
Duration (full-time)	4.5 years
Duration (part-time domestic)	9 years
ATAR/Selection rank	72.00
Offer Guarantee	Yes
Campus	Gardens Point, Kelvin Grove
Domestic fee (indicative)	2022: CSP \$6,500 per year full-time (96 credit points)
International fee (indicative)	2022: \$34,200 per year full-time (96 credit points)
Total credit points	432
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	AskQUT askqut@qut.edu.au; +61 7 3138 2000;
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Prerequisites

- English, or literature, or English and literature extension, or English as an additional language (units 3 & 4, C)
- General mathematics, mathematical methods or specialist mathematics (units 3 & 4, C)

Haven't completed the prerequisite subjects?

You may be able to meet the prerequisite requirements if you've completed equivalent subjects or by completing bridging courses.

How to meet prerequisite requirements

Non-academic entry requirements

You must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

To demonstrate this you must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. Details are available from the <u>QTAC initial teacher</u> <u>education webpage</u>.

If you've achieved a satisfactory result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the satisfactory result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at unsatisfactory after two test attempts for that component.

International Entry requirements Prerequisites

You must have passed four semesters (Units 3 & 4, C) at an Australian high school level or equivalent:

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C); and
- at least one of General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C).

Haven't completed the prerequisite subjects?

You may be able to meet the prerequisite requirements if you've completed equivalent subjects or by completing bridging courses.

How to meet prerequisite requirements

Additional entry requirements

Pass the Initial Teacher Education Course (ITE) capabilities criteria.

Applicants must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

You must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. In the questionnaire you will be asked to:

- Rank a series of potentially appropriate statement responses, in order of what you think is most to least important.
- Provide two x 500 word written statements addressing the categories and indicators as outlined on the <u>Teacher Entry Fact</u> <u>Sheet</u>.

QUT will send you details on how to complete the Initial Teacher Education Course (ITE) Capabilities Criteria questionnaire and submit your written statements after you have lodged an application.

If you've achieved a '*satisfactory*' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the '*satisfactory*' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at '*unsatisfactory*' after two test attempts for that component.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0



Reading	6.0
Writing	6.0
Speaking	6.0

Sample Structure

Semesters

- Semester 1 (February)
- **Commencement**
- Year 1, Semester 1
- Year 1, Semester 2 Year 2, Semester 1
- Year 2, Semester 2
 Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1 •
- Year 4, Semester 2 ٠
- Year 5, Semester 1
- Semester 2 (July) Commencement: •
- Year 1, Semester 2
- Year 2, Semester 1
 Year 2, Semester 2
- Year 3, Semester 1 ٠
- . Year 3, Semester 2
- ٠ Year 4, Semester 1
- Year 4, Semester 2
- Year 5, Semester 1 •
- Year 5, Semester 2

Code	Title		
Semester	1 (February) Commencement		
Year 1, S	emester 1		
EUB101	Supporting Innovative Pedagogy with Digital Technologies		
EUB104	Stepping In		
IT Core L	Init		
IT Core L	Init		
Year 1, S	emester 2		
EUB129	Introduction to Curriculum, Pedagogy and Assessment: Double Degree		
EUB129	EUB129 requires a blue card		
EUB112	Child and Adolescent Learning and Development		
IT Core L	Init		
IT Core L	Init		
Year 2, S	emester 1		
EUB103	Culture Studies: Indigenous Education		
IT Major I	Jnit		
IT Major I	Jnit		
EUB242	Professional Experience: Introduction to Professional Practice		
Designated Unit EUB242: Contains 15 days professional experience and requires a blue card			
	emester 2		
Curriculum unit 1 for second teaching area from Education Discipline & Curriculum Units List			
Discipline unit 1 for second teaching			

	Education Discipline &		
	Curriculum Units List		
	Init Option		
IT Major			
Year 3, S	emester 1		
	e unit 2 for second teaching		
	Education Discipline &		
Curriculu	m Units List		
EUB213	Inclusive Practices for Diverse Learners		
IT Major	Unit		
EUB343 Professional Experience: Informing Professional Practice			
days prof	ed Unit EUB343: Contains 20 essional experience and a blue card		
Year 3, S	emester 2		
	m unit 2 for second teaching		
area from	m Education Discipline & m Units List		
Discipline	unit 3 for second teaching		
	Education Discipline &		
Curriculu	m Units List		
IT Core L	Init Option		
IT Major	Unit		
Year 4, S	emester 1		
	Education and Society		
IT Major	-		
-	Unit (capstone)		
EUB444	Professional Experience: Consolidating Professional Practice		
Designate	ed Unit EUB444: Contains 20		
days prof	essional experience and		
•	a blue card		
Year 4, S	emester 2		
EUB329	Curriculum, Pedagogy and Assessment: Double Degree		
IT Major	Unit		
IT Major	Unit		
IT Major	Unit (capstone)		
Year 5, Semester 1			
	Professional Experience:		
EUB445	· ·		
Designate	ed Unit EUB445: Contains 25		
	essional experience and a blue card		
	must be taken in your final		
semester	of study.		
EUB406	Stepping Out/ Quality		
	Teaching Performance Assessment		
	Assessment must be taken in your final		
semester	Assessment must be taken in your final		

Discipline unit 4 for second teacher area

from Edu Units	cation Discipline & Curriculum			
	· 2 (July) Commencement:			
	emester 2			
IT Core L	Init			
IT Core L	Init			
IT Core L				
IT Core L				
Year 2, S	emester 1			
EUB101	EUB101 Supporting Innovative Pedagogy with Digital Technologies			
EUB102	Education and Society			
EUB103	Culture Studies: Indigenous Education			
EUB104	Stepping In			
Year 2, S	emester 2			
EUB129	Introduction to Curriculum, Pedagogy and Assessment: Double Degree			
EUB129	requires a blue card			
EUB112	Child and Adolescent Learning and Development			
IT Major I				
IT Major I				
Year 3, S	emester 1			
EUB213	Inclusive Practices for Diverse Learners			
IT Major I				
IT Major Unit Professional Experience:				
EUB242	Introduction to Professional Practice			
days prof	Designated Unit EUB242: Contains 15 days professional experience and requires a blue card			
	emester 2			
area from	m unit 1 for second teaching Education Discipline & m Units List - July entry			
	unit 1 for second teaching			
	e Education Discipline & m Units List - July entry			
IT Major I	, , , ,			
IT Major I				
Year 4, Semester 1				
EUB343	Professional Experience: Informing Professional Practice			
days prof	ed Unit EUB343: Contains 20 essional experience and a blue card			
area from	e unit 2 for second teaching Education Discipline & m Units List - July entry			
-	Init Option			
	emester 2			

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Curriculum unit 2 for second teaching area from Education Discipline & Curriculum Units List - July entry Curriculum, Pedagogy and **EUB329** Assessment: Double Degree Discipline unit 3 for second teaching area from Education Discipline & Curriculum Units List - July entry IT Core Unit Option Year 5, Semester 1 Professional Experience: EUB444 Consolidating Professional Practice Designated Unit EUB444: Contains 20 days professional experience and requires a blue card Discipline unit 4 for second teaching area from Education Discipline & Curriculum Units List - July entry EUB310 Teaching EAL/D Learners IT Major Unit (capstone) Year 5, Semester 2 **Professional Experience:** EUB445 Transition to Professional Practice EUB445 must be taken in your final semester of study. Designated Unit EUB445: Contains 25 days professional experience and requires a blue card Stepping Out/ Quality EUB406 **Teaching Performance** Assessment Designated unit: EUB406. EUB406 is a Capstone unit with Conference. Completion of all units in your course is assumed knowledge. It requires a blue card. EUB406 must be taken in your final semester of study. IT Major Unit IT Major Unit (capstone)

Semesters

- Semester 1 (February) <u>commencements</u>
 Voor 1 Semester 1
- Year 1, Semester 1
 Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Semester 2 (July) commencements
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
 Year 4, Semester 1
- Year 4, Semester 2
- Year 5, Semester 1
- Year 5, Semester 2

Code	Title		
Semester	1 (February) commencements		
Year 1, S	emester 1		
IFB102	Introduction to Computer Systems		
IFB103	IT Systems Design		
Year 1, S	emester 2		
IFB104	Building IT Systems		
IFB105	Database Management		
Year 2, S	emester 1		
CAB201	Programming Principles		
CAB203	Discrete Structures		
Year 2, S	emester 2		
CAB202	Microprocessors and Digital Systems		
Core Unit	Option		
	emester 1		
CAB301	Algorithms and Complexity		
Year 3, S	emester 2		
IFB295	IT Project Management		
Core Unit	·		
Year 4, S			
CAB302	Software Development		
IFB398	Capstone Project (Phase 1)		
	emester 2		
CAB303	Networks		
IFB399	Capstone Project (Phase 2)		
Select ON			
CAB401	High Performance and Parallel Computing		
CAB402	Programming Paradigms		
CAB403	Systems Programming		
CAB420			
	2 (July) commencements		
Year 1, S	emester 2		
IFB102	Introduction to Computer Systems		
IFB103	IT Systems Design		
IFB104	Building IT Systems		
IFB105	Database Management		
Year 2, S			
units	his semester will be Education		
Year 2, S			
	emester 2		
CAB201	Programming Principles		
CAB202	Programming Principles Microprocessors and Digital Systems		
CAB202 Year 3, S	Programming Principles Microprocessors and Digital Systems emester 1		
CAB202	Programming Principles Microprocessors and Digital Systems		
CAB202 Year 3, S	Programming Principles Microprocessors and Digital Systems emester 1		
CAB202 Year 3, S CAB203 CAB302	Programming Principles Microprocessors and Digital Systems emester 1 Discrete Structures		
CAB202 Year 3, S CAB203 CAB302	Programming Principles Microprocessors and Digital Systems emester 1 Discrete Structures Software Development		
CAB202 Year 3, S CAB203 CAB302 Year 3, S	Programming Principles Microprocessors and Digital Systems emester 1 Discrete Structures Software Development emester 2		

CAB301	Algorithms and Complexity		
Core Unit	Option		
Year 4, Semester 2			
Core Unit Option			
Year 5, Semester 1			
IFB398	Capstone Project (Phase 1)		
Year 5, Semester 2			
IFB399	Capstone Project (Phase 2)		
Select ONE of:			
CAB401	High Performance and Parallel Computing		
CAB402	Programming Paradigms		
CAB403	Systems Programming		
CAB420	Machine Learning		

Semesters

 Semester 1 (February) commencements Year 1, Semester 1 Year 1, Semester 2 Year 2, Semester 1 Year 3, Semester 2 Year 3, Semester 1 Year 4, Semester 1 Year 4, Semester 2 Semester 2 (July) commencements Year 1, Semester 2 Year 2, Semester 1 Year 2, Semester 1 Year 3, Semester 2 Year 4, Semester 2 Year 3, Semester 2 Year 4, Semester 2 Year 3, Semester 1 Year 4, Semester 2 Year 3, Semester 1 Year 3, Semester 1 Year 3, Semester 1 Year 4, Semester 1 Year 4, Semester 1 Year 5, Semester 1 Year 5, Semester 2 		
Code	Title	
Semeste	r 1 (February) commencements	
Year 1, S	Semester 1	
IFB102	Introduction to Computer Systems	
IFB103 IT Systems Design		
Year 1, S	Semester 2	
IFB104	Building IT Systems	
IFB105	Database Management	
Year 2, S	Semester 1	
IAB201	Modelling Techniques for Information Systems	
IAB203		
Year 2, Semester 2		
IAB207	Rapid Web Application Development	
IAB305	Information Systems Lifecycle Management	
Year 3, 5	Semester 1	
Core Uni	t Option	
Year 3, S	Semester 2	
IAB401	Enterprise Architecture	
IFB295	IT Project Management	



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Year 4, S	omostor 1		
- 10ar 4, 0			
IAB204	Business Requirements Analysis		
IFB398	Capstone Project (Phase 1)		
Year 4, S	emester 2		
Core Unit	Option		
IFB399	Capstone Project (Phase 2)		
Select on	e of:		
IAB206	Modern Data Management		
IAB260	Social Technologies		
IAB303	Data Analytics for Business Insight		
IAB320	Business Process Improvement		
IAB402	Information Systems Consulting		
Semester	2 (July) commencements		
Year 1, S	emester 2		
IFB102	Introduction to Computer Systems		
IFB103	IT Systems Design		
IFB104	Building IT Systems		
IFB105	Database Management		
Year 2, S	emester 1		
	nis semester will be Education		
Year 2, S	emester 2		
	Modelling Techniques for		
IAB201	Information Systems		
IAB203	Business Process Modelling		
Year 3, Semester 1			
IAB204	Business Requirements Analysis		
IAB207	Rapid Web Application Development		
Year 3, S	emester 2		
	Information Systems Lifecycle		
IAB305	Management		
IFB295	IT Project Management		
Year 4, S	emester 1		
Core Unit	Option		
Core Unit	Option		
Year 4, S	emester 2		
IAB401	Enterprise Architecture		
Year 5, S			
IFB398	Capstone Project (Phase 1)		
	emester 2		
IFB399	Capstone Project (Phase 2)		
Select ON			
IAB206	Modern Data Management		
IAB260	Social Technologies		
IAB303	Data Analytics for Business Insight		
IAB320	Business Process Improvement		

IAB402	02 Information Systems Consulting		
In this list			
 English Second Teaching Area Discipline and Curriculum Units List Geography Second Teaching Area Discipline and Curriculum Units List History Second Teaching Area Discipline and Curriculum Units List Mathematics Second Teaching Area Discipline and Curriculum Units List 			
	econd Teaching Area and Curriculum Units List		
Code	Title		
Year 2, S	emester 2: Discipline Unit 1		
EUB152	Teaching Young Adult Literature		
Year 2, S	emester 2: Curriculum Unit 1		
EUB220	Curriculum, Pedagogy and Assessment 1: English		
Year 3, S	emester 1: Discipline Unit 2		
EUB254	Studies in Language		
Year 3, S	emester 2: Discipline Unit 3		
EUB255	Literature in Secondary Teaching		
Year 3, S	emester 2: Curriculum Unit 2		
EUB320 Curriculum, Pedagogy and Assessment 2: English			
Year 5, S	emester 1: Discipline Unit 4		
EUB354	354 Screen Studies and New Media		
Geograph	ny Second Teaching Area		
Discipline	and Curriculum Units List		
Code	Title		
	emester 2: Discipline Unit 1		
	Environment and Society emester 2: Curriculum Unit 1		
real 2, 3	Curriculum, Pedagogy and		
EUB223	Assessment 1: Geography		
Year 3, S	emester 1: Discipline Unit 2		
EUB250	Australian Geographical Studies		
Year 3, S	emester 2: Discipline Unit 3		
EUB351 Space, Population and Territory			
Year 3, S	emester 2: Curriculum Unit 2		
	Curriculum, Pedagogy and		

Year 2, Semester 2: Discipline Unit 1			
EUB251	Environment and Society		
Year 2, S	Year 2, Semester 2: Curriculum Unit 1		
EUB223	Curriculum, Pedagogy and Assessment 1: Geography		
Year 3, Semester 1: Discipline Unit 2			
EUB250	Australian Geographical Studies		
Year 3, Semester 2: Discipline Unit 3			
EUB351	Space, Population and Territory		
Year 3, Semester 2: Curriculum Unit 2			
EUB323	Curriculum, Pedagogy and Assessment 2: Geography		
Year 5, Semester 1: Discipline Unit 4			
EUB350	Asia in Focus		

History Second Teaching Area Discipline and Curriculum Units List			
Code	Title		
Year 2, Semester 2: Discipline Unit 1			
EUB151	Nations and Nationalism in Modern Europe		

<u>List</u> ea	Year 3, S	emester 1: Discipline Unit 2
	EUB352	Medieval Europe and the World
List	Year 3, S	emester 2: Discipline Unit 3
List	EUB253	The Classical World
Area	Year 3, S	Semester 2: Curriculum Unit 2
<u>List</u>	EUB322	Curriculum, Pedagogy and Assessment 2: History
	Year 5, S	emester 1: Discipline Unit 4
	EUB451	Australia, Britain and America
	Mathoma	tics Second Teaching Area
	Discipline	e and Curriculum Units List
1	Code	Title
1	Year 2, S	emester 2: Discipline Unit 1
	EUB153	Thinking and Communicating Mathematically
	Year 2, S	emester 2: Curriculum Unit 1
	EUB221	Curriculum, Pedagogy and Assessment 1: Mathematics
	Year 3, S	emester 1: Discipline Unit 2
2	EUB256	Exploring, Representing and Interpreting Mathematical Change
	Year 3, S	emester 2: Discipline Unit 3
	EUB257	Reasoning with Quantity, Space and Shape
	Year 3, S	Semester 2: Curriculum Unit 2
	EUB321	Curriculum, Pedagogy and Assessment 2: Mathematics
	Year 5, S	emester 1: Discipline Unit 4
	EUB355	Uncertain Situations
1		st <u>lish Second Teaching Area</u> sipline and Curriculum Units Lis

Year 2, Semester 2: Curriculum Unit 1

EUB222

Curriculum, Pedagogy and

Assessment 1: History

s List Geography Second Teaching Area Discipline and Curriculum Units List History Second Teaching Area Discipline and Curriculum Units List Mathematics Second Teaching Area Discipline and Curriculum Units List **English Second Teaching Area Discipline and Curriculum Units List** Code Title Year 3, Semester 2: Discipline Unit 1 EUB152 Teaching Young Adult Literature

	Literature
Year 3, S	emester 2: Curriculum Unit 1
EUB220	Curriculum, Pedagogy and Assessment 1: English
Year 4, S	emester 1: Discipline Unit 2
EUB254	Studies in Language
Year 4, Semester 2: Discipline Unit 3	
EUB255	Literature in Secondary
ke u	QUI

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	Teaching
Year 4, Semester 2: Curriculum Unit 2	
EUB320	Curriculum, Pedagogy and Assessment 2: English
Year 5, Semester 1: Discipline Unit 4	
EUB354	Screen Studies and New Media

Geography Second Teaching Area Discipline and Curriculum Units List Code Title

Year 3, Semester 2: Discipline Unit 1		
EUB251	Environment and Society	
Year 3, S	emester 2: Curriculum Unit 1	
EUB223	Curriculum, Pedagogy and Assessment 1: Geography	
Year 4, S	emester 1: Discipline Unit 2	
EUB250	Australian Geographical Studies	
Year 4, Semester 2: Discipline Unit 3		
EUB351	Space, Population and Territory	
Year 4, S	Year 4, Semester 2: Curriculum Unit 2	
EUB323	Curriculum, Pedagogy and Assessment 2: Geography	
Year 5, S	Year 5, Semester 1: Discipline Unit 4	
EUB350	Asia in Focus	

History Second Teaching Area Discipline and Curriculum Units List Code Title

Year 3, Semester 2: Discipline Unit 1		
EUB151	Nations and Nationalism in Modern Europe	
Year 3, Semester 2: Curriculum Unit 1		
EUB222	Curriculum, Pedagogy and Assessment 1: History	
Year 4, S	emester 1: Discipline Unit 2	
EUB352	Medieval Europe and the World	
Year 4, Semester 2: Discipline Unit 3		
EUB253	The Classical World	
Year 4, S	emester 2: Curriculum Unit 2	
EUB322	Curriculum, Pedagogy and Assessment 2: History	
Year 5, Semester 1: Discipline Unit 4		
EUB451	Australia, Britain and America	

Mathematics Second Teaching Area Discipline and Curriculum Units List		
Code	Title	
Year 3, Semester 2: Discipline Unit 1		
EUB153	Thinking and Communicating Mathematically	
Year 3, Semester 2: Curriculum Unit 1		
EUB221	Curriculum, Pedagogy and Assessment 1: Mathematics	

Year 4, Semester 1: Discipline Unit 2	
EUB256 Exploring, Representing and Interpreting Mathematical Change	
Year 4, Semester 2: Discipline Unit 3	
EUB257	Reasoning with Quantity, Space and Shape
Year 4, Semester 2: Curriculum Unit 2	
EUB321	Curriculum, Pedagogy and Assessment 2: Mathematics
Year 5, Semester 1: Discipline Unit 4	
EUB355	Uncertain Situations



Year	2022
QUT code	ID28
CRICOS	0100982
Duration (full-time)	4 years
ATAR/Selection rank	84.00
Offer Guarantee	Yes
Campus	Gardens Point, Kelvin Grove
Domestic fee (indicative)	2022: CSP \$6,300 per year full-time (96 credit points)
International fee (indicative)	2022: \$40,500 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Kerry Manton, Course Coordinator, Bachelor of Biomedical Science Dr Timothy Moroney, Course Coordinator, Bachelor of Mathematics
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- Biology (Units 3 & 4, C) or Chemistry (Units 3 & 4, C)
- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Assumed knowledge

- Biology (Units 3 & 4, C) or Chemistry (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

Biomedical Science component consists of 96 credit points of core biomedical science studies and either one 72 credit point Biomedical Science Major and 24 credit points of elective units, or two Biomedical Science Minors (each worth 48 credit points).

The Mathematics component consists of 96 credit points of core units and 96 credit points of a selected major.

International Course structure

Biomedical Science component consists of 96 credit points of core biomedical science studies and either one 72 credit point Biomedical Science Major and 24 credit points of elective units, or two Biomedical Science Minors (each worth 48 credit points).

The Mathematics component consists of 96 credit points of core units and 96 credit points of a selected major.

Sample Structure Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
 Year 3, Semester 1
- Year 3, Semester 1
 Year 3, Semester 2
- Year 3, Semester 2
 Year 4, Semester 1
- Year 4, Semester 2

Code	Title
Year 1, S	emester 1
LQB184	Introduction to Biomedical Science
LQB187	Human Anatomy
MXB102	Abstract Mathematical Reasoning
MXB106	Linear Algebra
Year 1, S	emester 2
LSB258	Principles of Human Physiology
LQB286	Quantitative Skills for Health Scientists
MXB105	Calculus and Differential Equations
MXB161	Computational Explorations
Year 2, S	emester 1
LQB180	Foundations of Biochemistry
LQB186	Human Cell & Molecular Biology
MXB101	Probability and Stochastic Modelling 1
Maths Co	ore Options Unit
Year 2, S	emester 2
Year 2, S LQB280	emester 2 Genes, Genomes and Genetics
	Genes, Genomes and
LQB280	Genes, Genomes and Genetics Principles of Infection and
LQB280 LQB292 MXB103 MXB107	Genes, Genomes and Genetics Principles of Infection and Immunity Introductory Computational Mathematics Introduction to Statistical Modelling
LQB280 LQB292 MXB103 MXB107 Year 3, S	Genes, Genomes and Genetics Principles of Infection and Immunity Introductory Computational Mathematics Introduction to Statistical Modelling emester 1
LQB280 LQB292 MXB103 MXB107 Year 3, S	Genes, Genomes and Genetics Principles of Infection and Immunity Introductory Computational Mathematics Introduction to Statistical Modelling
LQB280 LQB292 MXB103 MXB107 Year 3, S Biomedic	Genes, Genomes and Genetics Principles of Infection and Immunity Introductory Computational Mathematics Introduction to Statistical Modelling emester 1
LQB280 LQB292 MXB103 MXB107 Year 3, S Biomedic	Genes, Genomes and Genetics Principles of Infection and Immunity Introductory Computational Mathematics Introduction to Statistical Modelling emester 1 al Sciences Major unit al Sciences Major unit
LQB280 LQB292 MXB103 MXB107 Year 3, S Biomedic Biomedic	Genes, Genomes and Genetics Principles of Infection and Immunity Introductory Computational Mathematics Introduction to Statistical Modelling emester 1 al Sciences Major unit al Sciences Major unit ajor Unit
LQB280 LQB292 MXB103 MXB107 Year 3, S Biomedic Biomedic Biomedic Maths Ma Maths Ma	Genes, Genomes and Genetics Principles of Infection and Immunity Introductory Computational Mathematics Introduction to Statistical Modelling emester 1 al Sciences Major unit al Sciences Major unit ajor Unit
LQB280 LQB292 MXB103 MXB107 Year 3, S Biomedic Biomedic Maths Ma Year 3, S	Genes, Genomes and Genetics Principles of Infection and Immunity Introductory Computational Mathematics Introduction to Statistical Modelling emester 1 al Sciences Major unit al Sciences Major unit ajor Unit
LQB280 LQB292 MXB103 MXB107 Year 3, S Biomedic Biomedic Maths Ma Maths Ma Year 3, S Biomedic	Genes, Genomes and Genetics Principles of Infection and Immunity Introductory Computational Mathematics Introduction to Statistical Modelling emester 1 al Sciences Major unit al Sciences Major unit ajor Unit emester 2
LQB280 LQB292 MXB103 MXB107 Year 3, S Biomedic Biomedic Maths Ma Maths Ma Year 3, S Biomedic	Genes, Genomes and Genetics Principles of Infection and Immunity Introductory Computational Mathematics Introduction to Statistical Modelling emester 1 al Sciences Major unit al Sciences Major unit ajor Unit emester 2 al Sciences Major unit al Sciences Major unit
LQB280 LQB292 MXB103 MXB107 Year 3, S Biomedic Biomedic Maths Ma Year 3, S Biomedic Biomedic	Genes, Genomes and Genetics Principles of Infection and Immunity Introductory Computational Mathematics Introduction to Statistical Modelling emester 1 al Sciences Major unit al Sciences Major unit ajor Unit emester 2 al Sciences Major unit al Sciences Major unit ajor Unit
LQB280 LQB292 MXB103 MXB107 Year 3, S Biomedic Biomedic Maths Ma Pear 3, S Biomedic Biomedic Biomedic Maths Ma Maths Ma	Genes, Genomes and Genetics Principles of Infection and Immunity Introductory Computational Mathematics Introduction to Statistical Modelling emester 1 al Sciences Major unit al Sciences Major unit ajor Unit emester 2 al Sciences Major unit al Sciences Major unit ajor Unit
LQB280 LQB292 MXB103 MXB107 Year 3, S Biomedic Biomedic Biomedic Biomedic Biomedic Biomedic Biomedic Biomedic Aths Ma Year 4, S	Genes, Genomes and Genetics Principles of Infection and Immunity Introductory Computational Mathematics Introduction to Statistical Modelling emester 1 al Sciences Major unit al Sciences Major unit ajor Unit emester 2 al Sciences Major unit al Sciences Major unit ajor Unit ajor Unit ajor Unit



Bachelor of Biomedical Science/Bachelor of Mathematics

Maths	Major	Unit
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- Maths Major Unit
- Year 4, Semester 2
- **Biomedical Sciences Major unit Biomedical Sciences Major unit**
- Maths Major Unit
- Maths Major Unit

Semesters

- Year 1, Semester 1
- Year 1, Semester 2 Year 2, Semester 1
- .
- Year 2, Semester 2
- Year 3, Semester 1 •
- Year 3, Semester 2
- Year 4, Semester 1 Year 4, Semester 2

Code	Title
Year 1, S	emester 1
LQB184	Introduction to Biomedical Science
LQB187	Human Anatomy
MXB102	Abstract Mathematical Reasoning
MXB106	Linear Algebra
Year 1, S	emester 2
LSB258	Principles of Human Physiology
LQB286	Quantitative Skills for Health Scientists
MXB105	Calculus and Differential Equations
MXB161	Computational Explorations
Year 2, S	emester 1
LQB180	Foundations of Biochemistry
LQB186	Human Cell & Molecular Biology
MXB101	Probability and Stochastic Modelling 1
Maths Co	ore Options Unit
Year 2, S	emester 2
LQB280	Genes, Genomes and Genetics
LQB292	Principles of Infection and Immunity
MXB103	Introductory Computational Mathematics
MXB107	Introduction to Statistical Modelling
Year 3, S	emester 1
Biomedic	al Sciences First Minor
Biomedic	al Sciences Second Minor
Maths Ma	ajor Unit
Maths Ma	ajor Unit
Year 3, S	emester 2
Biomedic	al Sciences First Minor
Biomedic	al Sciences Second Minor

Maths Major Unit
Maths Major Unit
Year 4, Semester 1
Biomedical Sciences First Minor
Biomedical Sciences Second Minor
Maths Major Unit
Maths Major Unit
Year 4, Semester 2
Biomedical Sciences First Minor
Biomedical Sciences Second Minor
Maths Major Unit
Mathe Major Linit

Maths Major Unit

Semesters

- Applied and Computational Mathematics Major unit set:
- Year 1 Semester 1 .
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2

Code	Title	
Applied and Computational Mathematics Major unit set:		
Year 1 Se	emester 1	
MXB102	Abstract Mathematical Reasoning	
MXB106	Linear Algebra	
Year 1 Se	emester 2	
MXB105	Calculus and Differential Equations	
MXB161	Computational Explorations	
Year 2 Semester 1		
MXB101	Probability and Stochastic Modelling 1	
Maths Co	re Options Unit	
Year 2 Se	emester 2	
MXB103	Introductory Computational Mathematics	
MXB107	Introduction to Statistical Modelling	
Year 3 Se	emester 1	
MXB201	Advanced Linear Algebra	
MXB225	Modelling with Differential Equations 1	
Year 3 Se	emester 2	
MXB202	Advanced Calculus	
MXB226	Computational Methods 1	
Year 4 Se	emester 1	
MXB322	Partial Differential Equations	
MXB326	Computational Methods 2	
Year 4 Se	emester 2	
MXB325	Modelling with Differential Equations 2	

Semesters • Operations Research Major unit set: Year 1 Semester 1 Year 1 Semester 2 . Year 2 Semester 1 Year 2 Semester 2 Year 3 Semester 1 Year 3 Semester 2 Year 4 Semester 1 . Year 4 Semester 2 • Code Title Operations Research Major unit set: Year 1 Semester 1 Abstract Mathematical **MXB102** Reasoning MXB106 Linear Algebra Year 1 Semester 2 Calculus and Differential MXB105 Equations MXB161 Computational Explorations Year 2 Semester 1 Probability and Stochastic **MXB101** Modelling 1 Maths Core Options Unit Year 2 Semester 2 Introductory Computational **MXB103 Mathematics** Introduction to Statistical **MXB107** Modelling Year 3 Semester 1 MXB201 Advanced Linear Algebra Introduction to Operations **MXB232** Research Year 3 Semester 2 MXB202 Advanced Calculus Probability and Stochastic **MXB241** Modelling 2 Year 4 Semester 1 MXB332 Optimisation Modelling MXB341 Statistical Inference Year 4 Semester 2

Work Integrated Learning in

Applied and Computational

Mathematics

MXB328

Operations Research for MXB334 Stochastic Processes Work Integrated Learning in **MXB338 Operations Research**

Semesters

- Statistics Major unit set:
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2

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Bachelor of Biomedical Science/Bachelor of Mathematics

Code	Title	
	Major unit set:	
Year 1 Se		
Teal 1 Se		
MXB102	Abstract Mathematical Reasoning	
MXB106	Linear Algebra	
Year 1 Se	emester 2	
MXB105	Calculus and Differential Equations	
MXB161	Computational Explorations	
Year 2 Se	emester 1	
MXB101	Probability and Stochastic Modelling 1	
Maths Co	re Options Unit	
Year 2 Se	emester 2	
MXB103	Introductory Computational Mathematics	
MXB107	Introduction to Statistical Modelling	
Year 3 Se	emester 1	
MXB201	Advanced Linear Algebra	
MXB242	Regression and Design	
Year 3 Se	emester 2	
MXB202	Advanced Calculus	
MXB241	Probability and Stochastic Modelling 2	
Year 4 Semester 1		
MXB341	Statistical Inference	
MXB344	Generalised Linear Models	
Year 4 Se	emester 2	
MXB343	Modelling Dependent Data	
MXB348	Work Integrated Learning in Statistics	

Code: LS40MJR-ANATSCI

In this list

Code

<u>Core units</u>

Option units

Course Notes

Complete 72 credit points - 36 credit points of core units and 36 credit points of option units

Title

Core	units

Code	Title
LQB382	Developmental Anatomy and Tissue Adaptation
LQB482	Anatomical Imaging
LQB670	Anatomical Dissection

Option units	
Code	Title
Choose 36 credit points from:	
LQB502	Biomedical Work Integrated Learning A

LQB570	Forensic Anatomy
LQB571	Neuroscience
LQB671	Histological Research Techniques

Code: LS40MJR-CELLMOL

In this list

- <u>Core units</u>
- Option units

Course Notes Code

Complete 72 credit points - 36 credit points of core units and 36 credit points of option units

Title

Core units	
Code	Title
LQB385	Molecular Biology and Bioinformatics
LQB485	Cell Biology
LQB684	Advances in Medical Biotechnology

Option units	
Code	Title
Choose 36 credit points from:	
LQB502	Biomedical Work Integrated Learning A
LQB583	Molecular Systems Biology
LQB595	Cellular Engineering
LQB601	Cancer Biology

Code: LS40MJR-HUMBCHE

In this list

- <u>Core units</u>
- Option units

Course Notes Code Title Complete 72 credit points - 36 credit points of core units and 36 credit points of option units

Core units	
Code	Title
LQB381	Biochemistry
LQB481	Biochemical Pathways and Metabolism
LQB681	Biomolecular Research Skills
Option units	
Code	Title

Code	Title
Choose 3	36 credit points from:
LQB502	Biomedical Work Integrated Learning A
LQB581	Biomolecular Control Systems
LQB582	Biomedical Research Technologies

This information is correct as at 04/10/2022. For the most up-to-date course information, visit https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?courseCode=ID28&id=38870. CRICOS No.00213J

LQB682 Biomolecular Design

Code: LS40MJR-HUMPHYS

In this list

- <u>Core units</u>
 - Option units

Course Notes	
Code Title	
Complete 72 credit points - 36 credit points of core units and 36 credit points of option units	
Core units	
Code	Title
36 credit	points comprising:
LQB388	Medical Physiology 1
LQB488	Medical Physiology 2
LQB608	Extreme Physiology
	'
Option units	
Codo	Titlo

Code	Title
Choose 36 credit points from:	
LQB404	Clinical Physiology Professional skills
LQB502	Biomedical Work Integrated Learning A
LQB508	Pathophysiology
LQB571	Neuroscience
LQB600	Pharmacology

Code: LS40MJR-INFDISE

In this list

- <u>Core units</u>
- Option units

Course Notes Code Title Complete 72 credit points - 36 credit points of core units and 36 credit points of option units

Core units	
Code	Title
LQB362	Fundamentals of Microbiology
LQB494	Viruses and Viral Pathogenesis
LQB694	Infectious Disease Outbreaks
Option units	

Code	Title	
Choose 36 credit points from:		
LQB502	Biomedical Work Integrated Learning A	
LQB583	Molecular Systems Biology	
LQB594	Pathogen Diagnosis and Therapeutics	
LQB693	Immunological Approaches for	



Bachelor of Biomedical Science/Bachelor of Mathematics

Infection and Immunity

Code: LS40MNR-ANATSCI

In this list

- <u>Core units</u> Option units

Course Notes Code

Complete 48 credit points - 24 credit points of core units and 24 credit points of option units

Title

Core units	
Code Title	
LQB382	Developmental Anatomy and Tissue Adaptation
LQB482	Anatomical Imaging

Option units		
Code	Title	
Choose 24 credit points from:		
LQB502	Biomedical Work Integrated Learning A	
LQB570	Forensic Anatomy	
LQB571	Neuroscience	
LQB671	Histological Research Techniques	

Code: LS40MNR-CELLMOL

In this list

- Core units
- Option units

Course Notes

Code

Complete 48 credit points - 24 credit points of core units and 24 credit points of option units

Title

Core units		
Code	Title	
LQB385	Molecular Biology and Bioinformatics	
LQB485	Cell Biology	

Option units

Code	Title	
Choose 24 credit points from:		
LQB502	Biomedical Work Integrated Learning A	
LQB583	Molecular Systems Biology	
LQB595	Cellular Engineering	
LQB601	Cancer Biology	
LQB684	Advances in Medical Biotechnology	

Code: LS40MNR-HUMBCHE

- In this list
 - Core units Option units

Course Notes Code

Complete 48 credit points - 24 credit points of core units and 24 credit points of option units

Title

Core units	
Code	Title
LQB381	Biochemistry
LQB481	Biochemical Pathways and Metabolism

Option units Code Title Choose 24 credit points from: **Biomedical Work Integrated** LQB502 Learning A LQB581 **Biomolecular Control Systems Biomedical Research** LQB582 Technologies LQB681 **Biomolecular Research Skills** LQB682 Biomolecular Design

Code: LS40MNR-HUMPHYS

In this list

Core units

Code	Title	
Complete 48 credit points - 24 credit points of core units and 24 credit points of option units		

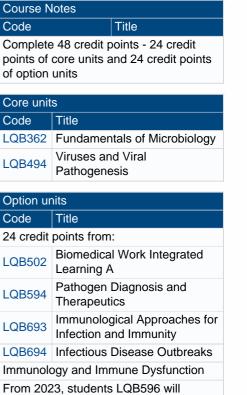
Core units	
Code	Title
LQB388	Medical Physiology 1
LQB488	Medical Physiology 2

Option units		
Code	Title	
24 credit points from:		
LQB404	Clinical Physiology Professional skills	
LQB502	Biomedical Work Integrated Learning A	
LQB508	Pathophysiology	
LQB571	Neuroscience	
LQB600	Pharmacology	
LQB608	Extreme Physiology	

Code: LS40MNR-INFDISE

In this list

- Core units
- Option units



replace LQB583.

Option units

Course Notes

This information is correct as at 04/10/2022. For the most up-to-date course information, visit https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?courseCode=ID28&id=38870. CRICOS No.00213J



Year	2022
QUT code	ID29
CRICOS	103857E
Duration (full-time)	4 years
Duration (part-time domestic)	8 years
ATAR/Selection rank	84.00
Offer Guarantee	Yes
Domestic fee (indicative)	2022: CSP \$10,500 per year full-time (96 credit points)
International fee (indicative)	2022: \$32,700 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	AskQUT askqut@qut.edu.au; +61 7 3138 2000;
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Assumed knowledge

 Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Domestic Course structure

This course combines the Bachelor of Business and the Bachelor of Data Science degrees. The business degree is uniquely designed to inspire students to realise their potential, to think entrepreneurially, and to ethically and sustainably shape the future of business. Students will develop core business capabilities and undertake focused and authentic study in their chosen business discipline. The data science component covers the necessary theory and the practical tools for data acquisition, storage, management, processing, analysis and visualisation. Ethical considerations, communication, collaboration and critical thinking skills are all given first-class coverage.

Course structures will be available soon.

International Course structure

This course combines the Bachelor of Business and the Bachelor of Data Science degrees. The business degree is uniquely designed to inspire students to realise their potential, to think entrepreneurially, and to ethically and sustainably shape the future of business. Students will develop core business capabilities and undertake focused and authentic study in their chosen business discipline. The data science component covers the necessary theory and the practical tools for data acquisition, storage, management, processing, analysis and visualisation. Ethical considerations, communication, collaboration and critical thinking skills are all given first-class coverage.

Course structures will be available soon.

Sample Structure

Semesters

- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
 Year 2 Semester 2
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
 Year 4 Semester 2
- Business Core Option Units

Code	Title			
Year 1 Semester 1				
BSB107	Financial Performance and Responsibility			
BSB108	Business Environment			
Unit from	the other degree component			
Unit from	the other degree component			
Year 1 Se	emester 2			
BSB106	Dynamic Markets			
Select a B	Business Core Option Unit			
Unit from	the other degree component			
Unit from the other degree component				
two Busir	151 is undertaken as one of the less Core Option Units if professional recognition upon n.			
Year 2 Se	emester 1			
AYB106	Accounting Processes and Systems			
BSB105	The Future Enterprise			
Unit from the other degree component				
Unit from	the other degree component			
	the other degree component the other degree component			
	the other degree component			
Unit from	the other degree component			

Unit from the other degree component Unit from the other degree component

Year 3 Semester 1

AYB203	Taxation

BSB152 Financial Management Unit from the other degree component



Unit from the other degree component Unit BSB152 is undertaken as one of the two Business Core Option Units if seeking professional recognition upon graduation. Year 3 Semester 2 AYB230 Corporations Law BSB250 Business Citizenship Unit from the other degree component Unit from the other degree component Year 4 Semester 1 Real World Ready - Business **BSB399** Capstone AYB340 Company Accounting Unit from the other degree component Unit from the other degree component Year 4 Semester 2 AYB301 Audit and Assurance AYB339 Accountancy Capstone Unit from the other degree component Unit from the other degree component **Business Core Option Units** Select one Business Core Option Unit: Undergraduate Business **BSB305** Internship **Experiential Learning: BSB009** Innovation, Ideas and Enterprise Skills **BSB130** Social Enterprises **BSB131 Applied Business Analytics**

Semesters

- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1 .
- Year 2 Semester 2 Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2 .
- **Business Core Option Units**

Code	Title	
Year 1 Se	emester 1	
BSB105	The Future Enterprise	
BSB106	Dynamic Markets	
Unit from the other course component		
Unit from the other course component		
Year 1 Semester 2		
BSB107	Financial Performance and Responsibility	
AMB111	Advertising Works	
Unit from the other course component		
Unit from	the other course component	
Year 2 Semester 1		
BSB108	Business Environment	
AMB200	Understanding how Consumers Think, Feel, and	

	(Mis)Behave
Unit from	the other course component
Unit from	the other course component
Year 2 Se	emester 2
AMB201	Marketing and Audience Analytics
AMB223	Create Advertising
Unit from	the other course component
Unit from	the other course component
Year 3 Se	emester 1
AMB224	Consumers and Media Channels
Select a E	Business Core Option Unit
Unit from	the other course component
Unit from	the other course component
Year 3 Se	emester 2
BSB250	Business Citizenship
Select a B	Business Core Option Unit
Unit from	the other course component
Unit from	the other course component
Year 4 Se	emester 1
AMB299	Marketing Communication
AMB330	Digital Optimisation
Unit from	the other course component
Unit from	the other course component
Year 4 Se	emester 2
BSB399	Real World Ready - Business Capstone
AMB399	Capstone Experience
Unit from	the other course component
Unit from	the other course component
Business	Core Option Units
Select two option un	o units from the following core its:
BSB151	Business Law and Governance
BSB152	Financial Management
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills
BSB305	Undergraduate Business Internship
BSB131	Applied Business Analytics
BSB130	Social Enterprises
BSB131	Undergraduate Business Internship Applied Business Analytics

- Semester 1 (Feburary) .
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Economics Option Units
- **Business Core Option L**
- Semester 2 (July) Entry
- Year 1 Semester 1 (July

Year 2 Semester 2		option units:		Two unit	s from other degree component
Year 3 Semester 1		BSB151	Business Law and	Two unit	s from other degree component
 <u>Year 3 Semester 2</u> Year 4 Semester 1 		DODIOT	Governance	Year 3 S	emester 1
	r 4 Semester 2	BSB152	Financial Management	BSB250	Business Citizenship
	iness Core Option Units	BSB009	Experiential Learning: Innovation, Ideas and		Business Core Option or cs Option Unit
Code			Enterprise Skills		s from other degree component
Year 1 Se		BSB305	Undergraduate Business		s from other degree component
BSB105	The Future Enterprise		Internship	Voor 2 S	emester 2
BSB106	Dynamic Markets	BSB131	Applied Business Analytic	.5	
	the other course component	BSB130	Social Enterprises		Business Core Option or cs Option Unit
	the other course component	Compart		Select a	Business Core Option or
Year 1 Se	emester 2	Semeste			ics Option Unit
BSB107	Financial Performance and Responsibility	 <u>Semester 1 (Feburary) Entry</u> <u>Year 1 Semester 1</u> Year 1 Semester 2 			s from other degree component
AMB111	Advertising Works		r 2 Semester 1		s from other degree component
		Year 2 Semester 2		Year 4 S	emester 1
Unit from the other course component Unit from the other course component		• <u>Yea</u>	<u>r 3 Semester 1</u> r 3 Semester 2	BSB399	Real World Ready - Business Capstone
Year 2 Se	emester 1		r 4 Semester 1	Select a	Business Core Option or
BSB108	Business Environment		<u>r 4 Semester 2</u> nomics Option Units		cs Option Unit
	Understanding how	• Bus	iness Core Option Units	Two unit	s from other degree component
AMB200	Consumers Think, Feel, and		nester 2 (July) Entry	Two unit	s from other degree component
	is correct as at 04/10/2022. For the most up-to-date (4.qut.edu.au/group/student/enrolment/courses/course	course information, vis			niversity eal world

- Year 1 Semester 2 (February)
- Year 2 Semester 1 (July)
- Year 2 Semester 2 (February)
- Year 3 Semester 1 (July)
- Year 3 Semester 2 (February) Year 4 Semester 1 (July)
- Year 4 Semester 2 (February
- **Economics Option Units**
- Business Core Option Units

This course progression relates to

February entry. The course progressoin

Dynamic Markets

Two units from other degree component

Two units from other degree component

Responsibility

BSB108 Business Environment

BSB105 The Future Enterprise

Macroeconomics

Econometrics

Select a Business Core Option or

Two units from other degree component

Two units from other degree component

Introduction to Applied

Microeconomics

Two units from other degree component

Two units from other degree component

Financial Performance and

Title

Semester 1 (Feburary) Entry

for July entry is underneath.

Year 1 Semester 1

Year 1 Semester 2

Year 2 Semester 1

Year 2 Semester 2

Economics Option Unit

Code

BSB106

BSB107

EFB228

EFB229

EFB222

Year 4 Se	emester 2	
EFB338	Contemporary Application of	
	Economic Theory	
	Business Core Option or cs Option Unit	
	from other degree component	
	from other degree component	
	cs Option Units	
	(48cp) from the Economics Unit	
Options li	sted below:	
EFB210	Fundamentals of Finance	
EFB225	Economics for the Real World	
EFB226	Environmental Economics and Policy	
EFB332	Applied Behavioural Economics	
EFB333	Applied Econometrics	
EFB336	International Economics	
EFB337	Game Theory and Applications	
EFB341	Development Economics: An Immersive Experience	
EFB346	Market Structure and Regulation	
EFB349	Macroeconomic Policy	
	Core Option Units	
	o (24cp) units from the	
	Core Options Units:	
DODOOO	Experiential Learning:	
BSB009	Innovation, Ideas and Enterprise Skills	
BSB305	Undergraduate Business Internship	
BSB131	Applied Business Analytics	
BSB130	Social Enterprises	
DOD454	Business Law and	
BSB151	Governance	
	Financial Management	
	r 2 (July) Entry	
This prog (July) ent	ression relates to mid-year	
	emester 1 (July)	
	Financial Performance and	
BSB107	Responsibility	
BSB106	Dynamic Markets	
	from other degree component	
	from other degree component	
Year 1 Semester 2 (February)		
BSB108	Business Environment	
EFB228	Microeconomics	
	from other degree component	
	s from other degree component	
BSB105	emester 1 (July) The Future Enterprise	
EFB229	Macroeconomics	
	from other degree component	

I wo units	s from other degree component
Year 2 Se	emester 2 (February)
EFB222	Introduction to Applied Econometrics
	Business Core Option unit or
	cs Option Unit
	s from other degree component
	from other degree component
	emester 1 (July)
	Business Citizenship
	Business Core Option unit or cs Option Unit
Two units	from other degree component
Two units	from other degree component
Year 3 Se	emester 2 (February)
	Business Core Option unit or cs Option Unit
	Business Core Option unit or cs Option Unit
	s from other degree component
Two units	from other degree component
Year 4 Se	emester 1 (July)
EFB338	Contemporary Application of Economic Theory
	Business Core Option unit or cs Option Unit
Two units	from other degree component
Two units	from other degree component
Year 4 Se	emester 2 (February
Year 4 So BSB399	emester 2 (February Real World Ready - Business Capstone
BSB399 Select a	Real World Ready - Business
BSB399 Select a Economi	Real World Ready - Business Capstone Business Core Option unit or
BSB399 Select a l Economic Two units	Real World Ready - Business Capstone Business Core Option unit or cs Option Unit
BSB399 Select a l Economic Two units	Real World Ready - Business Capstone Business Core Option unit or cs Option Unit from other degree component s from other degree component
BSB399 Select a Economic Two units Economic Select 4	Real World Ready - Business Capstone Business Core Option unit or cs Option Unit s from other degree component
BSB399 Select a Economic Two units Economic Select 4	Real World Ready - Business Capstone Business Core Option unit or cs Option Unit from other degree component from other degree component cs Option Units (48 credit points) from the
BSB399 Select a Economic Two units Two units Economic Select 4 Economic	Real World Ready - Business Capstone Business Core Option unit or cs Option Unit from other degree component from other degree component cs Option Units (48 credit points) from the cs Unit Options List:
BSB399 Select a l Economia Two units Economia Select 4 Economia EFB210	Real World Ready - Business Capstone Business Core Option unit or cs Option Unit from other degree component s from other degree component cs Option Units (48 credit points) from the cs Unit Options List: Fundamentals of Finance
BSB399 Select a l Economia Two units Economia Select 4 Economia EFB210 EFB225	Real World Ready - Business Capstone Business Core Option unit or cs Option Unit from other degree component s from other degree component cs Option Units (48 credit points) from the cs Unit Options List: Fundamentals of Finance Economics for the Real World Environmental Economics and
BSB399 Select a l Economic Two units Economic Select 4 Economic EFB210 EFB225 EFB226	Real World Ready - Business Capstone Business Core Option unit or cs Option Unit from other degree component s from other degree component cs Option Units (48 credit points) from the cs Unit Options List: Fundamentals of Finance Economics for the Real World Environmental Economics and Policy Applied Behavioural
BSB399 Select a l Economia Two units Economia Select 4 Economia EFB210 EFB225 EFB226 EFB332	Real World Ready - Business Capstone Business Core Option unit or cs Option Unit from other degree component s from other degree component cs Option Units (48 credit points) from the cs Unit Options List: Fundamentals of Finance Economics for the Real World Environmental Economics and Policy Applied Behavioural Economics
BSB399 Select a l Economic Two units Economic Select 4 Economic EFB210 EFB225 EFB226 EFB332 EFB333	Real World Ready - Business Capstone Business Core Option unit or cs Option Unit from other degree component from other degree component cs Option Units (48 credit points) from the cs Unit Options List: Fundamentals of Finance Economics for the Real World Environmental Economics and Policy Applied Behavioural Economics Applied Econometrics
BSB399 Select a l Economic Two units Economic Select 4 Economic EFB210 EFB225 EFB226 EFB332 EFB333 EFB336	Real World Ready - Business CapstoneBusiness Core Option unit or cs Option Unita from other degree componenta from other degree componentcs Option Units(48 credit points) from the cs Unit Options List:Fundamentals of FinanceEconomics for the Real WorldEnvironmental Economics and PolicyApplied Behavioural EconomicsApplied EconometricsInternational EconomicsGame Theory and
BSB399 Select a l Economic Two units Economic Select 4 Economic EFB210 EFB225 EFB226 EFB332 EFB333 EFB336 EFB337	Real World Ready - Business CapstoneBusiness Core Option unit or cs Option Unita from other degree componentcs Option Units(48 credit points) from the cs Unit Options List:Fundamentals of FinanceEconomics for the Real WorldEnvironmental Economics and PolicyApplied Behavioural EconomicsApplied EconometricsInternational EconomicsGame Theory and ApplicationsDevelopment Economics: An
BSB399 Select a Economi Two units Economi Select 4 Economi EFB210 EFB225 EFB226 EFB332 EFB333 EFB336 EFB337 EFB341	Real World Ready - Business CapstoneBusiness Core Option unit or cs Option Unita from other degree componenta from other degree componentcs Option Units(48 credit points) from the cs Unit Options List:Fundamentals of FinanceEconomics for the Real WorldEnvironmental Economics and PolicyApplied Behavioural EconomicsApplied EconometricsInternational EconomicsGame Theory and ApplicationsDevelopment Economics: An Immersive ExperienceMarket Structure and Regulation
BSB399 Select a l Economic Two units Economic Select 4 Economic EFB210 EFB225 EFB226 EFB332 EFB333 EFB336 EFB337 EFB341 EFB346 EFB349	Real World Ready - Business CapstoneBusiness Core Option unit or cs Option Unita from other degree componenta from other degree componentcs Option Units(48 credit points) from the cs Unit Options List:Fundamentals of FinanceEconomics for the Real WorldEnvironmental Economics and PolicyApplied Behavioural EconomicsApplied EconometricsInternational EconomicsGame Theory and ApplicationsDevelopment Economics: An Immersive ExperienceMarket Structure and RegulationMacroeconomic Policy
BSB399 Select a l Economic Two units Economic Select 4 Economic EFB210 EFB225 EFB226 EFB333 EFB336 EFB336 EFB337 EFB341 EFB346 EFB349 Business	Real World Ready - Business CapstoneBusiness Core Option unit or cs Option Unita from other degree componenta from other degree componentcs Option Units(48 credit points) from the cs Unit Options List:Fundamentals of FinanceEconomics for the Real WorldEnvironmental Economics and PolicyApplied Behavioural EconomicsApplied EconometricsInternational EconomicsGame Theory and ApplicationsDevelopment Economics: An Immersive ExperienceMarket Structure and Regulation

BSB131	Applied Business Analytics
BSB130	Social Enterprises
BSB151	Business Law and Governance
BSB152	Financial Management
BSB305	Undergraduate Business Internship
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

Semesters

- Year 1 Semester 1
 - Year 1 Semester 2
- Year 2 Semester 1
 Year 2 Semester 2
- Year 3 Semester 1
 Year 3 Semester 2

- Year 4 Semester 1
 Year 4 Semester 2
- Business Core Option Units list

Code	Title
Year 1 Se	emester 1
BSB106	Dynamic Markets
BSB107	Financial Performance and Responsibility
Two units	from other degree component
Two units	from other degree component
Year 1 Se	emester 2
BSB108	Business Environment
EFB231	Economics
Two units	from other degree component
Two units	from other degree component
Year 2 Se	emester 1
BSB105	The Future Enterprise
EFB201	Financial Markets
Two units	from other degree component
Two units	from other degree component
Year 2 Se	emester 2
EFB210	Fundamentals of Finance
EFB222	Introduction to Applied Econometrics
Two units	from other degree component
Two units	from other degree component
Year 3 Se	emester 1
BSB250	Business Citizenship
Select a E	Business Core Option unit
Two units	from other degree component
Two units	from other degree component
Year 3 Se	emester 2
EFB335	Investments
EFB343	Corporate Finance
Two units	from other degree component
Two units	from other degree component
Year 4 Se	emester 1
EFB344	Risk Management and Derivatives



Year 2 Semester 1

EFB360	Finance Capstone	
Two units	from other degree component	
Two units	from other degree component	
Year 4 Se	emester 2	
BSB399	Real World Ready - Business Capstone	
Select a E	Business Core Option Unit	
Two units	from other degree component	
Two units	from other degree component	
Business	Core Option Units list	
Select two units (24cp) from the Business Core Options Units:		
BSB151	Business Law and Governance	
BSB152	Financial Management	
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills	
BSB305	Undergraduate Business Internship	
BSB131	Applied Business Analytics	
BSB130	Social Enterprises	

Semesters

- Semester 1 (February) Entry
- Year 1 Semester 1
- Year 1 Semester 2
 Year 2 Semester 1
 Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Business Core Option Units:
- Semester 2 (July) Entry
- ٠ Year 1 Semester 1 (July)
- Year 1 Semester 2 (February) ٠
- ٠ Year 2 Semester 1 (July)
- Year 2 Semester 2 (February)
- Year 3 Semster 1 (July) Year 3 Semester 2 (February) •
- •
- Year 4 Semester 1 (July) • ٠
- Year 4 Semester 2 (February) ٠ **Business Core Option Units list:**

Code Title

Semester 1 (February) Entry		
This course progression relates to February entry. The course progression		
for July e	ntry is underneath.	
Year 1 Semester 1		
BSB107	Financial Performance and Responsibility	
BSB108	Business Environment	
Two units from other degree component		
Two units from other degree component		
Year 1 Semester 2		
BSB105	The Future Enterprise	
BSB106	Dynamic Markets	
Two units from other degree component		

Two units from other degree component

This information is correct as at 04/10/2022. For the most up-to-date course information, visit
https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?courseCode=ID29&id=38697. CRICOS No.00213J

real 2 Se		
	Business Core Option Unit	
Select a Business Core Option Unit		
Two units from other degree component		
Two units from other degree component		
	seeking professional	
	n must undertake BSB151 as	
	Business Core Option units	
Year 2 Se		
AYB203		
EFB210	Fundamentals of Finance	
	from other degree component	
	from other degree component	
Year 3 Se	emester 1	
AYB250	Personal Financial Planning	
BSB250	Business Citizenship	
Two units	from other degree component	
Two units	from other degree component	
Year 3 Se	emester 2	
AYB232	Financial Services Regulation and Law	
AYB240	Superannuation and Retirement Planning	
Two units	from other degree component	
	from other degree component	
Year 4 Se	• .	
	Insurance, Risk Management	
EFB227	and Estate Planning	
EFB345	Managing Investments and Client Relationships	
Two units	from other degree component	
Two units	from other degree component	
Year 4 Se	emester 2	
AYB346	Financial Plan Construction (Capstone)	
BSB399	Real World Ready - Business Capstone	
Two units	from other degree component	
Two units	from other degree component	
Business	Core Option Units:	
	Experiential Learning:	
BSB009	Innovation, Ideas and Enterprise Skills	
BSB305	Undergraduate Business Internship	
BSB131	Applied Business Analytics	
BSB130	Social Enterprises	
BSB151	Business Law and Governance	
BSB152	Financial Management	
	2 (July) Entry	
	ression relates to mid-year	
(July) ent		
	emester 1 (July)	
	Financial Performance and	
BSB107	Responsibility	

D0D400	
BSB108	
	from other degree component
	from other degree component
	emester 2 (February)
	The Future Enterprise
	Business Core Option Unit
	from other degree component
	from other degree component
	seeking professional on must undertake BSB151 as
•	e Business Core Option units.
	emester 1 (July)
	Dynamic Markets
EFB210	Fundamentals of Finance
	from other degree component
	from other degree component
	emester 2 (February)
	Personal Financial Planning
AYB203	Taxation
	from other degree component
	from other degree component
	emster 1 (July)
	Superannuation and
AYB240	Retirement Planning
BSB250	Business Citizenship
Two units	from other degree component
	from other degree component
	emester 2 (February)
	Insurance, Risk Management
EFB227	and Estate Planning
EFB345	Managing Investments and Client Relationships
Two units	from other degree component
	from other degree component
	emester 1 (July)
	Financial Services Regulation
AYB232	and Law
AYB346	Financial Plan Construction
Ture	(Capstone)
	from other degree component
	from other degree component
Year 4 Se	emester 2 (February)
BSB399	Real World Ready - Business Capstone
Select a l	Business Core Option Unit.
Two units	from other degree component
Two units	from other degree component
Business	Core Option Units list:
Select tw Option lis	o units from the Business Core t below:
BSB152	Financial Management
BSB131	Applied Business Analytics
BSB130	Social Enterprises
202100	Experiential Learning:
BSB009	Innovation, Ideas and
the u	niversity



	Enterprise Skills
BSB305	Undergraduate Business Internship
BSB151	Business Law and Governance

Semesters

- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1 Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2 Business Core Option Units:
- Code Title Year 1 Semester 1 BSB105 The Future Enterprise BSB108 Business Environment Two units from other degree component. Two units from other degree component. Year 1 Semester 2 **BSB106** Dynamic Markets MGB13 Managing People 0 Two units from other degree component. Two units from other degree component. Year 2 Semester 1 Financial Performance and **BSB107** Responsibility MGB13 Introducing Human Resource Management 1 Two units from other degree component. Two units from other degree component. Year 2 Semester 2 MGB13 Obligations and Options for 2 **Employing People** Select a unit from the Business Core Option Unit list. Two units from other degree component. Two units from other degree component. Year 3 Semester 1 MGB23 Recruiting and Selecting 0 People BSB250 Business Citizenship Two units from other degree component. Two units from other degree component. Year 3 Semester 2 MGB23 **Developing Talent** 1 MGB23 Managing Performance and Rewards 2 Two units from other degree component. Two units from other degree component.

Year 4 Semester 1

Contemporary Issues in

Human Resource

MGB37

1

Select a unit from the Business Core Options list.			
Two units from other degree component.			
Two units from other degree component.			
Year 4 Semester 2			
MGB37 2	Creating Value through People		
BSB399	Real World Ready - Business Capstone		
Two units	Two units from other degree component.		
Two units	from other degree component.		
Business Core Option Units:			
Select two units (24cp) from the Business Core Options Units listed below:			
Business			
Business			
Business below:	Core Options Units listed Experiential Learning: Innovation, Ideas and		
Business below: BSB009	Core Options Units listed Experiential Learning: Innovation, Ideas and Enterprise Skills		
Business below: BSB009 BSB130	Core Options Units listed Experiential Learning: Innovation, Ideas and Enterprise Skills Social Enterprises		
Business below: BSB009 BSB130 BSB131	Core Options Units listed Experiential Learning: Innovation, Ideas and Enterprise Skills Social Enterprises Applied Business Analytics Undergraduate Business		

Management

S

Financial Management
rs
ester 1 (February) Entry
1, Semester 1
<u>1, Semester 2</u>
<u>r 2, Semester 1</u>
<u>r 2, Semester 2</u>
<u>r 3, Semester 1</u>
<u>r 3, Semester 2</u>
<u>4, Semester 1</u>
<u>r 4, Semester 2</u>
<u>e Options Units</u>
ester 2 (July) Entry
<u>1 Semester 1 (July)</u>
<u>r 1 Semester 2 (February)</u>
<u>r 2 Semester 1 (July)</u>
<u>2 Semester 2 (February)</u>
<u>r 3 Semester 1 (July)</u>
<u>r 3 Semester 2 (February)</u>
<u>r 4 Semester 1 (July)</u>
<u>r 4 Semester 2 (February)</u>

Code Title

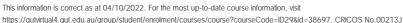
Semester 1 (February) Entry

Semester 1 and Semester 2 commencement follow different core progressions. The Semester 2 (mid-year July) entry course progression is presented below the Semester 1 (February) entry course progression. Veer 4 Ce

rear r, S	emester i
BSB106	Dynamic Markets
BSB108	Business Environment
Unit from	the other degree component
Unit from	the other degree component
Year 1, S	emester 2

BSB105	The Future Enterprise
AMB110	Internationalisation
Unit from	the other degree component
Unit from	the other degree component
Year 2, S	emester 1
BSB107	Financial Performance and Responsibility
MGB22 5	Intercultural Communication and Negotiation Skills
Unit from	the other degree component
Unit from	the other degree component
Year 2, S	emester 2
AYB227	International Accounting
Select a E	Business Core Option Unit.
Unit from	the other degree component
Unit from	the other degree component
	emester 1
MGB34 0	International Business in the Asia-Pacific
BSB250	Business Citizenship
Unit from	the other degree component
Unit from	the other degree component
Year 3, S	emester 2
EFB240	Finance for International Business
AMB303	International Logistics
Unit from	the other degree component
	the other degree component
Year 4, S	emester 1
BSB399	Real World Ready - Business Capstone
AMB336	International Marketing
	the other degree component
	the other degree component
	emester 2
	Capstone Experience
Select a u Options L	unit from the Business Core ist.
	the other degree component
	the other degree component
-	ions Units
Select two the follow	o units (24 credit points) from ing:
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
DODUUU	
BSB151	Business Law and Governance
	Business Law and
BSB151 BSB152	Business Law and Governance Financial Management Experiential Learning:
BSB151	Business Law and Governance Financial Management
BSB151 BSB152 BSB009	Business Law and Governance Financial Management Experiential Learning: Innovation, Ideas and
BSB151 BSB152 BSB009 Semester	Business Law and Governance Financial Management Experiential Learning: Innovation, Ideas and Enterprise Skills

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year (July) commencement.		
Year 1 Se	emester 1 (July)	
BSB106	Dynamic Markets	
BSB108	Business Environment	
Unit from	the other degree component	
Unit from	the other degree component	
Year 1 Se	emester 2 (February)	
BSB105	The Future Enterprise	
AMB110	Internationalisation	
Unit from	the other degree component	
Unit from	the other degree component	
Year 2 Se	emester 1 (July)	
BSB107	Financial Performance and Responsibility	
MGB22 5	Intercultural Communication and Negotiation Skills	
Unit from	the other degree component	
	the other degree component	
	emester 2 (February)	
	International Accounting	
	Business Core Option unit	
	the other degree component	
	the other degree component	
••	and caner adgree component	
Year 3 Se	emester 1 (Julv)	
	emester 1 (July) Finance for International	
EFB240	Finance for International Business	
	Finance for International Business	
EFB240 MGB34 0	Finance for International Business International Business in the	
EFB240 MGB34 0 Unit from	Finance for International Business International Business in the Asia-Pacific	
EFB240 MGB34 0 Unit from Unit from	Finance for International Business International Business in the Asia-Pacific the other degree component	
EFB240 MGB34 0 Unit from Unit from Year 3 Se	Finance for International Business International Business in the Asia-Pacific the other degree component the other degree component	
EFB240 MGB34 0 Unit from Unit from Year 3 Se	Finance for International Business International Business in the Asia-Pacific the other degree component the other degree component emester 2 (February) International Logistics	
EFB240 MGB34 0 Unit from Unit from Year 3 Se AMB303 BSB250	Finance for International Business International Business in the Asia-Pacific the other degree component the other degree component emester 2 (February) International Logistics	
EFB240 MGB34 0 Unit from Year 3 Se AMB303 BSB250 Unit from	Finance for International Business International Business in the Asia-Pacific the other degree component the other degree component emester 2 (February) International Logistics Business Citizenship	
EFB240 MGB34 0 Unit from Year 3 Se AMB303 BSB250 Unit from Unit from	Finance for International Business International Business in the Asia-Pacific the other degree component the other degree component emester 2 (February) International Logistics Business Citizenship the other degree component	
EFB240 MGB34 0 Unit from Vear 3 Se AMB303 BSB250 Unit from Vear 4 Se	Finance for International Business International Business in the Asia-Pacific the other degree component the other degree component emester 2 (February) International Logistics Business Citizenship the other degree component the other degree component	
EFB240 MGB34 0 Unit from Year 3 Se AMB303 BSB250 Unit from Unit from Year 4 Se AMB336	Finance for International Business International Business in the Asia-Pacific the other degree component the other degree component emester 2 (February) International Logistics Business Citizenship the other degree component the other degree component emester 1 (July)	
EFB240 MGB34 0 Unit from Year 3 Se AMB303 BSB250 Unit from Unit from Year 4 Se AMB336 Select a B	Finance for International Business International Business in the Asia-Pacific the other degree component the other degree component emester 2 (February) International Logistics Business Citizenship the other degree component the other degree component the other degree component the other degree component	
EFB240 MGB34 0 Unit from Year 3 Se AMB303 BSB250 Unit from Year 4 Se AMB336 Select a B Unit from	Finance for International Business International Business in the Asia-Pacific the other degree component the other degree component emester 2 (February) International Logistics Business Citizenship the other degree component the other degree component emester 1 (July) International Marketing Business Core Option unit	
EFB240 MGB34 0 Unit from Year 3 Se AMB303 BSB250 Unit from Unit from Year 4 Se AMB336 Select a I Unit from Unit from	Finance for International Business International Business in the Asia-Pacific the other degree component the other degree component emester 2 (February) International Logistics Business Citizenship the other degree component the other degree component emester 1 (July) International Marketing Business Core Option unit the other degree component	
EFB240 MGB34 0 Unit from Year 3 Se AMB303 BSB250 Unit from Unit from Year 4 Se AMB336 Select a I Unit from Unit from	Finance for International Business International Business in the Asia-Pacific the other degree component the other degree component emester 2 (February) International Logistics Business Citizenship the other degree component the other degree component emester 1 (July) International Marketing Business Core Option unit the other degree component the other degree component	
EFB240 MGB34 0 Unit from Year 3 Se AMB303 BSB250 Unit from Unit from Year 4 Se AMB336 Select a B Unit from Unit from Year 4 Se	Finance for International Business International Business in the Asia-Pacific the other degree component the other degree component emester 2 (February) International Logistics Business Citizenship the other degree component the other degree component emester 1 (July) International Marketing Business Core Option unit the other degree component the other degree component	
EFB240 MGB34 0 Unit from Year 3 Se AMB303 BSB250 Unit from Unit from Unit from Vear 4 Se AMB336 Select a B Unit from Unit from Year 4 Se AMB399 BSB399	Finance for International Business International Business in the Asia-Pacific the other degree component the other degree component emester 2 (February) International Logistics Business Citizenship the other degree component the other degree component emester 1 (July) International Marketing Business Core Option unit the other degree component the other degree component	
EFB240 MGB34 0 Unit from Year 3 Se AMB303 BSB250 Unit from Year 4 Se AMB336 Select a B Unit from Year 4 Se AMB399 BSB399 Unit from	Finance for International Business International Business in the Asia-Pacific the other degree component the other degree component emester 2 (February) International Logistics Business Citizenship the other degree component the other degree component	

Semesters

- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
 Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Business Core Option Unit List

Code	Title
Year 1 Se	emester 1
BSB105	The Future Enterprise
BSB108	Business Environment
Unit from	the other degree component
Unit from	the other degree component
Year 1 Se	emester 2
BSB107	Financial Performance and Responsibility
MGB13 0	Managing People
Unit from	the other degree component
Unit from	the other degree component
Year 2 Se	emester 1
BSB106	Dynamic Markets
Select a l	Business Core Option Unit
Unit from	the other degree component
Unit from	the other degree component
Year 2 Se	emester 2
MGB13 3	Managing Strategy
	e of the following two units:
MGB23 3	Entrepreneurship
MGB23 4	Managing Knowledge, Innovation, and Creativity
Unit from	the other degree component
Unit from	the other degree component
Year 3 Se	emester 1
MGB23 5	Monitoring and Managing Operational Performance
BSB250	Business Citizenship
Unit from	the other degree component
Unit from	the other degree component
Year 3 Se	emester 2
MGB23 6	Identifying and Managing Risk
	Business Core Option Unit
	•
	the other degree component
Unit from	the other degree component the other degree component
Unit from	the other degree component the other degree component emester 1
Unit from	the other degree component the other degree component
Unit from Year 4 Se	the other degree component the other degree component emester 1 Real World Ready - Business
Unit from Year 4 Se BSB399 MGB23 7	the other degree component the other degree component emester 1 Real World Ready - Business Capstone Managing Projects for
Unit from Year 4 So BSB399 MGB23 7 Unit from	the other degree component the other degree component emester 1 Real World Ready - Business Capstone Managing Projects for Performance
Unit from Year 4 So BSB399 MGB23 7 Unit from Unit from	the other degree component the other degree component emester 1 Real World Ready - Business Capstone Managing Projects for Performance the other degree component
Unit from Year 4 So BSB399 MGB23 7 Unit from Unit from	the other degree component the other degree component emester 1 Real World Ready - Business Capstone Managing Projects for Performance the other degree component the other degree component
Unit from Year 4 Se BSB399 MGB23 7 Unit from Unit from Year 4 Se MGB34	the other degree component the other degree component emester 1 Real World Ready - Business Capstone Managing Projects for Performance the other degree component the other degree component emester 2 Implementing Sustainable
Unit from Year 4 Se BSB399 MGB23 7 Unit from Unit from Year 4 Se MGB34 8 MGB34 9	the other degree component the other degree component emester 1 Real World Ready - Business Capstone Managing Projects for Performance the other degree component the other degree component emester 2 Implementing Sustainable Change Creating Strategic Solutions for Sustainable Business

Business Core Option Unit List Select two from the following Business Core Option Units: **Experiential Learning: BSB009** Innovation, Ideas and **Enterprise Skills Undergraduate Business BSB305** Internship Business Law and **BSB151** Governance BSB130 Social Enterprises BSB152 **Financial Management BSB131 Applied Business Analytics Semesters** Year 1 Semester 1 Year 1 Semester 2 Year 2 Semester 1

Year 2 Semester 2

 Yea 	r 3 Semester 1
- V	<u>r 3 Semester 2</u>
• <u>Yea</u>	r 4 Semester 1
 <u>rea</u> Note 	<u>r 4 Semester 2</u> es
 Mar 	keting Streams
• <u>Busi</u>	iness Core Option Units
Code	Title
Year 1 Se	emester 1
BSB105	The Future Enterprise
BSB106	Dynamic Markets
Unit from	the other degree component
Unit from	the other degree component
Year 1 Se	emester 2
BSB107	Financial Performance and Responsibility
AMB140	Marketplace Simulation
Unit from	the other degree component
Unit from	the other degree component
Year 2 Se	emester 1
BSB108	Business Environment
Select a l	Business Environment Business Core Option Unit or a g Stream Unit
Select a I Marketing	Business Core Option Unit or a
Select a I Marketing Unit from	Business Core Option Unit or a g Stream Unit
Select a I Marketing Unit from Unit from	Business Core Option Unit or a g Stream Unit the other degree component
Select a I Marketing Unit from Unit from Year 2 Se	Business Core Option Unit or a g Stream Unit the other degree component the other degree component
Select a I Marketing Unit from Year 2 Se AMB200 Select a I	Business Core Option Unit or a g Stream Unit the other degree component the other degree component emester 2 Understanding how Consumers Think, Feel, and
Select a I Marketing Unit from Year 2 Se AMB200 Select a I Marketing	Business Core Option Unit or a g Stream Unit the other degree component the other degree component emester 2 Understanding how Consumers Think, Feel, and (Mis)Behave Business Core Option Unit or a
Select a I Marketing Unit from Year 2 Se AMB200 Select a I Marketing Unit from	Business Core Option Unit or a g Stream Unit the other degree component the other degree component emester 2 Understanding how Consumers Think, Feel, and (Mis)Behave Business Core Option Unit or a g Stream Unit
Select a I Marketing Unit from Year 2 Se AMB200 Select a I Marketing Unit from	Business Core Option Unit or a g Stream Unit the other degree component the other degree component emester 2 Understanding how Consumers Think, Feel, and (Mis)Behave Business Core Option Unit or a g Stream Unit the other degree component the other degree component
Select a I Marketing Unit from Year 2 Se AMB200 Select a I Marketing Unit from Unit from	Business Core Option Unit or a g Stream Unit the other degree component the other degree component emester 2 Understanding how Consumers Think, Feel, and (Mis)Behave Business Core Option Unit or a g Stream Unit the other degree component the other degree component
Select a I Marketing Unit from Year 2 Se AMB200 Select a I Marketing Unit from Year 3 Se	Business Core Option Unit or a g Stream Unit the other degree component the other degree component emester 2 Understanding how Consumers Think, Feel, and (Mis)Behave Business Core Option Unit or a g Stream Unit the other degree component the other degree component the other degree component emester 1 Marketing and Audience Analytics



Unit from the other degree component

This information is correct as at 04/10/2022. For the most up-to-date course information, visit https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?course?code=ID29&id=38697. CRICOS No.00213J

Bacher	or of Business/Bachelor of
Year 3 Se	emester 2
BSB250	Business Citizenship
AMB340	Marketing Service
AIVID340	Experiences
Unit from	the other degree component
Unit from	the other degree component
Year 4 Se	emester 1
AMB399	Capstone Experience
	Business Core Option Unit or a g Stream Unit
Unit from	the other degree component
Unit from	the other degree component
Year 4 Se	emester 2
BSB399	Real World Ready - Business Capstone
	Business Core Option Unit or a g Stream Unit
Unit from	the other degree component
Unit from	the other degree component
Notes	
Select a l	Business Core Option Unit or a
Marketing	g Stream Unit appears in this
	four times to provide flexibility
	students can undertake their
	vo (2) Business Core Option I two (2) Marketing Stream
units	
Marketing	g Streams
-	o units (24 credit points) from
the Marke	eting Streams. Units may be from one stream or from
-	er Insight Through Data Stream
Consume	Analysis for Consumer
AMB305	Insights
AMB306	Designing Consumer Research
Marketing	g Through Innovation Stream
AMB211	Branding for the Real World
AMB251	Designing Innovative Goods and Services
Marketing	g Across Borders Stream
AMB120	Bridging Cultures
AMB336	International Marketing
Leisure Ir	ndustry Marketing Stream
AMB207	Entertainment Marketing in a Digital World
AMB209	Designing a Competitive Tourism Strategy
Social Ch Stream	hange Through Marketing
AMB255	Avoiding the Dark Side: Marketing, Ethics and Society
AMB355	Marketing Behavioural and Social Change
Business	Core Option Units
	o untis from the following
	Core Options list:

BSB305	Undergraduate Business Internship
BSB151	Business Law and Governance
BSB152	Financial Management
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

Semesters

- Semester 1 (February) Entry
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Business Core Options List
- Semester 2 (July) Entry
- Year 1 Semester 1 (July)
- Year 1 Semester 2 (February)
- Year 2 Semester 1 (July)
- Year 2 Semester 2 (February)
- Year 3 Semester 1 (July)
- Year 3 Semester 2 (February)
- Year 4 Semester 1 (July)
- Year 4 Semester 2 (February)

Code Title

Semester 1 (February) Entry

There are different course progressions for Semester 1 (February) and Semester 2 (July) commencement. This is the Semester 1 entry course progression. The Semester 2 (July) entry course progression is presented below that. Year 1 Semester 1 BSB105 The Future Enterprise BSB108 Business Environment Unit from other degree component Unit from other degree component Year 1 Semester 2 BSB106 Dynamic Markets Introduction to Public AMB163 Relations Unit from other degree component Unit from other degree component Year 2 Semester 1 Financial Performance and **BSB107** Responsibility AMB164 Media Relations and Publicity Unit from other degree component Unit from other degree component Year 2 Semester 2 AMB299 Marketing Communication Marketing and Audience AMB201 Analytics

Unit from other degree component Year 3 Semester 1 Issues, Stakeholders and AMB373 Reputation Select a Business Core Option Unit Unit from other degree component Unit from other degree component Year 3 Semester 2 **BSB250 Business Citizenship** Internal Communication and AMB375 Change Unit from other degree component Unit from other degree component Year 4 Semester 1 AMB374 Global Public Relations Cases Real World Ready - Business **BSB399** Capstone Unit from other degree component Unit from other degree component Year 4 Semester 2 AMB399 Capstone Experience Select a Business Core Option Unit Unit from other degree component Unit from other degree component **Business Core Options List** Select two of the following Business Core Option Units: **Experiential Learning: BSB009** Innovation, Ideas and **Enterprise Skills** Undergraduate Business **BSB305** Internship **BSB130** Social Enterprises BSB131 **Applied Business Analytics** Business Law and **BSB151** Governance BSB152 Financial Management Semester 2 (July) Entry The below course progression is for midyear (July) commencement. Year 1 Semester 1 (July) BSB105 The Future Enterprise BSB108 **Business Environment** Unit from other degree component Unit from other degree component Year 1 Semester 2 (February) BSB106 Dynamic Markets Introduction to Public AMB163 Relations Unit from other degree component Unit from other degree component Year 2 Semester 1 (July) Financial Performance and **BSB107**

Unit from other degree component



Responsibility

AMB164	Media Relations and Publicity			
Unit from other degree component				
Unit from	Unit from other degree component			
Year 2 Se	emester 2 (February)			
AMB299	Marketing Communication			
AMB201	Marketing and Audience Analytics			
Unit from	other degree component			
Unit from other degree component				
Year 3 Se	emester 1 (July)			
BSB250	Business Citizenship			
Select a E	Business Core Option Unit			
Unit from other degree component				
Unit from	other degree component			
Year 3 Se	emester 2 (February)			
AMB374	Global Public Relations Cases			
AMB373	Issues, Stakeholders and Reputation			
Unit from	Reputation			
Unit from Unit from	Reputation other degree component			
Unit from Unit from	Reputation other degree component other degree component			
Unit from Unit from Year 4 Se	Reputation other degree component other degree component emester 1 (July) Real World Ready - Business			
Unit from Unit from Year 4 Se BSB399 AMB375	Reputation other degree component other degree component emester 1 (July) Real World Ready - Business Capstone Internal Communication and			
Unit from Unit from Year 4 Se BSB399 AMB375 Unit from	Reputation other degree component other degree component emester 1 (July) Real World Ready - Business Capstone Internal Communication and Change			
Unit from Unit from Year 4 Se BSB399 AMB375 Unit from Unit from	Reputation other degree component other degree component emester 1 (July) Real World Ready - Business Capstone Internal Communication and Change other degree component			
Unit from Year 4 Se BSB399 AMB375 Unit from Unit from Year 4 Se	Reputation other degree component other degree component emester 1 (July) Real World Ready - Business Capstone Internal Communication and Change other degree component other degree component			
Unit from Year 4 Se BSB399 AMB375 Unit from Unit from Year 4 Se AMB399	Reputation other degree component other degree component emester 1 (July) Real World Ready - Business Capstone Internal Communication and Change other degree component other degree component emester 2 (February)			
Unit from Vear 4 Se BSB399 AMB375 Unit from Unit from Year 4 Se AMB399 Select a E	Reputation other degree component other degree component emester 1 (July) Real World Ready - Business Capstone Internal Communication and Change other degree component other degree component other degree component emester 2 (February) Capstone Experience			



Year	2022
QUT code	ID30
CRICOS	103858D
Duration (full-time)	4 years
Duration (part-time domestic)	8 years
ATAR/Selection rank	84.00
Offer Guarantee	Yes
Domestic fee (indicative)	2022: CSP \$8,900 per year full-time (96 credit points)
International fee (indicative)	2022: \$33,300 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	AskQUT askqut@qut.edu.au; +61 7 3138 2000;
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- · Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Assumed knowledge

 Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Domestic Course structure

This course allows students to combine their interest in the property industry in the Australian and international economy with a data science degree and graduate with a diverse set of skills to enhance employment options in both fields. Across this double degree, students benefit from meaningful connections with high profile industry employers, practical and effective hands-on learning experiences during their studies, classes with leading and expert teachers, international study and placement opportunities, and the convenience of a city-based campus.

International Course structure

This course allows students to combine their interest in the property industry in the Australian and international economy with a data science degree and graduate with a diverse set of skills to enhance employment options in both fields. Across this double degree, students benefit from meaningful connections with high profile industry employers, practical and effective hands-on learning experiences during their studies, classes with leading and expert teachers, international study and placement opportunities, and the

convenience of a city-based campus.

Sample Structure

Semesters

- Year 1, Semester 1
- Year 1, Semester 2 ٠
- Year 2, Semester 1 Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1 Year 4, Semester 2

Code	Title		
Year 1, S	emester 1		
USB142	Residential Valuation		
EFB231	Economics		
Data Science Unit			
Data Science Unit			
Year 1, S	emester 2		
USB145	Property Transactions		
USB144	Investment Valuation		
Data Science Unit			
Data Science Unit			
Year 2, S	emester 1		
USB143	Money and Wealth		
UXB110	Residential Construction		
Data Scie	ence Unit		
Data Scie	ence Unit		
	emester 2		
USB141	Building Big		
UXB134	Land Use Planning		
Data Scie	ence Unit		
Data Scie	ence Unit		
Year 3, S	emester 1		
USB240	Market Analysis		
USB247	Money and Property		
Data Scie	ence Unit		
Data Scie	ence Unit		
Year 3, S	emester 2		
USB244	Asset Performance		
USB245	Property Investment Analysis		
Data Scie	ence Unit		
Data Science Unit			
	emester 1		
USB300	Property Development		
USB345	Specialised Valuation		
Data Science Unit			
Data Science Unit			
Year 4, S	emester 2		
USB344	Property Project		
BSB305	Undergraduate Business Internship		
Data Scie	Data Science Unit		



Data Science Unit

Semesters

- Year 1, Semester 1 (Jul)
- Year 1, Semester 2 (Feb)
- Year 2, Semester 1 (Jul)
- Year 2, Semester 2 (Feb)
 Year 3, Semester 1 (Jul)
- Year 3, Semester 1 (Jul)
 Year 3, Semester 2 (Feb)
- Year 4, Semester 1 (Jul)
- Year 4, Semester 2 (Feb)

	Title	
	emester 1 (Jul)	
USB142	Residential Valuation	
USB145	Property Transactions	
Data Scie	ence Unit	
Data Scie	ence Unit	
Year 1, S	emester 2 (Feb)	
EFB231	Economics	
USB143	Money and Wealth	
Data Scie	ence Unit	
Data Scie	ence Unit	
Year 2, S	emester 1 (Jul)	
	Investment Valuation	
USB141	Building Big	
Data Scie		
Data Scie	ence Unit	
Year 2, S	emester 2 (Feb)	
	Residential Construction	
	Market Analysis	
Data Scie	-	
Data Scie	ence Unit	
Year 3, S	emester 1 (Jul)	
	Land Use Planning	
	Asset Performance	
Data Scie		
Data Scie	ence Unit	
Year 3, S	emester 2 (Feb)	
	Money and Property	
	Property Development	
Data Scie		
Data Scie		
Year 4. S	emester 1 (Jul)	
	Property Investment Analysis	
USB344	Property Project	
Data Scie		
Data Science Unit		
	emester 2 (Feb)	
USB345	Specialised Valuation	
	Undergraduate Business	
BSB305	Internship	

Data Science Unit Data Science Unit



Year	2022
QUT code	ID31
CRICOS	103859C
Duration (full-time)	4 years
Duration (part-time domestic)	8 years
ATAR/Selection rank	84.00
Offer Guarantee	Yes
Domestic fee (indicative)	2022: CSP \$8,900 per year full-time (96 credit points)
International fee (indicative)	2022: \$33,300 per year full-time (96 credit points)
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Credit points full-time sem.	48
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Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Phone +61 7 3138 2000; email: askqut@qut.edu.au;
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

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Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

In order to complete this course, you must complete a total of 384 credit points, made up of 192 credit points from the Bachelor of Communication and 192 credit points from the Bachelor of Data Science. You will undertake the two components of the double degree concurrently.

Communication component

You will complete:

- four core units (48 credit points)
- a communication major (144 credit points) from one of the following disciplines: Digital Media, Entertainment Industries, Journalism, or Professional Communication.

Data science component

You will complete 192 credit points of Data Science core units.

Study overseas

Study overseas while earning credit towards your QUT degree with one of our worldwide exchange partners.

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either

degree area, depending on how they match with your QUT course.

International Course structure

In order to complete this course, you must complete a total of 384 credit points, made up of 192 credit points from the Bachelor of Communication and 192 credit points from the Bachelor of Data Science. You will undertake the two components of the double degree concurrently.

Communication component

You will complete:

 four core units (48 credit points) • a communication major (144 credit points) from one of the following disciplines: Digital Media, Entertainment Industries. Journalism, or Professional Communication.

Data science component

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Sample Structure **Semesters**

- Semester 1 (February) commencements
- Year 1, Semester 1
- . Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2 •
- Year 3, Semester 1 •
- Year 3, Semester 2 •
- Year 4, Semester 1 .
- Year 4, Semester 2 •
- Semester 2 (July) commencements ٠
- Year 1, Semester 2 Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1 .
- Year 4, Semester 2
- Year 5, Semester 1

Code Title

Semester 1 (February) commencements Year 1, Semester 1



Bachelor of Communication/Bachelor of Data Science

CYB101	Introduction to Communication
CYB102	Introduction to Media and Entertainment Industries
Data Scie	nce Unit
Data Scie	ence Unit
Year 1, S	emester 2
CYB103	Communication Theory and Practice
CYB104	Managing Social Media
Data Scie	nce Unit
Data Scie	nce Unit
	dents considering studying
	in Year 2 Semester 2 must
	1 November.
Year 2, S	
	Media Issues and Debates
	Understanding Audiences
Data Scie	
Data Scie	
	emester 2
CCB102	Multi-Media Design
CYB106	Global Media and Entertainment Industries
Data Scie	nce Unit
Data Scie	ence Unit
Year 3, S	emester 1
CCB200	Digital Platforms
CCB202	Social Media, Self and Society
Data Scie	nce Unit
Data Scie	nce Unit
Year 3, S	emester 2
CCB201	Australian Media
CCB204	Communication Planning and Practice
Data Scie	nce Unit
Data Scie	nce Unit
Year 4, S	emester 1
	Communication Research
CCB301	Methods
	rom the Work Integrated Unit Options List (KKB341 or
KKB341	Work Integrated Learning 1
KKB350	Creative Industries Study Tour
Data Scie	nce Unit
Data Science Unit	
Year 4. S	emester 2
	Digital Media Analytics
CCB303	Digital Media Project
Data Scie	
Data Science Unit	
	2 (July) commencements
	emester 2
CYB103	Communication Theory and

	Practice	
CYB104	Managing Social Media	
Data Science Unit		
Data Scie	ence Unit	
Year 2, S	emester 1	
CYB101	Introduction to Communication	
CYB102	Introduction to Media and Entertainment Industries	
Data Scie	ence Unit	
Data Scie	ence Unit	
	dents considering studying in Year 3 Semester 1 must 1 June.	
Year 2, S	emester 2	
CCB102	Multi-Media Design	
CYB106	Global Media and Entertainment Industries	
Data Scie	ence Unit	
Data Scie	ence Unit	
Year 3, S	emester 1	
CCB101	Media Issues and Debates	
CYB105	Understanding Audiences	
Data Scie	ence Unit	
Data Scie	ence Unit	
Year 3, S	emester 2	
CCB201	Australian Media	
CCB204	Communication Planning and Practice	
Data Scie	ence Unit	
Data Scie		
	emester 1	
	Digital Platforms	
	Social Media, Self and Society	
Data Scie		
Data Scie		
	emester 2	
CCB302	Digital Media Analytics	
CCB303	Digital Media Project	
Data Scie		
Data Scie		
Year 5, S	emester 1	
CCB301	Communication Research Methods	
One unit from the Work Integrated Learning Unit Options List (KKB341 or KKB350):		
KKB341	Work Integrated Learning 1	
KKB350	Creative Industries Study Tour	
Data Scie	ence Unit	
Data Science Unit		
Semeste	ers	

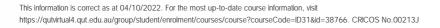
 <u>Semester 1 (February)</u> <u>commencements</u>
 <u>Year 1, Semester 1</u>

	<u>r 2, Semester 1</u>
• <u>Yea</u>	r 2, Semester 2
	r <u>3, Semester 1</u> r <u>3, Semester 2</u>
• Yea	r 4, Semester 1
• <u>Yea</u>	<u>r 4, Semester 2</u>
	nester 2 (July) commencements
	r 1, Semester 2 r 2, Semester 1
	<u>r 2, Semester 2</u>
	r 3, Semester 1
• <u>Yea</u>	<u>r 3, Semester 2</u>
	r 4, Semester 1
	<u>r 4, Semester 2</u> r 5, Semester 1
	_
	Title
	1 (February) commencements
rear 1, S	emester 1
CYB101	Introduction to Communication
	Introduction to Media and
CYB102	Entertainment Industries
Data Scie	ence Unit
Data Scie	ence Unit
Year 1. S	emester 2
	Communication Theory and
CYB103	Practice
CYB104	Managing Social Media
Data Scie	ence Unit
Data Scie	ence Unit
Note: Stu	dents considering studying
	in Year 2 Semester 2 must
apply by	1 November.
Year 2, S	emester 1
CDB101	Managing Media and
CDB101	Entertainment
CYB105	Understanding Audiences
Data Scie	ence Unit
Data Scie	ence Unit
Year 2, S	emester 2
	Global Media and
CYB106	Entertainment Industries
LWS009	Introduction to Law
Data Scie	ence Unit
Data Scie	ence Unit
Year 3. S	emester 1
	Entertainment Strategy
LWS008	
Data Scie	
Data Scie	
	emester 2
	Entertainment Cultures
	Australian Media
Data Scie	ence Unit
Data Scie	ence Unit
Year 4, S	emester 1
CDB301	Critical Issues in the

QUT

the university for the real world

• Year 1, Semester 2



Bachelor of Communication/Bachelor of Data Science

Dachei			
	Entertainment Industries		
CDB302	Entertainment Project 1: Pre- Production		
Data Scie	ence Unit		
	Data Science Unit		
Year 4. S	emester 2		
CDB303	Entertainment Project 2: Production		
One unit	from the Work Integrated		
Learning KKB350)	Unit Options List (KKB341 or :		
KKB341	Work Integrated Learning 1		
KKB350	Creative Industries Study Tour		
Data Scie	ence Unit		
Data Scie			
Semeste	r 2 (July) commencements		
Year 1, S	emester 2		
CYB103	Communication Theory and Practice		
CYB104	Managing Social Media		
Data Scie	ence Unit		
Data Scie	ence Unit		
Year 2, S	emester 1		
CYB101	Introduction to Communication		
CYB102	Introduction to Media and Entertainment Industries		
Data Scie	ence Unit		
Data Scie			
	dents considering studying		
	in Year 3 Semester 1 must		
apply by			
Year 2, S	emester 2		
CYB106	Global Media and Entertainment Industries		
LWS009	Introduction to Law		
Data Scie	ence Unit		
Data Scie	ence Unit		
Year 3, S	emester 1		
CDB101	Managing Media and Entertainment		
CYB105	Understanding Audiences		
Data Scie	ence Unit		
Data Scie	ence Unit		
Year 3, S	emester 2		
CDB202	Entertainment Cultures		
CCB201	Australian Media		
Data Scie	ence Unit		
Data Scie	ence Unit		
Year 4, S	semester 1		
	Entertainment Strategy		
	Entertainment Law		
Data Scie			
Data Scie	ence Unit		
	emester 2		

CDB303	Entertainment Project 2: Production	
One unit from the Work Integrated Learning Unit Options List (KKB341 or KKB350):		
KKB341	Work Integrated Learning 1	
KKB350		
Data Scie		
Data Scie	ence Unit	
Year 5, S	emester 1	
CDB301	Critical Issues in the Entertainment Industries	
CDB302	Entertainment Project 1: Pre- Production	
Data Scie	ence Unit	
Data Scie	ence Unit	
Semeste	ers	
• <u>Serr</u>	<u>nester 1 (February)</u>	
	mencements	
	r 1, Semester 1 r 1, Semester 2	
• Yea	r 2, Semester 1	
 Yea 	r 2, Semester 2	
• <u>Yea</u>	r 3, Semester 1	
• <u>Yea</u>	r 3, Semester 2	
• <u>rea</u> • Yea	<u>r 4, Semester 1</u> r 4, Semester 2	
	nester 2 (July) commencements	
 Yea 	r 1, Semester 2	
	r 2, Semester 1	
Year 2, Semester 2		
• <u>Tea</u> • Yea	 <u>Year 3, Semester 1</u> <u>Year 3, Semester 2</u> 	
	r 4, Semester 1	
 Year 4, Semester 2 		
• <u>Yea</u>	r 4, Semester 2	
• <u>Yea</u> • <u>Yea</u>		
• <u>Yea</u>	r 4, Semester 2	
• <u>Yea</u> Code	<u>r 4, Semester 2</u> <u>r 5, Semester 1</u> Title	
• <u>Yea</u> Code Semester	<u>r 4, Semester 2</u> <u>r 5, Semester 1</u> Title r 1 (February) commencements	
• <u>Yea</u> Code Semester Year 1, S	<u>r 4, Semester 2</u> <u>r 5, Semester 1</u> Title r 1 (February) commencements emester 1	
• <u>Yea</u> Code Semester Year 1, S CJB101	<u>r 4, Semester 2</u> <u>r 5, Semester 1</u> Title r 1 (February) commencements	
• <u>Yea</u> Code Semester Year 1, S	r <u>4, Semester 2</u> r <u>5, Semester 1</u> Title r 1 (February) commencements emester 1 Newswriting	
• <u>Yea</u> Code Semester Year 1, S CJB101	r 4, Semester 2 r 5, Semester 1 Title r 1 (February) commencements emester 1 Newswriting Introduction to Communication	
• <u>Yea</u> Code Semester Year 1, S CJB101 CYB101	r 4, Semester 2 r 5, Semester 1 Title r 1 (February) commencements emester 1 Newswriting Introduction to Communication ence Unit	
• Yea Code Semester Year 1, S CJB101 CYB101 Data Scie Data Scie	r 4, Semester 2 r 5, Semester 1 Title r 1 (February) commencements emester 1 Newswriting Introduction to Communication ence Unit emester 2	
• Yea Code Semester Year 1, S CJB101 CYB101 Data Scie Data Scie	r 4. Semester 2 r 5. Semester 1 Title r 1 (February) commencements emester 1 Newswriting Introduction to Communication ence Unit ence Unit	
• Yea Code Semester Year 1, S CJB101 CYB101 Data Scie Data Scie Year 1, S	r 4, Semester 2 r 5, Semester 1 Title r 1 (February) commencements emester 1 Newswriting Introduction to Communication ence Unit emester 2 Communication Theory and	
• Yea Code Semestel Year 1, S CJB101 CYB101 Data Scie Data Scie Year 1, S CYB103	r 4. Semester 2 r 5. Semester 1 Title r 1 (February) commencements emester 1 Newswriting Introduction to Communication ence Unit emester 2 Communication Theory and Practice Journalism Law	
• Yea Code Semester Year 1, S CJB101 CYB101 Data Scie Year 1, S CYB103 LWS011	r 4, Semester 2 r 5, Semester 1 Title r 1 (February) commencements emester 1 Newswriting Introduction to Communication ence Unit emester 2 Communication Theory and Practice Journalism Law ence Unit	
• Yea Code Semester Year 1, S CJB101 CYB101 Data Scie Year 1, S CYB103 LWS011 Data Scie Data Scie	r 4, Semester 2 r 5, Semester 1 Title r 1 (February) commencements emester 1 Newswriting Introduction to Communication ence Unit emester 2 Communication Theory and Practice Journalism Law ence Unit	
• Yea Code Semester Year 1, S CJB101 CYB101 Data Scie Year 1, S CYB103 LWS011 Data Scie Data Scie Note: Stu overseas	r 4. Semester 2 r 5. Semester 1 Title r 1 (February) commencements emester 1 Newswriting Introduction to Communication ence Unit emester 2 Communication Theory and Practice Journalism Law ence Unit ence Unit ence Unit ence Unit ence Unit ence Unit	
• Yea Code Semester Year 1, S CJB101 CYB101 Data Scie Year 1, S CYB103 LWS011 Data Scie Data Scie Note: Stu overseas	r 4. Semester 2 r 5. Semester 1 Title r 1 (February) commencements emester 1 Newswriting Introduction to Communication ence Unit emester 2 Communication Theory and Practice Journalism Law ence Unit ence Unit ence Unit ence Unit	
• Yea Code Semester Year 1, S CJB101 CYB101 Data Scie Year 1, S CYB103 LWS011 Data Scie Data Scie Note: Stu overseas apply by	r 4. Semester 2 r 5. Semester 1 Title r 1 (February) commencements emester 1 Newswriting Introduction to Communication ence Unit emester 2 Communication Theory and Practice Journalism Law ence Unit ence Unit ence Unit ence Unit ence Unit ence Unit	

CJB102	Visual Journalism
CYB102	Introduction to Media and Entertainment Industries
Data Science Unit	
Data Science Unit	

Year 2, S	emester 2
	Journalistic Inquiry
	Managing Social Media
Data Scie	
Data Scie	
	emester 1
	Feature Writing
	Production Journalism
Data Scie	
Data Scie	
	emester 2
	Newsroom
Data Scie	
Data Scie	
Year 4, S	emester 1
CJB302	Newsdesk
Data Scie	ence Unit
Data Scie	ence Unit
Year 4, S	emester 2
CJB204	Journalism Ethics and Issue
CJB301	International Newsdesk
Data Scie	ence Unit
Data Scie	ence Unit
Semester	2 (July) commencements
	emester 2
CYB103	Communication Theory and Practice
CYB104	Managing Social Media
CYB104 Data Scie	Managing Social Media
Data Scie	ence Unit
Data Scie Data Scie	ence Unit
Data Scie Data Scie	ence Unit ence Unit
Data Scie Data Scie Year 2, S CJB101	ence Unit ence Unit emester 1
Data Scie Data Scie Year 2, S	ence Unit ence Unit emester 1 Newswriting Introduction to Communication
Data Scie Data Scie Year 2, S CJB101 CYB101	ence Unit ence Unit emester 1 Newswriting Introduction to Communication ence Unit
Data Scie Data Scie Year 2, S CJB101 CYB101 Data Scie Data Scie	ence Unit emce Unit emester 1 Newswriting Introduction to Communication ence Unit ence Unit
Data Scie Data Scie Year 2, S CJB101 CYB101 Data Scie Data Scie Note: Stu overseas	ence Unit emce Unit emester 1 Newswriting Introduction to Communication ence Unit dents considering studying in Year 3 Semester 1 must
Data Scie Data Scie Year 2, S CJB101 CYB101 Data Scie Data Scie Note: Stu overseas apply by	ence Unit emester 1 Newswriting Introduction to Communication ence Unit ence Unit dents considering studying in Year 3 Semester 1 must 1 June.
Data Scie Data Scie Year 2, S CJB101 CYB101 Data Scie Data Scie Note: Stu overseas apply by Year 2, S	ence Unit emce Unit emester 1 Newswriting Introduction to Communication ence Unit ence Unit dents considering studying in Year 3 Semester 1 must 1 June. emester 2
Data Scie Data Scie Year 2, S CJB101 CYB101 Data Scie Data Scie Note: Stu overseas apply by Year 2, S	ence Unit emce Unit emester 1 Newswriting Introduction to Communication ence Unit ence Unit dents considering studying in Year 3 Semester 1 must 1 June. emester 2
Data Scie Data Scie Year 2, S CJB101 CYB101 Data Scie Data Scie Note: Stu overseas apply by Year 2, S CJB103	ence Unit emester 1 Newswriting Introduction to Communication ence Unit dents considering studying in Year 3 Semester 1 must 1 June. emester 2 Journalistic Inquiry
Data Scie Data Scie Year 2, S CJB101 CYB101 Data Scie Data Scie Note: Stu overseas apply by	ence Unit emester 1 Newswriting Introduction to Communication ence Unit ence Unit dents considering studying in Year 3 Semester 1 must 1 June. emester 2 Journalistic Inquiry Journalism Law
Data Scie Data Scie Year 2, S CJB101 CYB101 Data Scie Data Scie Note: Stu overseas apply by Year 2, S CJB103 LWS011	ence Unit ence Unit emester 1 Newswriting Introduction to Communication ence Unit dents considering studying in Year 3 Semester 1 must 1 June. emester 2 Journalistic Inquiry Journalism Law ence Unit
Data Scie Data Scie Year 2, S CJB101 CYB101 Data Scie Data Scie Note: Stu overseas apply by Year 2, S CJB103 LWS011 Data Scie Data Scie	ence Unit ence Unit emester 1 Newswriting Introduction to Communication ence Unit dents considering studying in Year 3 Semester 1 must 1 June. emester 2 Journalistic Inquiry Journalism Law ence Unit
Data Scie Data Scie Year 2, S CJB101 CYB101 Data Scie Data Scie Note: Stu overseas apply by Year 2, S CJB103 LWS011 Data Scie Data Scie Year 3, S	ence Unit emester 1 Newswriting Introduction to Communication ence Unit dents considering studying in Year 3 Semester 1 must 1 June. emester 2 Journalistic Inquiry Journalism Law ence Unit ence Unit
Data Scie Data Scie Year 2, S CJB101 CYB101 Data Scie Data Scie Note: Stu overseas apply by Year 2, S CJB103 LWS011 Data Scie Data Scie Year 3, S CJB102	ence Unit emester 1 Newswriting Introduction to Communication ence Unit ence Unit dents considering studying in Year 3 Semester 1 must 1 June. emester 2 Journalistic Inquiry Journalism Law ence Unit ence Unit emester 1
Data Scie Data Scie Year 2, S CJB101 CYB101 Data Scie Data Scie Note: Stu overseas apply by Year 2, S CJB103 LWS011 Data Scie Year 3, S CJB102 CYB102	ence Unit emester 1 Newswriting Introduction to Communication ence Unit dents considering studying in Year 3 Semester 1 must 1 June. emester 2 Journalistic Inquiry Journalism Law ence Unit emester 1 Visual Journalism Introduction to Media and Entertainment Industries
Data Scie Data Scie Year 2, S CJB101 CYB101 Data Scie Data Scie Note: Stu overseas apply by Year 2, S CJB103 LWS011 Data Scie Data Scie Year 3, S CJB102 CYB102 Data Scie	ence Unit emester 1 Newswriting Introduction to Communication ence Unit ence Unit ence Unit dents considering studying in Year 3 Semester 1 must 1 June. emester 2 Journalistic Inquiry Journalism Law ence Unit ence Unit
Data Scie Data Scie Year 2, S CJB101 CYB101 Data Scie Data Scie Note: Stu overseas apply by Year 2, S CJB103 LWS011 Data Scie Data Scie Data Scie Data Scie Data Scie	ence Unit emester 1 Newswriting Introduction to Communication ence Unit ence Unit ence Unit dents considering studying in Year 3 Semester 1 must 1 June. emester 2 Journalistic Inquiry Journalistic Inquiry Journalism Law ence Unit ence Unit
Data Scie Data Scie Year 2, S CJB101 CYB101 Data Scie Data Scie Note: Stu overseas apply by Year 2, S CJB103 LWS011 Data Scie Year 3, S CJB102 Data Scie Data Scie Data Scie Year 3, S	ence Unit emester 1 Newswriting Introduction to Communication ence Unit dents considering studying in Year 3 Semester 1 must 1 June. emester 2 Journalistic Inquiry Journalistic Inquiry Journalism Law ence Unit emester 1 Visual Journalism Introduction to Media and Entertainment Industries ence Unit emester 2
Data Scie Data Scie Year 2, S CJB101 CYB101 Data Scie Data Scie Note: Stu overseas apply by Year 2, S CJB103 LWS011 Data Scie Data Scie Data Scie Data Scie Data Scie Data Scie Data Scie Year 3, S CJB203	ence Unit emester 1 Newswriting Introduction to Communication ence Unit ence Unit ence Unit dents considering studying in Year 3 Semester 1 must 1 June. emester 2 Journalistic Inquiry Journalistic Inquiry Journalistic Inquiry Journalistic Linquiry Journalistic Lin
Data Scie Data Scie Year 2, S CJB101 CYB101 Data Scie Data Scie Note: Stu overseas apply by Year 2, S CJB103 LWS011 Data Scie Year 3, S CJB102 CYB102 Data Scie Year 3, S CJB203 Data Scie	ence Unit emester 1 Newswriting Introduction to Communication ence Unit ence Unit ence Unit dents considering studying in Year 3 Semester 1 must 1 June. emester 2 Journalistic Inquiry Journalism Law ence Unit emester 1 Visual Journalism Introduction to Media and Entertainment Industries ence Unit emester 2 Newsroom ence Unit
Data Scie Data Scie Year 2, S CJB101 CYB101 Data Scie Data Scie Note: Stu overseas apply by Year 2, S CJB103 LWS011 Data Scie Year 3, S CJB102 Data Scie Data Scie Data Scie Year 3, S	ence Unit emester 1 Newswriting Introduction to Communication ence Unit ence Unit ence Unit dents considering studying in Year 3 Semester 1 must 1 June. emester 2 Journalistic Inquiry Journalism Law ence Unit emester 1 Visual Journalism Introduction to Media and Entertainment Industries ence Unit emester 2 Newsroom ence Unit



Bachelor of Communication/Bachelor of Data Science

Year 4, Semester 1		
CJB201	Feature Writing	
CJB202	Production Journalism	
Data Science Unit		
Data Science Unit		
Year 4, Semester 2		
CJB204	Journalism Ethics and Issues	
CJB301	International Newsdesk	
Data Science Unit		
Data Science Unit		
Year 5, Semester 1		
CJB302	Newsdesk	
Data Science Unit		
Data Science Unit		

Semesters

Data Science Unit

Co Se Ye

Data Science Unit

Year 1, Semester 2

Data Science Unit

CYB103	Communication Theory and Practice	
CYB104	Managing Social Media	
Data Science Unit		
Data Science Unit		
Note: Students considering studying overseas in Year 2 Semester 2 must apply by 1 November.		
Year 2, Semester 1		
CWB10 1	Communication and Composition: Introduction to Academic Writing	
CWB10 2	Influence and Persuasion	

Data Scie	ence Unit	
Year 2, Semester 2		
CCB102	Multi-Media Design	
CWB10	Interpersonal and Intercultural	
3	Negotiation	
Data Scie		
Data Scie		
Year 3, S	emester 1	
CCB203	Strategic Speech Communication	
CWB20 2	Rhetoric: Public Communication Skills	
Data Scie	ence Unit	
Data Scie	ence Unit	
Year 3, S	emester 2	
CCB204	Communication Planning and Practice	
CWB20 1	Corporate Writing and Editing	
Data Scie	ence Unit	
Data Scie	ence Unit	
Year <u>4, S</u>	emester 1	
CWB30 1	Political Communication	
CWB30	Communication Project	
Data Scie	ence Unit	
Data Scie	ence Unit	
Year 4, S	emester 2	
Year 4, S CWB30	emester 2 Advanced Corporate	
CWB30 2 One unit Learning	Advanced Corporate Communication from the Work Integrated Unit Options List (KKB341 or	
CWB30 2 One unit Learning KKB350):	Advanced Corporate Communication from the Work Integrated Unit Options List (KKB341 or	
CWB30 2 One unit Learning KKB350): KKB341	Advanced Corporate Communication from the Work Integrated Unit Options List (KKB341 or Work Integrated Learning 1	
CWB30 2 One unit Learning KKB350): KKB341	Advanced Corporate Communication from the Work Integrated Unit Options List (KKB341 or Work Integrated Learning 1 Creative Industries Study Tour	
CWB30 2 One unit Learning KKB350): KKB341 KKB350	Advanced Corporate Communication from the Work Integrated Unit Options List (KKB341 or Work Integrated Learning 1 Creative Industries Study Tour ence Unit	
CWB30 2 One unit Learning KKB350): KKB341 KKB350 Data Scie Data Scie	Advanced Corporate Communication from the Work Integrated Unit Options List (KKB341 or Work Integrated Learning 1 Creative Industries Study Tour ence Unit	
CWB30 2 One unit Learning KKB350): KKB341 KKB350 Data Scie Data Scie Semester	Advanced Corporate Communication from the Work Integrated Unit Options List (KKB341 or Work Integrated Learning 1 Creative Industries Study Tour ence Unit	
CWB30 2 One unit Learning KKB350): KKB341 KKB350 Data Scie Data Scie Semester	Advanced Corporate Communication from the Work Integrated Unit Options List (KKB341 or Work Integrated Learning 1 Creative Industries Study Tour ence Unit creative Unit ence Unit	
CWB30 2 One unit Learning KKB350): KKB341 KKB350 Data Scie Data Scie Semester Year 1, S	Advanced Corporate Communication from the Work Integrated Unit Options List (KKB341 or Work Integrated Learning 1 Creative Industries Study Tour ence Unit 2 (July) commencements emester 2 Communication Theory and Practice	
CWB30 2 One unit Learning KKB350): KKB341 KKB350 Data Scie Data Scie Semester Year 1, S CYB103	Advanced Corporate Communication from the Work Integrated Unit Options List (KKB341 or Work Integrated Learning 1 Creative Industries Study Tour ence Unit ence Unit 2 (July) commencements emester 2 Communication Theory and Practice Managing Social Media	
CWB30 2 One unit i Learning KKB350): KKB341 KKB350 Data Scie Data Scie Semester Year 1, S CYB103 CYB104	Advanced Corporate Communication from the Work Integrated Unit Options List (KKB341 or Work Integrated Learning 1 Creative Industries Study Tour ence Unit 2 (July) commencements emester 2 Communication Theory and Practice Managing Social Media ence Unit	
CWB30 2 One unit Learning KKB350): KKB341 KKB350 Data Scie Data Scie Semester Year 1, S CYB103 CYB104 Data Scie Data Scie	Advanced Corporate Communication from the Work Integrated Unit Options List (KKB341 or Work Integrated Learning 1 Creative Industries Study Tour ence Unit 2 (July) commencements emester 2 Communication Theory and Practice Managing Social Media ence Unit	
CWB30 2 One unit Learning KKB350): KKB341 KKB350 Data Scie Data Scie Semester Year 1, S CYB103 CYB104 Data Scie Data Scie	Advanced Corporate Communication from the Work Integrated Unit Options List (KKB341 or Work Integrated Learning 1 Creative Industries Study Tour ence Unit creative Industries Study Tour ence Unit	
CWB30 2 One unit i Learning KKB350): KKB341 KKB350 Data Scie Data Scie Year 1, S CYB103 CYB104 Data Scie Data Scie Year 2, S	Advanced Corporate Communication from the Work Integrated Unit Options List (KKB341 or Work Integrated Learning 1 Creative Industries Study Tour ence Unit ence Unit 2 (July) commencements emester 2 Communication Theory and Practice Managing Social Media ence Unit ence Unit ence Unit ence Unit ence Init ence Init	
CWB30 2 One unit i Learning KKB350): KKB341 KKB350 Data Scie Data Scie Year 1, S CYB103 CYB104 Data Scie Pata Scie Year 2, S CYB101	Advanced Corporate Communication from the Work Integrated Unit Options List (KKB341 or Work Integrated Learning 1 Creative Industries Study Tour ence Unit ence Unit c (July) commencements emester 2 Communication Theory and Practice Managing Social Media ence Unit emester 1 Introduction to Communication Introduction to Media and Entertainment Industries	
CWB30 2 One unit Learning KKB350): KKB341 KKB350 Data Scie Data Scie Year 1, S CYB103 CYB104 Data Scie Year 2, S CYB101 CYB102	Advanced Corporate Communication from the Work Integrated Unit Options List (KKB341 or Work Integrated Learning 1 Creative Industries Study Tour ence Unit ence Unit 2 (July) commencements emester 2 Communication Theory and Practice Managing Social Media ence Unit ence Unit	
CWB30 2 One unit i Learning KKB350): KKB341 KKB350 Data Scie Data Scie Data Scie Data Scie Year 2, S CYB101 CYB102 Data Scie Data Scie	Advanced Corporate Communication from the Work Integrated Unit Options List (KKB341 or Work Integrated Learning 1 Creative Industries Study Tour ence Unit 2 (July) commencements emester 2 Communication Theory and Practice Managing Social Media ence Unit ence Unit	
CWB30 2 One unit i Learning KKB350): KKB341 KKB350 Data Scie Data Scie Data Scie Data Scie Year 2, S CYB101 CYB102 Data Scie Data Scie Data Scie	Advanced Corporate Communication from the Work Integrated Unit Options List (KKB341 or Work Integrated Learning 1 Creative Industries Study Tour ence Unit ence Unit 2 (July) commencements emester 2 Communication Theory and Practice Managing Social Media ence Unit ence Unit	
CWB30 2 One unit Learning KKB350): KKB341 KKB350 Data Scie Data Scie Year 1, S CYB103 CYB103 CYB104 Data Scie Year 2, S CYB101 CYB102 Data Scie Data Scie Data Scie Data Scie	Advanced Corporate Communication from the Work Integrated Unit Options List (KKB341 or Work Integrated Learning 1 Creative Industries Study Tour ence Unit 2 (July) commencements emester 2 Communication Theory and Practice Managing Social Media ence Unit ence Unit ence Unit ence Unit Introduction to Communication Introduction to Media and Entertainment Industries ence Unit dents considering studying in Year 3 Semester 1 must	

CCB102	Multi-Media Design		
CWB10	Interpersonal and Intercultural		
3	Negotiation		
	Data Science Unit		
Data Scie			
Year 3, S	emester 1		
CWB10 1	Communication and Composition: Introduction to Academic Writing		
CWB10 2	Influence and Persuasion		
Data Scie	ence Unit		
Data Scie	ence Unit		
Year 3, S	emester 2		
CCB204	Communication Planning and Practice		
CWB20 1	Corporate Writing and Editing		
Data Scie	ence Unit		
Data Scie			
Year 4, S	emester 1		
CCB203	Strategic Speech Communication		
CWB20	Rhetoric: Public		
2	Communication Skills		
Data Scie			
Data Scie			
	emester 2		
CWB30 2	Advanced Corporate Communication		
	from the Work Integrated Unit Options List (KKB341 or		
KKB341	Work Integrated Learning 1		
KKB350	Creative Industries Study Tour		
Data Scie	ence Unit		
Data Science Unit			
Year 5, S	emester 1		
CWB30 1	Political Communication		
CWB30 3	Communication Project		
Data Science Unit			
Data Science Unit			



Year	2022
QUT code	ID32
CRICOS	103860K
Duration (full-time)	4 years
Duration (part-time domestic)	8 years
ATAR/Selection rank	84.00
Offer Guarantee	Yes
Domestic fee (indicative)	2022: CSP \$7,800 per year full-time (96 credit points)
International fee (indicative)	2022: \$33,300 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Phone +61 7 3138 2000; email: askqut@qut.edu.au;
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Assumed knowledge

• Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing 6.0	
Speaking	6.0

Domestic Course structure Your course

In order to complete this course, you must complete a total of 384 credit points, made up of 192 credit points from the Bachelor of Creative Industries and 192 credit points from the Bachelor of Data Science. You will undertake the two components of the double degree concurrently.

Creative Industries component

The core of the program centres on Creative Enterprise studios that offer authentic, problem-based activities, coupled with work integrated learning, skills in entrepreneurship and commercial links that engage in creative start-ups. Early in your degree, you choose 24 credit points of introductory units to experience your preferred majors, with the option to undertake defined breadth units in other relevant areas. Using this experience, you then decide upon a creative industries major.

You will complete:

- Core units 72 credit points
 Creative Industries introductory
- units 24 credit points
- A Creative Industries major 96 credit points from one of the

specified majors including: Creative and Professional Writing; Media and Communication; Drama and Performance; Entertainment; Fashion Communication; Interactive and Visual Design; Music and Sound; and Screen Content Production.

Data Science component

You will complete 192 credit points of Data Science core units.

Study overseas

<u>Study overseas</u> while earning credit towards your QUT degree with one of our worldwide exchange partners.

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

International Course structure

Your course

In order to complete this course, you must complete a total of 384 credit points, made up of 192 credit points from the Bachelor of Creative Industries and 192 credit points from the Bachelor of Data Science. You will undertake the two components of the double degree concurrently.

Creative Industries component

The core of the program centres on Creative Enterprise studios that offer authentic, problem-based activities, coupled with work integrated learning, skills in entrepreneurship and commercial links that engage in creative start-ups. Early in your degree, you choose 24 credit points of introductory units to experience your preferred majors, with the option to undertake defined breadth units in other relevant areas. Using this experience, you then decide upon a creative industries major.

You will complete:

- Core units 72 credit points
- Creative Industries introductory units - 24 credit points
- A Creative Industries major 96 credit points from one of the specified majors including: Creative and Professional Writing; Media and Communication; Drama and Performance; Entertainment; Fashion Communication; Interactive and Visual Design; Music and Sound; and Screen Content Production.



Data Science component

You will complete 192 credit points of Data Science core units.

Study overseas

Study overseas while earning credit towards your QUT degree with one of our worldwide exchange partners.

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

Sample Structure **Semesters**

- Year 1, Semester 2 ٠
- Year 2, Semester 1 Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1 .
- Year 4, Semester 2
- Year 5, Semester 1 ٠

Code Title

Year 1, Semester 2

KKB185 Creative Enterprise Studio 1

A unit from the Creative Industries Introductory Unit Options List

Data Science Unit

Data Science Unit

Year 2, Semester 1

KKB180 Creative Futures

A unit from the Creative Industries Introductory Unit Options List

Data Science Unit

Data Science Unit

Note: Students considering studying overseas in Year 3 Semester 1 must apply by 1 June.

Year 2, Semester 2

Creative Industries Major: First Unit	
Creative Industries Major: Second Unit	
Data Science Unit	
Data Science Unit	
Year 3, Semester 1	
Creative Industries Major: Third Unit	
Creative Industries Major: Fourth Unit	
Data Science Unit	
Data Science Unit	
Year 3, Semester 2	
KKB285 Creative Enterprise Studio 2	
Creative Industries Major: Fifth Unit	
Data Science Unit	

Data Science Unit

Year 4, Semester 1

Creative Industries Major: Sixth Unit

Creative Industries Major: Seventh Unit Data Science Unit

Data Science Unit Year 4, Semester 2

KKB385 Creative Enterprise Studio 3

Data Science Unit

Data Science Unit

Year 5, Semester 1

Creative Industries Major: Eighth Unit A unit from the Creative Industries WIL Unit Options List (KKB341 or KKB380):

KKB341 Work Integrated Learning 1

Creative Enterprise and **KKB380** Entrepreneurship

Data Science Unit

Data Science Unit

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2 .
- Year 4, Semester 1 Year 4, Semester 2 .

Code Title

Year 1, Semester 1 KKB180 Creative Futures A unit from the Creative Industries Introductory Unit Options List Data Science Unit Data Science Unit Year 1, Semester 2 KKB185 Creative Enterprise Studio 1 A unit from the Creative Industries Introductory Unit Options List **Data Science Unit Data Science Unit** Note: Students considering studying overseas in Year 2 Semester 2 must apply by 1 November. Year 2, Semester 1 Creative Industries Major: First Unit Creative Industries Major: Second Unit Data Science Unit Data Science Unit Year 2, Semester 2 Creative Industries Major: Third Unit

Creative Industries Major: Fourth Unit

Data Science Unit

Data Science Unit

Year 3, Semester 1

Creative Industries Major: Fifth Unit Creative Industries Major: Sixth Unit Data Science Unit

Data Science Unit Year 3, Semester 2 KKB285 Creative Enterprise Studio 2 Creative Industries Major: Seventh Unit **Data Science Unit** Data Science Unit Year 4, Semester 1 Creative Industries Major: Eighth Unit A unit from the Creative Industries WIL Unit Options List (KKB341 or KKB380): KKB341 Work Integrated Learning 1 Creative Enterprise and **KKB380** Entrepreneurship Data Science Unit Data Science Unit Year 4, Semester 2 KKB385 Creative Enterprise Studio 3

Data Science Unit

Data Science Unit



Year	2022
QUT code	ID33
CRICOS	103861J
Duration (full-time)	5.5 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Domestic fee (indicative)	2022: CSP \$8,900 per year full-time (96 credit points)
International fee (indicative)	2022: \$33,000 per year full-time (96 credit points)
Total credit points	528
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	AskQUT askqut@qut.edu.au; +61 7 3138 2000;
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Assumed knowledge

• Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing 6.0	
Speaking	6.0

Domestic Course structure

Students are required to complete 528 credit points, comprised of 192 credit points for the Bachelor of Data Science program and 336 credit points for the Bachelor of Laws (Honours) program. You will study data science and law units in your first four years and for the remainder of this course you will concentrate on law studies.

Under the data science component, students will complete 192 credit points (16 units) consisting of :

- 14 core units (168 credit point)
- 2 data science elective units (24 credit points)

Under the law component, you will complete 336 credit points of core units and a mixture of law electives made up of:

- 19 Core units (240 credit points)
- 1 introductory law elective* (12 credit points)
- 5 general law electives** (60 credit points)
- 2 advanced law electives (24 credit points)

*Students may select a general law elective in place of the introductory law elective

**Students have the option to complete the Law, Technology and Innovation minor or 4 non-law electives (48 credit points) or a university wide minor in place of 4 general law electives (48 credit points). Successful completion of a minor will be recognised on the academic record and/or the Australian Higher Education Graduation Statement.

Honours-level units

96 credit points of the following honours units will be used to determine the honours levels of the LLB (Hons):

- Legal Research (LLH201)
- Administrative Law (LLH206)
- Ethics and the Legal Profession (LLH302)
- Corporate Law (LLH305)
- Legal Research Capstone (LLH401) (24 credit points)
- two 12-credit point Advanced Law Electives

International Course structure

Students are required to complete 528 credit points, comprised of 192 credit points for the Bachelor of Data Science program and 336 credit points for the Bachelor of Laws (Honours) program. You will study data science and law units in your first four years and for the remainder of this course you will concentrate on law studies.

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- 14 core units (168 credit point)
- 2 data science elective units (24 credit points)

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- 1 introductory law elective* (12 credit points)
- 5 general law electives** (60 credit points)
- 2 advanced law electives (24 credit points)

*Students may select a general law elective in place of the introductory law elective

**Students have the option to complete the Law, Technology and Innovation minor or 4 non-law electives (48 credit points) or a university wide minor in place of 4 general law electives (48 credit points). Successful completion of a minor



Bachelor of Data Science/Bachelor of Laws (Honours)

will be recognised on the academic record and/or the Australian Higher Education Graduation Statement.

Honours-level units

96 credit points of the following honours units will be used to determine the honours levels of the LLB (Hons):

- Legal Research (LLH201)
- Administrative Law (LLH206)
- Ethics and the Legal Profession (LLH302)
- Corporate Law (LLH305)
- Legal Research Capstone (LLH401) (24 credit points)
- two 12-credit point Advanced Law Electives

Sample Structure

Semesters

- February commencements
- Year 1, Semester 1
- Year 1, Semester 2
- ٠ Year 2, Semester 1
- Year 2, Semester 2 Year 3, Semester 1 ٠
- ٠
- Year 3, Semester 2 ٠
- Year 4, Semester 1 .
- Year 4, Semester 2
- Year 5, Semester 1 .
- Year 5, Semester 2
- Year 6, Semester 1 Law information

Code Title

Code	The	
February commencements		
Year 1, Semester 1		
IFB104	Building IT Systems	
Select either MXB100 or MXB105		
MXB100	Introductory Calculus and Algebra	
MXB105	Calculus and Differential Equations	
LLB101	Introduction to Law	
LLB102	Torts	
Year 1, Semester 2		
IFB105	Database Management	
MXB107	Introduction to Statistical Modelling	
LLB106	Criminal Law	
LLB107	Statutory Interpretation	
Year 2, Semester 1		
MXB101	Probability and Stochastic Modelling 1	
MXB262	Visualising Data	
LLB103	Dispute Resolution	
LLB104	Contemporary Law and Justice	
Year 2, S	emester 2	
CAB201	Programming Principles	
DSB100	Fundamentals of Data Science	

LLH201	Legal Research	
	bry Law Elective unit or General	
Law Elect		
Year 3, S		
CAB301	Algorithms and Complexity	
MXB242	Regression and Design	
LLB202	Contract Law	
LLB203	Constitutional Law	
Year 3, S		
IAB206	Modern Data Management	
	her CAB330 or IAB303	
CAB330	Data and Web Analytics	
IAB303	Data Analytics for Business Insight	
LLB204	Commercial and Personal Property Law	
LLB205	Equity and Trusts	
Year 4, S		
CAB420	Machine Learning	
MXB344	Generalised Linear Models	
	aw Elective*	
LLB301	Real Property Law	
	emester 2	
	Data Science Capstone	
DSB300	Project Advanced Visualisation and	
MXB362	Data Science	
LLH206	Administrative Law	
LLB303	Evidence	
Year 5, S	emester 1	
LLB304	Commercial Remedies	
LLH302	Ethics and the Legal Profession	
General la	aw elective or law minor unit or	
non law e	lective or uni-wide minor unit*	
	aw elective or law minor unit or lective or uni-wide minor unit*	
Year 5, S	emester 2	
LLH305	Corporate Law	
LLB306	Civil Procedure	
LLH401	Legal Research Capstone	
Year 6, S	emester 1	
Advanced	law elective	
Advanced	law elective	
General law elective or law minor unit or non law elective or uni-wide minor unit*		
General la	aw elective or law minor unit or	
	lective or uni-wide minor unit*	
Law inform	mation	
*Students may wish to study the Law, Innovation and Technology minor or a uni-wide minor or up to 48 credit points of non-law electives in place of their		

of non-law electives in place of their

general law electives.

Semesters

- July commencement
- Year 1, Semester 2, Year 1, Semester 1
- Year 2, Semester 2
- Year 2, Semester 1 Year 3, Semester 2 ٠
- Year 3, Semester 1
- Year 4, Semester 2
- Year 4, Semester 1
 Year 5, Semester 2
- Year 5, Semester 1
- Year 6, Semester 2 •
- Law information

Code	Title	
July commencement		
Year 1, S	emester 2,	
IFB104	Building IT Systems	
Select MX	(B100 or MXB105	
MXB100	Introductory Calculus and Algebra	
MXB105	Calculus and Differential Equations	
LLB101	Introduction to Law	
LLB102	Torts	
Year 1, S	emester 1	
MXB101	Probability and Stochastic Modelling 1	
IFB105	Database Management	
LLB103	Dispute Resolution	
LLB104	Contemporary Law and Justice	
Year 2, S	emester 2	
CAB201	Programming Principles	
MXB107	Introduction to Statistical Modelling	
LLB106	Criminal Law	
LLB107	Statutory Interpretation	
Year 2, S	emester 1	
MXB242	Regression and Design	
MXB262	Visualising Data	
LLH201	Legal Research	
LLB202	Contract Law	
Year 3, S	emester 2	
DSB100	Fundamentals of Data Science	
IAB206	Modern Data Management	
Introductory law elective or general law elective		
LLB204	Commercial and Personal Property Law	
Year 3, S	emester 1	
CAB301	Algorithms and Complexity	
CAB420	Machine Learning	
LLB203	Constitutional Law	
General la	aw elective	
Year 4, Semester 2		
Select CAB330 or IAB303		



Bachelor of Data Science/Bachelor of Laws (Honours)

Baomor	of of Data Science/Dacher
CAB330	Data and Web Analytics
IAB303	Data Analytics for Business Insight
MXB362	Advanced Visualisation and Data Science
LLB205	Equity and Trusts
LLH206	Administrative Law
Year 4, S	emester 1
DSB300	Data Science Capstone Project
MXB344	Generalised Linear Models
LLB301	Real Property Law
non-law e	aw elective or law minor unit or elective or uni-wide minor unit*
Year 5, S	emester 2
LLB303	Evidence
LLH305	Corporate Law
LLB306	Civil Procedure
	aw elective or law minor unit or elective or uni-wide minor unit*
Year 5, S	emester 1
LLH302	Ethics and the Legal Profession
LLB304	Commercial Remedies
	aw elective or law minor unit or elective or uni-wide minor unit*
	aw elective or law minor unit or elective or uni-wide minor unit*
Year 6, S	emester 2
LLH401	Legal Research Capstone
Advanced	d law elective
Advanced law elective	
Law infor	
*Students may wish to study the Law, Innovation and Technology minor or a uni-wide minor or up to 48 credit points of non-law electives as part of their general law electives.	

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You can check this by referring to the unit outlines on <u>QUT Virtual</u>.

Introductory Law Electives	
Code	Title
LLB140	Human Rights Law
LLB141	Introduction to International Law
LLB142	Regulation of Business

Please note that some law options (electives) maybe offered in alternate years and/or are subject to student enrolments. Please refer QUT Real Law (LAW_Real_Law) Blackboard site under My Community on your blackboard homepage for unit offerings to determine which units will be available.

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You can check this by referring to the unit outlines on <u>QUT Virtual</u>.

General I	Law Electives List
Code	Title
LLB241	Discrimination and Equal Opportunity Law
LLB242	Media Law
LLB243	Family Law
LLB244	Criminal Law Sentencing
LLB245	Sports Law
LLB247	Animal Law
LLB248	COVID-19 and the Law
LLB250	Law, Privacy and Data Ethics
LLB251	Law and Design Thinking
LLB340	Banking and Finance Law
LLB341	Artificial Intelligence, Robots and the Law
LLB342	Immigration and Refugee Law
LLB344	Intellectual Property Law
LLB345	Regulating the Internet
LLB346	Succession Law
LLB347	Taxation Law
LLB349	Japanese Law
LLB350	The Law and Ethics of War
LLB440	Environmental Law
LLB443	Mining and Resources Law
LLB444	Real Estate Transactions
LLB447	International Arbitration
LLB460	Competition Moots A
LLB461	Competition Moots B
LLB463	Community Justice Project
LLB464	International Legal Placement
	was previously titled Legal ternational)
LLB465	Startup Law Clinic

Please note that some law elective units maybe offered in alternate years and/or are subject to student enrolments. Please refer QUT Real Law (LAW_Real_Law) Blackboard site under My Community on your blackboard homepage for unit offerings to determine which units will be available.

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You can check this by referring to the unit outlines on <u>QUT Virtual</u>.

Advanced Law Electives Code Title Select 24 credit points of Advanced Law Electives

LLH470	Commercial Contracts in Practice
LLH471	Health Law and Practice
LLH472	Public International Law
LLH473	Independent Research Project
LLH474	Insolvency Law
LLH475	Theories of Law
LLH476	Competition Law
LLH477	Innovation and Intellectual Property Law
LLH478	Advanced Criminal Law - Principles and Practice
LLH479	Research Thesis Extension
LLH480	Consumer Law in a Digital Age
LLH481	Private International Law

This information is correct as at 04/10/2022. For the most up-to-date course information, visit https://qutvitual4.qut.edu.au/group/student/enrolment/courses/course?course?code=ID33&id=38909. CRICOS No.00213J



Year	2022
QUT code	IX22
CRICOS	059595C
Duration (full-time)	4 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2022: CSP \$11,400 per year full-time (96 credit points)
International fee (indicative)	2022: \$33,400 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Discipline Coordinator	For more information email: askqut@qut.edu.au

Domestic Entry requirements Year 12 early offer scheme

If you're a current Queensland Year 12 student, you may be eligible to receive an offer for this course on the last day of Queensland Year 12, before receiving your ATAR or selection rank.

Find out more about the QUT Year 12 Early Offer Scheme

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Assumed knowledge

 General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English

requirements

Students must meet the English proficiency requirements.

IELTS (International Testing System)	English Language
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Course Overview

This double degree will give you a broad base of commercial knowledge in business and information technology. Business is highly dependent on information technology infrastructure, so having the expertise in both makes you more attractive to employers looking for multidisciplined staff.

Businesses look for staff who can communicate well from both the business and information technology disciplines, so having the skills and knowledge across both gives you a competitive edge over other graduates. You will have the opportunity to complement your information technology studies in either information systems or computer science with a business major in accountancy, advertising, economics, finance, human resource management, international business, management, marketing or public relations.

Career Outcomes

This double degree will give you the particular skills to acquire a role requiring knowledge in both business and information technology. These include business and systems analyst, systems manager, product manager for an information technology product, team leader for multidisciplinary staff, pre-sales consulting, after-sales support, technical manager or consultant. Future career prospects include chief financial officer, chief information officer and chief technical officer.

Study Areas

IX22 has nominated majors in Information Systems and Computer Science in the Information Technology component of the degreee. There will now be a Study Area A shown on a graduate's parchment.

Professional Recognition

The Bachelor of Business degree may, subject to choice of major, allow graduates to satisfy the academic requirements for membership to a number of professional bodies. Further information is available from the discipline schools.

This course is accredited by the Australian Computer Society (ACS). ACS accreditation is internationally recognised by the Seoul Accord.

Domestic Course structure

Students are required to complete 384 credit points comprised of 192 credit points from the Bachelor of Information Technology program and 192 credit points from the Bachelor of Business program.

Business component:

- Eight Business School core units (96 credit points) *
- Eight major core units (96 credit points)

*Accounting major students complete six business core units and 10 accounting major units to allow them to complete professional requirements.



Information Technology component:

- Six (6) Core IT units (72 credit points 48cp + 24cp core options)
- Ten (10) major core units (120 credit points)

International Course structure

Students are required to complete 384 credit points comprised of 192 credit points from the Bachelor of Information Technology program and 192 credit points from the Bachelor of Business program.

Business component:

- Eight Business School core units (96 credit points) *
- Eight major Core units (96 credit points)

*Accounting major students complete six business core units and 10 accounting major units to allow them to complete professional requirements.

Information Technology component:

- Six (6) core IT units (72 credit points - 48cp + 24cp core options)
- Ten (10) major core units (120 credit points)

Sample Structure

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2

Code	Title
Year 1, S	emester 1
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Business	School Unit
Business School Unit	
Year 1, S	emester 2
IFB104	Building IT Systems
IFB105	Database Management
Business	School Unit
Business	School Unit
Year 2, S	emester 1
IFB240	Cyber Security
IT Core L	Init Option
Business	School Unit
Business School Unit	
Note: Fro	m 2023 IFB240 will replace IT

Core Unit Option. IFB240 will become core unit.

Year 2, Semester 2 IT Major Unit IT Major Unit Business School Unit Business School Unit Year 3, Semester 1 IT Major Unit IT Major Unit Business School Unit Business School Unit Year 3, Semester 2

IT Major Unit IT Major Unit Business School Unit

Business School Unit

Year 4, Semester 1

IT Major Unit IT Major Unit Business School Unit Business School Unit

Year 4, Semester 2

IT Major Unit IT Major Unit Business School Unit Business School Unit

Semesters

- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Business Core Option Units

Code	Title
Year 1 Se	emester 1
BSB107	Financial Performance and Responsibility
BSB108	Business Environment
Unit from	the other degree component
Unit from	the other degree component
Year 1 Se	emester 2
BSB106	Dynamic Markets
Select a E	Business Core Option Unit
Unit from	the other degree component
Unit from	the other degree component
two Busin	151 is undertaken as one of the less Core Option Units if rofessional recognition upon n.
Year 2 Se	emester 1
AYB106	Accounting Processes and

		Systems
	BSB105	The Future Enterprise
	Unit from	the other degree component
	Unit from	the other degree component
	Year 2 Se	emester 2
	AYB201	Financial Accounting and Reporting
	AYB202	Management Accounting
	Unit from	the other degree component
	Unit from	the other degree component
	Year 3 Se	emester 1
	AYB203	Taxation
	BSB152	Financial Management
	Unit from	the other degree component
	Unit from	the other degree component
	two Busin	152 is undertaken as one of the less Core Option Units if rofessional recognition upon n
	Year 3 Se	
		Corporations Law
	BSB250	Business Citizenship
	Unit from	the other degree component
		the other degree component
	Year 4 Se	
	BSB399	Real World Ready - Business Capstone
	AYB340	Company Accounting
	Unit from	the other degree component
	Unit from	the other degree component
	Year 4 Se	emester 2
	AYB301	Audit and Assurance
	AYB339	Accountancy Capstone
	Unit from	the other degree component
	Unit from	the other degree component
	Business	Core Option Units
ſ	Select on	e Business Core Option Unit:
	BSB305	Undergraduate Business Internship
	DODOOO	Experiential Learning: Innovation, Ideas and
	BSB009	Enterprise Skills
	BSB009	
		Enterprise Skills

Systems

Semesters

- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Business Core Option Units

Code Title

Year 1 Semester 1



This information is correct as at 04/10/2022. For the most up-to-date course information, visit https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?courseCode=IX22&id=38615. CRICOS No.00213J

BSB105	The Future Enterprise
BSB106	Dynamic Markets
Unit from	the other course component
Unit from	the other course component
Year 1 Se	emester 2
BSB107	Financial Performance and Responsibility
AMB111	Advertising Works
Unit from	the other course component
	the other course component
Year 2 Se	emester 1
BSB108	Business Environment
AMB200	Understanding how Consumers Think, Feel, and (Mis)Behave
Unit from	the other course component
	the other course component
Year 2 Se	emester 2
AMB201	Marketing and Audience Analytics
AMB223	Create Advertising
	the other course component
	the other course component
Year 3 Se	
AMB224	Consumers and Media Channels
	Business Core Option Unit
	the other course component
	the other course component
Year 3 Se	
	Business Citizenship
	Business Core Option Unit
	the other course component
	the other course component
Year 4 Se	
AMB299 AMB330	Marketing Communication Digital Optimisation
	the other course component
	the other course component
Year 4 Se	
	Real World Ready - Business
BSB399	Capstone
AMB399	Capstone Experience
Unit from	the other course component
Unit from	the other course component
	Core Option Units
	o units from the following core
option un BSB151	Business Law and
BSB152	Governance
000102	Financial Management Experiential Learning:
BSB009	Innovation, Ideas and Enterprise Skills
BSB305	Undergraduate Business

000404	
BSB130	Social Enterprises
Semeste <u>Semeste</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Sem</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u> <u>Year</u>	ers lester 1 (Feburary) Entry r 1 Semester 1 r 2 Semester 2 r 2 Semester 1 r 3 Semester 2 r 3 Semester 2 r 4 Semester 2 homics Option Units hester 2 (July) Entry r 1 Semester 1 (July) r 1 Semester 2 (February) r 2 Semester 1 (July) r 2 Semester 2 (February) r 3 Semester 1 (July) r 3 Semester 1 (July)
• Yea	r 3 Semester 2 (February)
	r 4 Semester 1 (July) r 4 Semester 2 (February
• Ecor	nomics Option Units
	ness Core Option Units
Code	Title
Semester	1 (Feburary) Entry
	se progression relates to
February	entry. The course progressoin
-	ntry is underneath.
Year 1 Se	
BSB106	Dynamic Markets
BSB107	Financial Performance and Responsibility
	from other degree component
	from other degree component
Year 1 Se	
	Business Environment
EFB228	Microeconomics
	from other degree component
	from other degree component
Year 2 Se	
	The Future Enterprise
EFB229	Macroeconomics
	from other degree component
	from other degree component
Year 2 Se	emester 2
EFB222	Introduction to Applied Econometrics
	Business Core Option or
	cs Option Unit
	from other degree component
	from other degree component
Year 3 Se	
BSB250	Business Citizenship
	Business Core Option or cs Option Unit
Two units	from other degree component

Internship

Two units	from other degree component
Year 3 Se	emester 2
	Business Core Option or
	cs Option Unit
	Business Core Option or cs Option Unit
	•
	from other degree component
	from other degree component
Year 4 Se	emester 1
BSB399	Real World Ready - Business
000099	Capstone
Select a I	Business Core Option or
	cs Option Unit
Two units	from other degree component
	from other degree component
	emester 2
EFB338	Contemporary Application of
0-1	Economic Theory
	Business Core Option or
	cs Option Unit
	from other degree component
Two units	from other degree component
Economic	cs Option Units
Select 4 ((48cp) from the Economics Unit
Options li	sted below:
EFB210	Fundamentals of Finance
EFB225	Economics for the Real World
	Environmental Economics and
EFB226	Policy
	Applied Behavioural
EFB332	Economics
EFB333	Applied Econometrics
EFB336	International Economics
EFB337	Game Theory and
	Applications
EFB341	Development Economics: An
	Immersive Experience
EFB346	Market Structure and
21 2040	Regulation
EFB349	Macroeconomic Policy
Busin <u>ess</u>	Core Option Units
	o (24cp) units from the
	Core Options Units:
BUSINESS	•
Business	Experiential Learning
Business BSB009	Experiential Learning: Innovation, Ideas and
	Experiential Learning: Innovation, Ideas and Enterprise Skills
BSB009	Innovation, Ideas and Enterprise Skills
BSB009	Innovation, Ideas and Enterprise Skills Undergraduate Business
BSB009 BSB305	Innovation, Ideas and Enterprise Skills Undergraduate Business Internship
BSB009 BSB305 BSB131	Innovation, Ideas and Enterprise Skills Undergraduate Business Internship Applied Business Analytics
BSB009 BSB305	Innovation, Ideas and Enterprise Skills Undergraduate Business Internship Applied Business Analytics Social Enterprises
BSB009 BSB305 BSB131	Innovation, Ideas and Enterprise Skills Undergraduate Business Internship Applied Business Analytics Social Enterprises Business Law and
BSB009 BSB305 BSB131 BSB130 BSB151	Innovation, Ideas and Enterprise Skills Undergraduate Business Internship Applied Business Analytics Social Enterprises Business Law and Governance
BSB009 BSB305 BSB131 BSB130	Innovation, Ideas and Enterprise Skills Undergraduate Business Internship Applied Business Analytics Social Enterprises Business Law and
BSB009 BSB305 BSB131 BSB130 BSB151 BSB152	Innovation, Ideas and Enterprise Skills Undergraduate Business Internship Applied Business Analytics Social Enterprises Business Law and Governance
BSB009 BSB305 BSB131 BSB130 BSB151 BSB152 Semestel	Innovation, Ideas and Enterprise Skills Undergraduate Business Internship Applied Business Analytics Social Enterprises Business Law and Governance Financial Management
BSB009 BSB305 BSB131 BSB130 BSB151 BSB152 Semestel	Innovation, Ideas and Enterprise Skills Undergraduate Business Internship Applied Business Analytics Social Enterprises Business Law and Governance Financial Management 2 (July) Entry ression relates to mid-year

the university for the real world

BSB107	Financial Performance and
DODIOI	Responsibility
BSB106	Dynamic Markets
Two units	from other degree component
Two units	from other degree component
Year 1 Se	emester 2 (February)
BSB108	Business Environment
EFB228	Microeconomics
	from other degree component
	from other degree component
	emester 1 (July)
BSB105	· •
EFB229	Macroeconomics
	from other degree component
	• .
	from other degree component
Year 2 Se	emester 2 (February)
EFB222	Introduction to Applied
	Econometrics
	Business Core Option unit or
	s Option Unit
Two units	from other degree component
Two units	from other degree component
Year 3 Se	emester 1 (July)
	Business Citizenship
	Business Core Option unit or
	susiness Core Option unit of
	•
I wo units	from other degree component
Two units	from other degree component
	from other degree component emester 2 (February)
Year 3 Se	emester 2 (February)
Year 3 Se Select a E	,
Year 3 Se Select a E Economic	emester 2 (February) Business Core Option unit or
Year 3 Se Select a E Economic Select a E	emester 2 (February) Business Core Option unit or es Option Unit
Year 3 Se Select a E Economic Select a E Economic	emester 2 (February) Business Core Option unit or es Option Unit Business Core Option unit or es Option Unit
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Year 3 Se Select a E Economic Select a E Economic Two units	emester 2 (February) Business Core Option unit or es Option Unit Business Core Option unit or es Option Unit from other degree component from other degree component
Year 3 Se Select a E Economic Select a E Economic Two units	emester 2 (February) Business Core Option unit or the Soption Unit Business Core Option unit or the Soption Unit from other degree component from other degree component emester 1 (July)
Year 3 Se Select a E Economic Select a E Economic Two units	emester 2 (February) Business Core Option unit or the Soption Unit Business Core Option unit or the Soption Unit from other degree component from other degree component emester 1 (July) Contemporary Application of
Year 3 Se Select a E Economic Select a E Economic Two units Two units Year 4 Se EFB338	emester 2 (February) Business Core Option unit or ss Option Unit Business Core Option unit or ss Option Unit from other degree component from other degree component emester 1 (July) Contemporary Application of Economic Theory
Year 3 Se Select a E Economic Select a E Economic Two units Two units Year 4 Se EFB338 Select a E	emester 2 (February) Business Core Option unit or the Soption Unit Business Core Option unit or the Soption Unit from other degree component from other degree component emester 1 (July) Contemporary Application of
Year 3 Se Select a E Economic Select a E Economic Two units Two units Year 4 Se EFB338 Select a E Economic	emester 2 (February) Business Core Option unit or the Soption Unit Business Core Option unit or the Soption Unit from other degree component from other degree component from other degree component emester 1 (July) Contemporary Application of Economic Theory Business Core Option unit or
Year 3 Se Select a E Economic Select a E Economic Two units Two units Year 4 Se EFB338 Select a E Economic Two units	emester 2 (February) Business Core Option unit or ss Option Unit Business Core Option unit or ss Option Unit from other degree component from other degree component emester 1 (July) Contemporary Application of Economic Theory Business Core Option unit or ss Option Unit from other degree component
Year 3 Se Select a E Economic Select a E Economic Two units Year 4 Se EFB338 Select a E Economic Two units Two units	emester 2 (February) Business Core Option unit or ss Option Unit Business Core Option unit or ss Option Unit from other degree component from other degree component emester 1 (July) Contemporary Application of Economic Theory Business Core Option unit or ss Option Unit from other degree component from other degree component
Year 3 Se Select a E Economic Select a E Economic Two units Year 4 Se EFB338 Select a E Economic Two units Two units	emester 2 (February) Business Core Option unit or as Option Unit Business Core Option unit or as Option Unit from other degree component from other degree component emester 1 (July) Contemporary Application of Economic Theory Business Core Option unit or as Option Unit from other degree component from other degree component from other degree component from other degree component from other degree component
Year 3 Se Select a E Economic Select a E Economic Two units Year 4 Se EFB338 Select a E Economic Two units Two units	emester 2 (February) Business Core Option unit or as Option Unit Business Core Option unit or as Option Unit from other degree component from other degree component emester 1 (July) Contemporary Application of Economic Theory Business Core Option unit or as Option Unit from other degree component from other degree component from other degree component emester 2 (February Real World Ready - Business
Year 3 Se Select a E Economic Select a E Economic Two units Year 4 Se EFB338 Select a E Economic Two units Two units Year 4 Se BSB399	emester 2 (February) Business Core Option unit or as Option Unit Business Core Option unit or as Option Unit from other degree component from other degree component emester 1 (July) Contemporary Application of Economic Theory Business Core Option unit or as Option Unit from other degree component from other degree component from other degree component emester 2 (February Real World Ready - Business Capstone
Year 3 Se Select a E Economic Select a E Economic Two units Two units Year 4 Se EFB338 Select a E Economic Two units Year 4 Se BSB399 Select a E	emester 2 (February) Business Core Option unit or ss Option Unit Business Core Option unit or ss Option Unit from other degree component from other degree component emester 1 (July) Contemporary Application of Economic Theory Business Core Option unit or ss Option Unit from other degree component from other degree component from other degree component emester 2 (February Real World Ready - Business Capstone Business Core Option unit or
Year 3 Se Select a E Economic Select a E Economic Two units Year 4 Se EFB338 Select a E Economic Two units Year 4 Se BSB399 Select a E Economic	emester 2 (February) Business Core Option unit or as Option Unit Business Core Option unit or as Option Unit from other degree component from other degree component emester 1 (July) Contemporary Application of Economic Theory Business Core Option unit or as Option Unit from other degree component from other degree component from other degree component emester 2 (February Real World Ready - Business Capstone Business Core Option unit or as Option Unit
Year 3 Se Select a E Economic Select a E Economic Two units Year 4 Se EFB338 Select a E Economic Two units Year 4 Se BSB399 Select a E Economic Two units	emester 2 (February) Business Core Option unit or as Option Unit Business Core Option unit or as Option Unit from other degree component from other degree component emester 1 (July) Contemporary Application of Economic Theory Business Core Option unit or as Option Unit from other degree component from other degree component emester 2 (February Real World Ready - Business Capstone Business Core Option unit or as Option Unit from other degree component
Year 3 Se Select a E Economic Select a E Economic Two units Year 4 Se EFB338 Select a E Economic Two units Year 4 Se BSB399 Select a E Economic Two units Two units Two units Two units	emester 2 (February) Business Core Option unit or as Option Unit Business Core Option unit or as Option Unit from other degree component from other degree component emester 1 (July) Contemporary Application of Economic Theory Business Core Option unit or as Option Unit from other degree component from other degree component emester 2 (February Real World Ready - Business Capstone Business Core Option unit or as Option Unit from other degree component from other degree component
Year 3 Se Select a E Economic Select a E Economic Two units Year 4 Se EFB338 Select a E Economic Two units Year 4 Se BSB399 Select a E Economic Two units Two units Two units Select a E Economic	emester 2 (February) Business Core Option unit or ss Option Unit Business Core Option unit or ss Option Unit from other degree component from other degree component emester 1 (July) Contemporary Application of Economic Theory Business Core Option unit or ss Option Unit from other degree component from other degree component emester 2 (February Real World Ready - Business Capstone Business Core Option unit or ss Option Unit from other degree component from other degree component so Option Unit from other degree component from other degree component so Option Unit from other degree component from other degree component from other degree component
Year 3 Se Select a E Economic Select a E Economic Two units Year 4 Se EFB338 Select a E Economic Two units Year 4 Se BSB399 Select a E Economic Two units Two units Select a E Economic Two units Select a E Economic Select 4 (emester 2 (February) Business Core Option unit or as Option Unit Business Core Option unit or as Option Unit from other degree component from other degree component emester 1 (July) Contemporary Application of Economic Theory Business Core Option unit or as Option Unit from other degree component from other degree component emester 2 (February Real World Ready - Business Capstone Business Core Option unit or as Option Unit from other degree component from other degree component as Option Unit from other degree component from other degree component
Year 3 Se Select a E Economic Select a E Economic Two units Year 4 Se EFB338 Select a E Economic Two units Year 4 Se BSB399 Select a E Economic Two units Two units Two units Select a E Economic Two units Select a E Economic	emester 2 (February) Business Core Option unit or as Option Unit Business Core Option unit or as Option Unit from other degree component from other degree component emester 1 (July) Contemporary Application of Economic Theory Business Core Option unit or as Option Unit from other degree component from other degree component emester 2 (February Real World Ready - Business Capstone Business Core Option unit or as Option Unit from other degree component from other degree component
Year 3 Se Select a E Economic Select a E Economic Two units Year 4 Se EFB338 Select a E Economic Two units Year 4 Se BSB399 Select a E Economic Two units Two units Two units Two units Economic Select 4 (Economic Select 4 (emester 2 (February) Business Core Option unit or as Option Unit Business Core Option unit or as Option Unit from other degree component from other degree component emester 1 (July) Contemporary Application of Economic Theory Business Core Option unit or as Option Unit from other degree component from other degree component emester 2 (February Real World Ready - Business Capstone Business Core Option unit or as Option Unit from other degree component from other degree component
Year 3 Se Select a E Economic Select a E Economic Two units Year 4 Se EFB338 Select a E Economic Two units Year 4 Se BSB399 Select a E Economic Two units Two units Two units Select a E Economic Two units Select a E Economic	emester 2 (February) Business Core Option unit or as Option Unit Business Core Option unit or as Option Unit from other degree component from other degree component emester 1 (July) Contemporary Application of Economic Theory Business Core Option unit or as Option Unit from other degree component from other degree component emester 2 (February Real World Ready - Business Capstone Business Core Option unit or as Option Unit from other degree component from other degree component

	Dellass	
	Policy	
EFB332	Applied Behavioural Economics	
EFB333	Applied Econometrics	
EFB336	International Economics	
EFB337	Game Theory and Applications	
EFB341	Development Economics: An Immersive Experience	
EFB346	Market Structure and Regulation	
EFB349	Macroeconomic Policy	
Busine <u>ss</u>	Core Option Units	
Select 2 (24 credit points) from the	
	Core Options List:	
BSB131	Applied Business Analytics	
BSB130	Social Enterprises	
BSB151	Business Law and Governance	
BSB152	Financial Management	
BSB305	Undergraduate Business Internship	
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills	
Semesters • Year 1 Semester 1 • Year 1 Semester 2 • Year 2 Semester 1 • Year 2 Semester 2 • Year 3 Semester 1 • Year 3 Semester 2 • Year 4 Semester 1 • Year 4 Semester 2 • Business Core Option Units list		
Code	Title	

00000		
Year 1 Semester 1		
BSB106	Dynamic Markets	
BSB107	Financial Performance and Responsibility	
Two units	from other degree component	
Two units	from other degree component	
Year 1 Semester 2		
BSB108	Business Environment	
EFB231	Economics	
Two units	from other degree component	
Two units	from other degree component	
Year 2 Semester 1		
BSB105	The Future Enterprise	
EFB201	Financial Markets	
Two units	from other degree component	
Two units	from other degree component	
Year 2 Semester 2		
EFB210	Fundamentals of Finance	
EFB222	Introduction to Applied Econometrics	
Two units	from other degree component	

i wo units	from other degree component		
Year 3 Se	emester 1		
BSB250	Business Citizenship		
Select a B	Business Core Option unit		
Two units	from other degree component		
Two units from other degree component			
Year 3 Se	emester 2		
EFB335	Investments		
EFB343	Corporate Finance		
	from other degree component		
Two units	from other degree component		
Year 4 Se	emester 1		
EFB344	Risk Management and Derivatives		
EFB360	Finance Capstone		
Two units	from other degree component		
	from other degree component		
Year 4 Se	Year 4 Semester 2		
BSB399	Real World Ready - Business Capstone		
Select a E	Capstone Business Core Option Unit		
Select a E Two units	Capstone Business Core Option Unit from other degree component		
Select a E Two units Two units	Capstone Business Core Option Unit from other degree component		
Select a B Two units Two units Business Select two	Capstone Business Core Option Unit from other degree component from other degree component		
Select a B Two units Two units Business Select two	Capstone Business Core Option Unit from other degree component from other degree component Core Option Units list o units (24cp) from the		
Select a E Two units Two units Business Select two Business	Capstone Business Core Option Unit from other degree component from other degree component Core Option Units list o units (24cp) from the Core Options Units: Business Law and		
Select a F Two units Two units Business Select two Business BSB151	Capstone Business Core Option Unit from other degree component from other degree component Core Option Units list o units (24cp) from the Core Options Units: Business Law and Governance		
Select a B Two units Two units Business Select tw Business BSB151 BSB152	Business Core Option Unit from other degree component from other degree component Core Option Units list o units (24cp) from the Core Options Units: Business Law and Governance Financial Management Experiential Learning: Innovation, Ideas and		
Select a F Two units Two units Business Select tw Business BSB151 BSB152 BSB009	Capstone Business Core Option Unit from other degree component from other degree component Core Option Units list o units (24cp) from the Core Options Units: Business Law and Governance Financial Management Experiential Learning: Innovation, Ideas and Enterprise Skills Undergraduate Business		

Semesters

- Semester 1 (February) Entry
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
 Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Business Core Option Units:
- Semester 2 (July) Entry
- Year 1 Semester 1 (July)
- Year 1 Semester 2 (February)
- Year 2 Semester 1 (July)
 Year 2 Semester 2 (February)
- Year 3 Semster 1 (July)
- Year 3 Semester 2 (February)
- Year 4 Semester 1 (July)
- Year 4 Semester 2 (February) • Business Core Option Units list:

Code Title

Semester 1 (February) Entry the university for the real world

This course progression relates to February entry. The course progressoin for July entry is underneath. Year 1 Semester 1 **Financial Performance and BSB107** Responsibility BSB108 Business Environment Two units from other degree component Two units from other degree component Year 1 Semester 2 BSB105 The Future Enterprise BSB106 Dynamic Markets Two units from other degree component Two units from other degree component Year 2 Semester 1 Select a Business Core Option Unit Select a Business Core Option Unit Two units from other degree component Two units from other degree component Students seeking professional recognition must undertake BSB151 as one of the Business Core Option units Year 2 Semester 2 AYB203 Taxation EFB210 Fundamentals of Finance Two units from other degree component Two units from other degree component Year 3 Semester 1 AYB250 Personal Financial Planning BSB250 Business Citizenship Two units from other degree component Two units from other degree component Year 3 Semester 2 **Financial Services Regulation** AYB232 and Law Superannuation and **AYB240 Retirement Planning** Two units from other degree component Two units from other degree component Year 4 Semester 1 Insurance, Risk Management **EFB227** and Estate Planning Managing Investments and **EFB345 Client Relationships** Two units from other degree component Two units from other degree component Year 4 Semester 2 **Financial Plan Construction** AYB346 (Capstone) Real World Ready - Business **BSB399** Capstone Two units from other degree component Two units from other degree component **Business Core Option Units: Experiential Learning:**

	Innovation, Ideas and Enterprise Skills
BSB305	Undergraduate Business Internship
BSB131	Applied Business Analytics
BSB130	Social Enterprises
BSB151	Business Law and Governance
BSB152	Financial Management
Semester	2 (July) Entry
This prog (July) ent	ression relates to mid-year ry.
Year 1 Se	emester 1 (July)
BSB107	Financial Performance and
DCD100	Responsibility Business Environment
BSB108	from other degree component
	from other degree component
	emester 2 (February)
	The Future Enterprise
	Business Core Option Unit
	from other degree component
	from other degree component
	seeking professional
	on must undertake BSB151 as
one of the	Business Core Option units.
Year 2 Se	emester 1 (July)
BSB106	Dynamic Markets
EFB210	Fundamentals of Finance
	from other degree component
	from other degree component
Year 2 Se	emester 2 (February)
Year 2 Se AYB250	emester 2 (February) Personal Financial Planning
Year 2 Se AYB250 AYB203	emester 2 (February) Personal Financial Planning Taxation
Year 2 Se AYB250 AYB203 Two units	emester 2 (February) Personal Financial Planning Taxation from other degree component
Year 2 Se AYB250 AYB203 Two units Two units	Personal Financial Planning Taxation from other degree component from other degree component
Year 2 Se AYB250 AYB203 Two units Two units	emester 2 (February) Personal Financial Planning Taxation from other degree component from other degree component emster 1 (July)
Year 2 Se AYB250 AYB203 Two units Two units Year 3 Se AYB240	emester 2 (February) Personal Financial Planning Taxation from other degree component from other degree component emster 1 (July) Superannuation and Retirement Planning
Year 2 Se AYB250 AYB203 Two units Two units Year 3 Se AYB240 BSB250	emester 2 (February) Personal Financial Planning Taxation from other degree component from other degree component emster 1 (July) Superannuation and Retirement Planning Business Citizenship
Year 2 Se AYB250 AYB203 Two units Two units Year 3 Se AYB240 BSB250 Two units	emester 2 (February) Personal Financial Planning Taxation from other degree component from other degree component emster 1 (July) Superannuation and Retirement Planning Business Citizenship from other degree component
Year 2 Se AYB250 AYB203 Two units Two units Year 3 Se AYB240 BSB250 Two units Two units	emester 2 (February) Personal Financial Planning Taxation from other degree component from other degree component emster 1 (July) Superannuation and Retirement Planning Business Citizenship from other degree component from other degree component
Year 2 Se AYB250 AYB203 Two units Two units Year 3 Se AYB240 BSB250 Two units Two units	emester 2 (February) Personal Financial Planning Taxation from other degree component from other degree component emster 1 (July) Superannuation and Retirement Planning Business Citizenship from other degree component from other degree component emester 2 (February)
Year 2 Se AYB250 AYB203 Two units Two units Year 3 Se AYB240 BSB250 Two units Two units	emester 2 (February) Personal Financial Planning Taxation from other degree component from other degree component emster 1 (July) Superannuation and Retirement Planning Business Citizenship from other degree component from other degree component emester 2 (February) Insurance, Risk Management and Estate Planning
Year 2 Se AYB250 AYB203 Two units Two units Year 3 Se AYB240 BSB250 Two units Two units Year 3 Se EFB227 EFB345	emester 2 (February) Personal Financial Planning Taxation from other degree component from other degree component emster 1 (July) Superannuation and Retirement Planning Business Citizenship from other degree component from other degree component emester 2 (February) Insurance, Risk Management and Estate Planning Managing Investments and Client Relationships
Year 2 Se AYB250 AYB203 Two units Two units Year 3 Se AYB240 BSB250 Two units Year 3 Se EFB227 EFB345 Two units	emester 2 (February) Personal Financial Planning Taxation from other degree component from other degree component emster 1 (July) Superannuation and Retirement Planning Business Citizenship from other degree component from other degree component emester 2 (February) Insurance, Risk Management and Estate Planning Managing Investments and Client Relationships from other degree component
Year 2 Se AYB250 AYB203 Two units Year 3 Se AYB240 BSB250 Two units Year 3 Se EFB227 EFB345 Two units Two units	emester 2 (February) Personal Financial Planning Taxation from other degree component from other degree component emster 1 (July) Superannuation and Retirement Planning Business Citizenship from other degree component from other degree component emester 2 (February) Insurance, Risk Management and Estate Planning Managing Investments and Client Relationships from other degree component from other degree component from other degree component
Year 2 Se AYB250 AYB203 Two units Two units Year 3 Se AYB240 BSB250 Two units Year 3 Se EFB227 EFB345 Two units Two units Year 4 Se	emester 2 (February) Personal Financial Planning Taxation from other degree component from other degree component emster 1 (July) Superannuation and Retirement Planning Business Citizenship from other degree component from other degree component emester 2 (February) Insurance, Risk Management and Estate Planning Managing Investments and Client Relationships from other degree component
Year 2 Se AYB250 AYB203 Two units Two units Year 3 Se AYB240 BSB250 Two units Two units Year 3 Se EFB227 EFB345 Two units Two units Year 4 Se AYB232	emester 2 (February) Personal Financial Planning Taxation from other degree component from other degree component emster 1 (July) Superannuation and Retirement Planning Business Citizenship from other degree component from other degree component emester 2 (February) Insurance, Risk Management and Estate Planning Managing Investments and Client Relationships from other degree component from other degree component and Estate Planning
Year 2 Se AYB250 AYB203 Two units Two units Year 3 Se AYB240 BSB250 Two units Two units Year 3 Se EFB227 EFB345 Two units Year 4 Se AYB232 AYB346	emester 2 (February) Personal Financial Planning Taxation from other degree component from other degree component emster 1 (July) Superannuation and Retirement Planning Business Citizenship from other degree component from other degree component emester 2 (February) Insurance, Risk Management and Estate Planning Managing Investments and Client Relationships from other degree component from other degree component

Year 4 Se BSB399	emester 2 (February) Real World Ready - Business	
	Capstone	
Select a Business Core Option Unit.		
Two units from other degree component		
Two units	from other degree component	
Business	Core Option Units list:	
Select two units from the Business Core Option list below:		
BSB152	Financial Management	
BSB131	Applied Business Analytics	
BSB130	Social Enterprises	
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills	
BSB305	Undergraduate Business Internship	
BSB151	Business Law and Governance	
Semesters • Year 1 Semester 1 • Year 1 Semester 2 • Year 2 Semester 1		

- Year 2 Semester 2
- Year 3 Semester 1 Year 3 Semester 2
- Year 4 Semester 1 Year 4 Semester 2
- Business Core Option Units:

Code	Title	
Year 1 Semester 1		
BSB105	The Future Enterprise	
BSB108	Business Environment	
Two units	from other degree component.	
Two units	from other degree component.	
Year 1 Se	emester 2	
BSB106	Dynamic Markets	
MGB13 0	Managing People	
Two units	from other degree component.	
Two units	from other degree component.	
Year 2 Se	emester 1	
BSB107	Financial Performance and Responsibility	
MGB13 1	Introducing Human Resource Management	
Two units	from other degree component.	
Two units	from other degree component.	
Year 2 Se	emester 2	
MGB13 2	Obligations and Options for Employing People	
Select a unit from the Business Core Option Unit list.		
Two units	from other degree component.	
Two units	from other degree component.	
Year 3 Se	emester 1	
bo u	RUI QUI	

BSB009

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	or or Dusiness/Ducheior C	
MGB23 0	Recruiting and Selecting People	
BSB250	Business Citizenship	
Two units	from other degree component	
Two units	from other degree component	
Year 3 Se	emester 2	
MGB23 1	Developing Talent	
MGB23 2	Managing Performance and Rewards	
Two units	from other degree component	
Two units	from other degree component.	
Year 4 Se	emester 1	
MGB37 1	Contemporary Issues in Human Resource Management	
Select a u Options li	unit from the Business Core st.	
Two units	from other degree component.	
Two units	from other degree component	
Year 4 Semester 2		
Year 4 Se	emester 2	
Year 4 Se MGB37 2	emester 2 Creating Value through People	
MGB37	Creating Value through	
MGB37 2 BSB399	Creating Value through People Real World Ready - Business Capstone	
MGB37 2 BSB399 Two units	Creating Value through People Real World Ready - Business Capstone from other degree component	
MGB37 2 BSB399 Two units Two units	Creating Value through People Real World Ready - Business	
MGB37 2 BSB399 Two units Two units Business Select two	Creating Value through People Real World Ready - Business Capstone from other degree component from other degree component	
MGB37 2 BSB399 Two units Two units Business Select two Business	Creating Value through People Real World Ready - Business Capstone from other degree component. from other degree component. Core Option Units: o units (24cp) from the	
MGB37 2 BSB399 Two units Two units Business Select two Business below:	Creating Value through People Real World Ready - Business Capstone from other degree component. Core Option Units: o units (24cp) from the Core Options Units listed Experiential Learning: Innovation, Ideas and	
MGB37 2 BSB399 Two units Two units Business Select tw Business below: BSB009	Creating Value through People Real World Ready - Business Capstone from other degree component from other degree component Core Option Units: o units (24cp) from the Core Options Units listed Experiential Learning: Innovation, Ideas and Enterprise Skills	
MGB37 2 BSB399 Two units Two units Business Select tw Business below: BSB009 BSB130	Creating Value through People Real World Ready - Business Capstone from other degree component from other degree component Core Option Units: o units (24cp) from the Core Options Units listed Experiential Learning: Innovation, Ideas and Enterprise Skills Social Enterprises	
MGB37 2 BSB399 Two units Two units Business Select tw Business below: BSB009 BSB130 BSB131	Creating Value through People Real World Ready - Business Capstone from other degree component. Core Option Units: o units (24cp) from the Core Options Units listed Experiential Learning: Innovation, Ideas and Enterprise Skills Social Enterprises Applied Business Analytics Undergraduate Business	
MGB37 2 BSB399 Two units Two units Business Select tw Business below: BSB009 BSB130 BSB131 BSB305	Creating Value through People Real World Ready - Business Capstone from other degree component. from other degree component. Core Option Units: o units (24cp) from the Core Options Units listed Experiential Learning: Innovation, Ideas and Enterprise Skills Social Enterprises Applied Business Analytics Undergraduate Business Internship Business Law and	

Semesters

- Semester 1 (February) Entry
- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
 Year 3, Semester 2
- Year 3, Semester 2
 Year 4, Semester 1
- Year 4, Semester 2
- Core Options Units
- Semester 2 (July) Entry
- Year 1 Semester 1 (July)
- Year 1 Semester 2 (February)
- Year 2 Semester 1 (July)
 Voor 2 Semester 2 (February)
- Year 2 Semester 2 (February)
 Year 3 Semester 1 (July)
- Year 3 Semester 2 (February)
- Year 4 Semester 1 (July)

• Year 4 Semester 2 (February) Code Title Semester 1 (February) Entry Semester 1 and Semester 2 commencement follow different core progressions. The Semester 2 (mid-year July) entry course progression is presented below the Semester 1 (February) entry course progression. Year 1, Semester 1 BSB106 Dynamic Markets BSB108 Business Environment Unit from the other degree component Unit from the other degree component Year 1, Semester 2 BSB105 The Future Enterprise AMB110 Internationalisation Unit from the other degree component Unit from the other degree component Year 2, Semester 1 Financial Performance and **BSB107** Responsibility Intercultural Communication MGB22 and Negotiation Skills 5 Unit from the other degree component Unit from the other degree component Year 2, Semester 2 AYB227 International Accounting Select a Business Core Option Unit. Unit from the other degree component Unit from the other degree component Year 3, Semester 1 MGB34 International Business in the Asia-Pacific 0 BSB250 Business Citizenship Unit from the other degree component Unit from the other degree component Year 3, Semester 2 Finance for International EFB240 **Business** AMB303 International Logistics Unit from the other degree component Unit from the other degree component Year 4, Semester 1 Real World Ready - Business **BSB399** Capstone AMB336 International Marketing Unit from the other degree component Unit from the other degree component Year 4, Semester 2 AMB399 Capstone Experience Select a unit from the Business Core Options List.

Unit from the other degree component Unit from the other degree component

	ons Units
the follow	o units (24 credit points) from
BSB130	Social Enterprises
BSB130	Applied Business Analytics
DODIST	Undergraduate Business
BSB305	Internship
BSB151	Business Law and Governance
BSB152	Financial Management
	Experiential Learning:
BSB009	Innovation, Ideas and
	Enterprise Skills
	2 (July) Entry
year (July	v progession relates to mid-
	emester 1 (July)
	Dynamic Markets
BSB108	Business Environment
	the other degree component
	the other degree component
	emester 2 (February)
	The Future Enterprise
AMB110	Internationalisation
	the other degree component
	the other degree component
Year 2 Se	emester 1 (July)
BSB107	Financial Performance and Responsibility
MGB22 5	Intercultural Communication and Negotiation Skills
Unit from	the other degree component
Unit from	the other degree component
Year 2 Se	emester 2 (February)
AYB227	International Accounting
Select a E	Business Core Option unit
Unit from	the other degree component
Unit from	the other degree component
Year 3 Se	emester 1 (July)
EFB240	Finance for International Business
MGB34 0	International Business in the Asia-Pacific
Unit from	the other degree component
	the other degree component
	emester 2 (February)
	International Logistics
	Business Citizenship
BSB250	
BSB250	the other degree component
BSB250 Unit from	the other degree component the other degree component
BSB250 Unit from Unit from	
BSB250 Unit from Unit from Year 4 Se	the other degree component
BSB250 Unit from Unit from Year 4 Se AMB336	the other degree component emester 1 (July)

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Unit from the other degree component

This information is correct as at 04/10/2022. For the most up-to-date course information, visit https://qulvitual4.qut.edu.au/group/student/enrolment/courses/course?course?code=IX22&id=38615. CRICOS No.00213J

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Year 4 Semester 2 (February)	
AMB399	Capstone Experience
BSB399	Real World Ready - Business Capstone
Unit from the other degree component	
Unit from the other degree component	

Semesters

- Year 1 Semester 1
- Year 1 Semester 2
- ٠ Year 2 Semester 1
- Year 2 Semester 2 ٠
- Year 3 Semester 1
- Year 3 Semester 2
- ٠ Year 4 Semester 1
- Year 4 Semester 2 ٠
- **Business Core Option Unit List**

Code	Title
Year 1 Se	emester 1
BSB105	The Future Enterprise
BSB108	Business Environment
Unit from	the other degree component
Unit from	the other degree component
Year 1 Se	emester 2
BSB107	Financial Performance and Responsibility
MGB13 0	Managing People
Unit from	the other degree component
Unit from	the other degree component
Year 2 Se	emester 1
BSB106	Dynamic Markets
Select a l	Business Core Option Unit
Unit from	the other degree component
Unit from	the other degree component
Veerac	
rear 2 Se	emester 2
MGB13 3	Managing Strategy
MGB13 3	
MGB13 3	Managing Strategy
MGB13 3 Select on MGB23	Managing Strategy e of the following two units:
MGB13 3 Select on MGB23 3 MGB23 4	Managing Strategy e of the following two units: Entrepreneurship Managing Knowledge,
MGB13 3 Select on MGB23 3 MGB23 4 Unit from	Managing Strategy e of the following two units: Entrepreneurship Managing Knowledge, Innovation, and Creativity
MGB13 3 Select on MGB23 3 MGB23 4 Unit from	Managing Strategy e of the following two units: Entrepreneurship Managing Knowledge, Innovation, and Creativity the other degree component the other degree component
MGB13 3 Select on MGB23 3 MGB23 4 Unit from Unit from	Managing Strategy e of the following two units: Entrepreneurship Managing Knowledge, Innovation, and Creativity the other degree component the other degree component
MGB13 3 Select on MGB23 3 MGB23 4 Unit from Unit from Year 3 Se MGB23	Managing Strategy e of the following two units: Entrepreneurship Managing Knowledge, Innovation, and Creativity the other degree component the other degree component emester 1 Monitoring and Managing
MGB13 3 Select on MGB23 3 MGB23 4 Unit from Year 3 Se MGB23 5 BSB250	Managing Strategy e of the following two units: Entrepreneurship Managing Knowledge, Innovation, and Creativity the other degree component the other degree component emester 1 Monitoring and Managing Operational Performance
MGB13 3 Select on MGB23 3 MGB23 4 Unit from Year 3 Se MGB23 5 BSB250 Unit from	Managing Strategy e of the following two units: Entrepreneurship Managing Knowledge, Innovation, and Creativity the other degree component the other degree component emester 1 Monitoring and Managing Operational Performance Business Citizenship
MGB13 3 Select on MGB23 3 MGB23 4 Unit from Year 3 Se MGB23 5 BSB250 Unit from	Managing Strategy e of the following two units: Entrepreneurship Managing Knowledge, Innovation, and Creativity the other degree component the other degree component emester 1 Monitoring and Managing Operational Performance Business Citizenship the other degree component the other degree component

MGB23 6	Identifying and Managing Risk	
Select a Business Core Option Unit		
Unit from the other degree component		
Unit from	the other degree component	

Year 4 Semester 1		
BSB399	Real World Ready - Business Capstone	
MGB23 7	Managing Projects for Performance	
Unit from the other degree component		
Unit from	the other degree component	
Year 4 Semester 2		
MGB34 8	Implementing Sustainable Change	
MGB34 9	Creating Strategic Solutions for Sustainable Business Growth	
Unit from	the other degree component	
Unit from	the other degree component	
Business	Core Option Unit List	
Select tw Core Opt	o from the following Business ion Units:	
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills	
BSB305	Undergraduate Business Internship	
BSB151	Business Law and Governance	
BSB130	Social Enterprises	
BSB152	Financial Management	
BSB131	Applied Business Analytics	

Semesters

- Year 1 Semester 1
- Year 1 Semester 2
 Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1 ٠
- Year 4 Semester 2
- Notes
- Marketing Streams Business Core Option Units

Title Code

Year 1 Semester 1		
BSB105	The Future Enterprise	
BSB106	Dynamic Markets	
Unit from	the other degree component	
Unit from the other degree component		
Year 1 Semester 2		
BSB107	Financial Performance and Responsibility	
AMB140	Marketplace Simulation	
Unit from the other degree component		
Unit from the other degree component		
Year 2 Semester 1		
BSB108	Business Environment	
Select a Business Core Option Unit or a Marketing Stream Unit		
Unit from the other degree component		

Unit from	the other degree component	
Year 2 Se	emester 2	
AMB200	Understanding how Consumers Think, Feel, and (Mis)Behave	
	Business Core Option Unit or a 9 Stream Unit	
Unit from	the other degree component	
Unit from	the other degree component	
Year 3 Se	emester 1	
AMB201	Marketing and Audience Analytics	
AMB299	Marketing Communication	
Unit from	the other degree component	
	the other degree component	
	emester 2	
BSB250		
AMB340	Marketing Service Experiences	
Unit from	the other degree component	
	the other degree component	
	emester 1	
	Capstone Experience	
	Business Core Option Unit or a 9 Stream Unit	
Unit from	the other degree component	
Unit from	the other degree component	
Year 4 Se	emester 2	
BSB399	Real World Ready - Business Capstone	
Select a Business Core Option Unit or a Marketing Stream Unit		
Unit from	the other degree component	
Unit from	the other degree component	
Notes		
Select a E Marketing structure for when elected tv	Business Core Option Unit or a g Stream Unit appears in this four times to provide flexibility students can undertake their vo (2) Business Core Option two (2) Marketing Stream	
Marketing) Streams	
Select two the Marke selected f multiple s	o units (24 credit points) from eting Streams. Units may be from one stream or from treams.	
CONSUME	r Insight Through Data Stream	

Consumer Insight Through Data Stream		
AMB305	Analysis for Consumer Insights	
AMB306	Designing Consumer Research	
Marketing Through Innovation Stream		
AMB211	Branding for the Real World	
AMB251	Designing Innovative Goods and Services	
Marketing Across Borders Stream		



AMB120	Bridging Cultures		
AMB336	International Marketing		
Leisure Industry Marketing Stream			
AMB207	Entertainment Marketing in a Digital World		
AMB209	Designing a Competitive Tourism Strategy		
Social Ch Stream	ange Through Marketing		
AMB255	Avoiding the Dark Side: Marketing, Ethics and Society		
AMB355	Marketing Behavioural and Social Change		
Business	Core Option Units		
	o untis from the following Core Options list:		
BSB305	Undergraduate Business Internship		
BSB151	Business Law and Governance		
BSB152	Financial Management		
BSB130	Social Enterprises		
BSB131	Applied Business Analytics		
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills		

Semesters

- <u>Semester 1 (February) Entry</u>
- ٠ Year 1 Semester 1
- Year 1 Semester 2 ٠
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1 ٠
- Year 3 Semester 2 •
- Year 4 Semester 1 Year 4 Semester 2
- **Business Core Options List** ٠
- ٠ Semester 2 (July) Entry
- Year 1 Semester 1 (July) ٠
- Year 1 Semester 2 (February)
- Year 2 Semester 1 (July)
- Year 2 Semester 2 (February) •
- Year 3 Semester 1 (July) •
- Year 3 Semester 2 (February) •
- Year 4 Semester 1 (July)
- Year 4 Semester 2 (February) •

Code Title

Semester 1 (February) Entry

There are different course progressions for Semester 1 (February) and Semester 2 (July) commencement. This is the Semester 1 entry course progression. The Semester 2 (July) entry course progression is presented below that. Year 1 Semester 1 BSB105 The Future Enterprise BSB108 Business Environment

Unit from other	degree	component
Unit from other	degree	component

Year 1 Semester 2

BSB106	Dynamic Markets	
AMB163	Introduction to Public Relations	
Unit from	other degree component	
Unit from	other degree component	
Year 2 Se	-	
	Financial Performance and	
BSB107	Responsibility	
AMB164	Media Relations and Publicity	
Unit from	other degree component	
Unit from	other degree component	
Year 2 Se	emester 2	
AMB299	Marketing Communication	
AMB201	Marketing and Audience Analytics	
Unit from	other degree component	
Unit from	other degree component	
Year 3 Se	• .	
AMB373	Issues, Stakeholders and Reputation	
Select a E	Business Core Option Unit	
Unit from	other degree component	
	other degree component	
Year 3 Se		
BSB250	Business Citizenship	
DOD200	Internal Communication and	
AMB375	Change	
	other degree component	
	other degree component	
Year 4 Se		
AMB374	Global Public Relations Cases	
BSB399	Real World Ready - Business Capstone	
Unit from	other degree component	
Unit from	other degree component	
Year 4 Se	emester 2	
AMB399	Capstone Experience	
	Business Core Option Unit	
	other degree component	
	other degree component	
	Core Options List	
Select two of the following Business Core Option Units:		
	Experiential Learning:	
BSB009	Innovation, Ideas and Enterprise Skills	
BSB305	Undergraduate Business Internship	
BSB130	Social Enterprises	
BSB131	Applied Business Analytics	
BSB151	Business Law and Governance	
BSB152	Financial Management	
0		

Semester 2 (July) Entry

The below course progression is for mid-

year (July) commencement.			
Year 1 Se	emester 1 (July)		
BSB105	The Future Enterprise		
BSB108	Business Environment		
Unit from	Unit from other degree component		
Unit from	other degree component		
Year 1 Se	emester 2 (February)		
BSB106	Dynamic Markets		
AMB163	Introduction to Public Relations		
Unit from	other degree component		
Unit from	other degree component		
Year 2 Se	emester 1 (July)		
BSB107	Financial Performance and Responsibility		
AMB164	Media Relations and Publicity		
Unit from	other degree component		
Unit from	other degree component		
Year 2 Se	emester 2 (February)		
AMB299	Marketing Communication		
AMB201	Marketing and Audience Analytics		
Unit from	other degree component		
	other degree component		
Year 3 Se	emester 1 (July)		
	emester 1 (July) Business Citizenship		
BSB250			
BSB250 Select a l	Business Citizenship		
BSB250 Select a I Unit from	Business Citizenship Business Core Option Unit		
BSB250 Select a I Unit from Unit from	Business Citizenship Business Core Option Unit other degree component		
BSB250 Select a I Unit from Unit from Year 3 Se	Business Citizenship Business Core Option Unit other degree component other degree component		
BSB250 Select a I Unit from Unit from Year 3 Se	Business Citizenship Business Core Option Unit other degree component other degree component emester 2 (February)		
BSB250 Select a I Unit from Unit from Year 3 So AMB374 AMB373	Business Citizenship Business Core Option Unit other degree component other degree component emester 2 (February) Global Public Relations Cases Issues, Stakeholders and		
BSB250 Select a I Unit from Year 3 Se AMB374 AMB373 Unit from	Business Citizenship Business Core Option Unit other degree component other degree component emester 2 (February) Global Public Relations Cases Issues, Stakeholders and Reputation		
BSB250 Select a I Unit from Year 3 Se AMB374 AMB373 Unit from Unit from	Business Citizenship Business Core Option Unit other degree component other degree component emester 2 (February) Global Public Relations Cases Issues, Stakeholders and Reputation other degree component		
BSB250 Select a I Unit from Year 3 Se AMB374 AMB373 Unit from Unit from	Business Citizenship Business Core Option Unit other degree component other degree component emester 2 (February) Global Public Relations Cases Issues, Stakeholders and Reputation other degree component other degree component		
BSB250 Select a I Unit from Year 3 Se AMB374 AMB373 Unit from Unit from Year 4 Se	Business Citizenship Business Core Option Unit other degree component other degree component emester 2 (February) Global Public Relations Cases Issues, Stakeholders and Reputation other degree component other degree component emester 1 (July) Real World Ready - Business		
BSB250 Select a I Unit from Year 3 Sc AMB374 AMB373 Unit from Unit from Year 4 Sc BSB399 AMB375	Business Citizenship Business Core Option Unit other degree component other degree component emester 2 (February) Global Public Relations Cases Issues, Stakeholders and Reputation other degree component other degree component emester 1 (July) Real World Ready - Business Capstone Internal Communication and		
BSB250 Select a I Unit from Year 3 Se AMB374 AMB373 Unit from Unit from Year 4 Se BSB399 AMB375 Unit from	Business Citizenship Business Core Option Unit other degree component other degree component emester 2 (February) Global Public Relations Cases Issues, Stakeholders and Reputation other degree component other degree component emester 1 (July) Real World Ready - Business Capstone Internal Communication and Change		
BSB250 Select a I Unit from Year 3 Se AMB374 AMB373 Unit from Unit from Year 4 Se BSB399 AMB375 Unit from Unit from	Business Citizenship Business Core Option Unit other degree component other degree component emester 2 (February) Global Public Relations Cases Issues, Stakeholders and Reputation other degree component other degree component emester 1 (July) Real World Ready - Business Capstone Internal Communication and Change other degree component		
BSB250 Select a I Unit from Year 3 Se AMB374 AMB373 Unit from Unit from Year 4 Se BSB399 AMB375 Unit from Unit from Year 4 Se	Business Citizenship Business Core Option Unit other degree component other degree component emester 2 (February) Global Public Relations Cases Issues, Stakeholders and Reputation other degree component other degree component emester 1 (July) Real World Ready - Business Capstone Internal Communication and Change other degree component other degree component		
BSB250 Select a I Unit from Year 3 Se AMB374 AMB373 Unit from Unit from Year 4 Se AMB375 Unit from Unit from Unit from Year 4 Se AMB399	Business Citizenship Business Core Option Unit other degree component other degree component emester 2 (February) Global Public Relations Cases Issues, Stakeholders and Reputation other degree component other degree component emester 1 (July) Real World Ready - Business Capstone Internal Communication and Change other degree component other degree component other degree component other degree component		
BSB250 Select a I Unit from Year 3 Se AMB374 AMB373 Unit from Unit from Unit from Unit from Unit from Unit from Unit from Year 4 Se AMB399 Select a I	Business Citizenship Business Core Option Unit other degree component other degree component emester 2 (February) Global Public Relations Cases Issues, Stakeholders and Reputation other degree component other degree component emester 1 (July) Real World Ready - Business Capstone Internal Communication and Change other degree component other degree component other degree component other degree component other degree component		
BSB250 Select a I Unit from Year 3 Se AMB374 AMB373 Unit from Unit from Year 4 Se BSB399 AMB375 Unit from Unit from Year 4 Se AMB399 Select a I Unit from	Business Citizenship Business Core Option Unit other degree component other degree component emester 2 (February) Global Public Relations Cases Issues, Stakeholders and Reputation other degree component other degree component emester 1 (July) Real World Ready - Business Capstone Internal Communication and Change other degree component other degree component other degree component other degree component other degree component emester 2 (February) Capstone Experience Business Core Option Unit		

Semesters

- Semester 1 (February) commencements
- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1 • Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2

the university for the real world



•	Year	4,	Semester	1

- Year 4, Semester 2
- ٠ Semester 2 (July) commencements
- Year 1, Semester 2 Year 2, Semester 1 ٠ ٠
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2 Year 4, Semester 1 .
- Year 4, Semester 2
- Year 5, Semester 1 .

Code Title Semester 1 (February) commencements Year 1, Semester 1 Introduction to Computer IFB102 Systems IFB103 IT Systems Design Year 1, Semester 2 IFB104 Building IT Systems **IFB105** Database Management Year 2, Semester 1 IT Core Unit Option **IT Core Unit Option** Year 2, Semester 2 CAB201 Programming Principles Microprocessors and Digital CAB202 Systems Year 3, Semester 1 CAB203 Discrete Structures CAB302 Software Development Year 3, Semester 2 CAB303 Networks IFB295 IT Project Management Year 4, Semester 1 CAB301 Algorithms and Complexity **IFB398** Capstone Project (Phase 1) Year 4, Semester 2 IFB399 Capstone Project (Phase 2)

- Select one of: High Performance and CAB401 Parallel Computing CAB402 Programming Paradigms CAB403 Systems Programming CAB420 Machine Learning Semester 2 (July) commencements Year 1, Semester 2 Introduction to Computer IFB102 Systems IFB103 IT Systems Design Year 2, Semester 1 IFB104 Building IT Systems IFB105 Database Management Year 2, Semester 2 CAB201 Programming Principles **IT Core Unit Option**
- Year 3, Semester 1

CAB202	Microprocessors and Digital Systems	
CAB301	Algorithms and Complexity	
Year 3, S	emester 2	
CAB303	Networks	
IFB295	IT Project Management	
Year 4, S	emester 1	
CAB203	Discrete Structures	
CAB302	Software Development	
Year 4, S	emester 2	
IFB398	Capstone Project (Phase 1)	
Select Of	NE of:	
CAB401	High Performance and Parallel Computing	
CAB403	Systems Programming	
OR IT Core Unit Option		
Year 5, Semester 1		
IFB399	Capstone Project (Phase 2)	
Select ONE of:		
CAB402	Programming Paradigms	
CAB420	Machine Learning	
OR IT Core Unit Option		
(Select IT Core Unit Option here, if not selected previously.)		

Semesters <u>Semester 1 (February)</u>

- commencements Year 1, Semester 1 Year 1, Semester 2 Year 2, Semester 1 Year 2, Semester 2 Year 3, Semester 1 Year 3, Semester 2 Year 4, Semester 1 Year 4, Semester 2 Semester 2 (July) commencements Year 1, Semester 2 Year 2, Semester 1 . Year 2, Semester 2 Year 3, Semester 1 Year 3, Semester 2 Year 4, Semester 1 Year 4, Semester 2 . • Year 5, Semester 1 Code Title Semester 1 (February) commencements Year 1, Semester 1 Introduction to Computer IFB102 Systems IFB103 IT Systems Design Year 1, Semester 2
- IFB104 **Building IT Systems**
- IFB105 Database Management
- Year 2, Semester 1 **IT Core Unit Option**
- **IT Core Unit Option**
- Year 2, Semester 2
- Modelling Techniques for **IAB201**

	Information Systems
	Rapid Web Application
IAB207	Development
Year 3, S	Semester 1
IAB203	Business Process Modelling
IAB204	Business Requirements Analysis
Year 3, S	Semester 2
IAB305	Information Systems Lifecycle Management
IFB295	IT Project Management
Year 4, S	Semester 1
IFB398	Capstone Project (Phase 1)
Select or	ne of:
IAB206	Modern Data Management
IAB260	Social Technologies
IAB303	Data Analytics for Business Insight
IAB320	Business Process Improvement
IAB402	Information Systems Consulting
Year 4, S	Semester 2
IAB401	Enterprise Architecture
IFB399	Capstone Project (Phase 2)
Semeste	r 2 (July) commencements
Year 1, S	Semester 2
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 2, S	Semester 1
IFB104	Building IT Systems
IFB105	Database Management
Year 2, S	Semester 2
IAB201	Modelling Techniques for Information Systems
IT Core l	Jnit Option
Year 3, S	Semester 1
IAB204	Business Requirements Analysis
IAB207	Rapid Web Application Development
Year 3, S	Semester 2
IAB305	Information Systems Lifecycle Management
IT Core l	Jnit Option
Year 4, S	Semester 1
IAB203	Business Process Modelling
IFB295	IT Project Management
Year 4, S	Semester 2
IAB401	Enterprise Architecture
IFB398	Capstone Project (Phase 1)
11 2000	
	Semester 1
	Semester 1 Capstone Project (Phase 2)



IAB206	Modern Data Management
IAB260	Social Technologies
IAB303	Data Analytics for Business Insight
IAB320	Business Process Improvement
IAB402	Information Systems Consulting



Year	2022
QUT code	IX23
CRICOS	078352J
Duration (full-time)	4 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2022: CSP \$11,800 per year full-time (96 credit points)
International fee (indicative)	2022: \$34,000 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Year 12 early offer scheme

If you're a current Queensland Year 12 student, you may be eligible to receive an offer for this course on the last day of Queensland Year 12, before receiving your ATAR or selection rank.

Find out more about the QUT Year 12 Early Offer Scheme

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Assumed knowledge

 Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English

requirements

Students must meet the English proficiency requirements.

IELTS (International Testing System)	English Language
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Overview

Your business degree will give you a broad base of commercial knowledge as well as the opportunity to major in a specific business area. This understanding of business makes you more attractive to employers, even if you wish to work predominantly in a sciencebased career.

Aim

Through the combination of science and business, you will equip yourself for an exciting career at the cutting edge of scientific innovation within a range of public, private and non-profit industries.

Career outcomes

By combining your science studies with business you will develop the entrepreneurial skills necessary to sell your abilities to a range of employers. As well as the range of science-based careers available such as a scientific modeller, engineering software developer, scientific programmer, and computational scientist you could expect to gain employment as a consultant, marketer, or project manager within firms developing and taking scientific research to the marketplace.

Professional membership

Both degrees allow you to satisfy the requirements of membership of the relevant professional body for your chosen majors.

Non-standard attendance

Field work is a requirement of some areas of science.

Domestic Course structure

Students are required to complete 384 credit points comprised of 192 credit points from the Bachelor Science program and 192 credit points from the Bachelor of Business program.

Business component:

- eight Business School core units (96 credit points) *
- eight major core units (96 credit points)

*Accounting major students complete six business core units and 10 accounting major units to allow them to complete professional requirements.

International Course structure

Students are required to complete 384 credit points comprised of 192 credit points from the Bachelor Science program and 192 credit points from the Bachelor of Business program.

Business component:

- eight Business School Core units (96 credit points) *
- eight Major Core units (96 credit points)

*Accounting major students complete six business core units and 10 accounting major units to allow them to complete professional requirements.

Sample Structure Semesters

- <u>Semester 1 (February)</u>
- <u>commencements</u>
 <u>Year 1, Semester 1</u>



 Yea 	r 1, Semester 2 r 2, Semester 1 r 2, Semester 1 r 3, Semester 2 r 4, Semester 2 r 4, Semester 2 r 4, Semester 2 nester 2 (July) commencements r 1, Semester 2 r 2, Semester 1 r 2, Semester 1 r 3, Semester 1 r 3, Semester 2 r 4, Semester 1 r 4, Semester 1 r 4, Semester 2
Code	Title
	r 1 (February) commencements
	Semester 1
SEB104	
SEB113	Quantitative Methods in Science
Year 1. S	Semester 2
	Core Unit Option
	Major Unit Option
	Semester 1
SEB115	Experimental Science 1
SEB116	Experimental Science 2
	Semester 2
BVB101	
BVB102	Evolution
	Semester 1
BVB202	Experimental Design and Quantitative Methods
BVB301	Animal Biology
Year 3, S	Semester 2
BVB201	Biological Processes
BVB204	Ecology
	Semester 1
BVB203	Plant Biology
BVB305	Microbiology and the Environment
Year 4, S	Semester 2
BVB304	Integrative Biology
BVB313	Population Genetics and Molecular Ecology
Semeste	r 2 (July) commencements
Year 1, S	Semester 2
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Science	Core Unit Option
Science I	Major Unit Option
Year 2, S	Gemester 1
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, S	Semester 2
BVB101	Foundations of Biology

DVD102	Evolution
Year 3, S	emester 1
BVB202	Experimental Design and Quantitative Methods
BVB301	Animal Biology
Year 3, S	emester 2
BVB201	Biological Processes
BVB204	Ecology
Year 4, S	emester 1
BVB203	Plant Biology
BVB305	Microbiology and the Environment
Year 4, S	emester 2
BVB304	Integrative Biology
D)/D040	Population Genetics and
BVB313	Molecular Ecology
 Yea 	r 1, Semester 1 r 1, Semester 2 r 2, Semester 1 r 2, Semester 2 r 3, Semester 1 r 3, Semester 2 r 4, Semester 1 r 4, Semester 2 mester 2 (July) commencements r 1, Semester 2
• <u>Yea</u> • <u>Yea</u> • <u>Yea</u> • <u>Yea</u>	<u>r 2, Semester 1</u> <u>r 2, Semester 2</u> <u>r 3, Semester 1</u> <u>r 3, Semester 2</u> <u>r 4, Semester 1</u>
• <u>Yea</u> • <u>Yea</u> • <u>Yea</u> • <u>Yea</u>	<u>r 2, Semester 1</u> <u>r 2, Semester 2</u> <u>r 3, Semester 1</u> <u>r 3, Semester 2</u>
• <u>Yea</u> • <u>Yea</u> • <u>Yea</u> • <u>Yea</u>	<u>r 2, Semester 1</u> <u>r 2, Semester 2</u> <u>r 3, Semester 1</u> <u>r 3, Semester 2</u> <u>r 4, Semester 1</u>
• Yea • Yea • Yea • Yea • Yea	r 2, Semester 1 r 2, Semester 2 r 3, Semester 1 r 3, Semester 2 r 4, Semester 1 r 4, Semester 2
• Yea • Yea • Yea • Yea • Yea Code Semeste	r 2, Semester 1 r 2, Semester 2 r 3, Semester 1 r 3, Semester 2 r 4, Semester 1 r 4, Semester 2 Title r 1 (February) commencements
• Yea • Yea • Yea • Yea • Yea • Yea • Yea • Year 1, S	r 2, Semester 1 r 2, Semester 2 r 3, Semester 1 r 3, Semester 2 r 4, Semester 1 r 4, Semester 2 Title r 1 (February) commencements emester 1
• Yea • Yea • Yea • Yea • Yea Code Semeste	r 2, Semester 1 r 2, Semester 2 r 3, Semester 1 r 3, Semester 2 r 4, Semester 1 r 4, Semester 2 Title r 1 (February) commencements emester 1 Grand Challenges in Science Quantitative Methods in
• <u>Yea</u> • <u>Yea</u> • <u>Yea</u> • <u>Yea</u> • <u>Yea</u> Code Semester Year 1, S SEB104 SEB113	r 2, Semester 1 r 2, Semester 2 r 3, Semester 2 r 4, Semester 2 r 4, Semester 1 r 4, Semester 2 Title r 1 (February) commencements emester 1 Grand Challenges in Science Quantitative Methods in Science
• <u>Yea</u> • <u>Yea</u> • <u>Yea</u> • <u>Yea</u> • <u>Yea</u> • <u>Year</u> • <u>Year</u> • <u>Year</u> • <u>Year</u> • <u>Year</u> • <u>Year</u> • <u>Year</u> • <u>Year</u> • <u>Year</u>	r 2, Semester 1 r 2, Semester 2 r 3, Semester 2 r 4, Semester 2 r 4, Semester 2 r 4, Semester 1 r 4, Semester 2 Title r 1 (February) commencements emester 1 Grand Challenges in Science Quantitative Methods in Science emester 2
• <u>Yea</u> • <u>Yea</u> • <u>Yea</u> • <u>Yea</u> • <u>Yea</u> Code Semester Year 1, S SEB104 SEB113	r 2, Semester 1 r 2, Semester 2 r 3, Semester 2 r 4, Semester 2 r 4, Semester 1 r 4, Semester 2 Title r 1 (February) commencements emester 1 Grand Challenges in Science Quantitative Methods in Science
• Yea • Yea	r 2, Semester 1 r 2, Semester 2 r 3, Semester 2 r 4, Semester 2 r 4, Semester 1 r 4, Semester 2 Title r 1 (February) commencements emester 1 Grand Challenges in Science Quantitative Methods in Science emester 2 Introductory Calculus and
• Yea • Yea	r 2, Semester 1 r 2, Semester 2 r 3, Semester 1 r 3, Semester 1 r 4, Semester 2 r 4, Semester 1 r 4, Semester 2 Title r 1 (February) commencements emester 1 Grand Challenges in Science Quantitative Methods in Science emester 2 Introductory Calculus and Algebra
• Yea • Yea	r 2, Semester 1 r 2, Semester 2 r 3, Semester 1 r 3, Semester 1 r 4, Semester 2 r 4, Semester 2 Title r 1 (February) commencements emester 1 Grand Challenges in Science Quantitative Methods in Science emester 2 Introductory Calculus and Algebra Core Unit Option
• Yea • Yea	r 2, Semester 1 r 2, Semester 2 r 3, Semester 2 r 4, Semester 2 r 4, Semester 1 r 4, Semester 2 Title r 1 (February) commencements emester 1 Grand Challenges in Science Quantitative Methods in Science emester 2 Introductory Calculus and Algebra Core Unit Option emester 1
• Yea • SEB104 • SEB113 • Yea • Science • O • Science • O • Science • Science	r 2, Semester 1 r 2, Semester 2 r 3, Semester 2 r 3, Semester 1 r 3, Semester 2 r 4, Semester 2 Title r 1 (February) commencements emester 1 Grand Challenges in Science Quantitative Methods in Science emester 2 Introductory Calculus and Algebra Core Unit Option emester 1 Experimental Science 1
• Yea • SEB104 • SEB113 • Yea • Science • O • Science • O • Science • Science	r 2, Semester 1 r 2, Semester 2 r 3, Semester 1 r 3, Semester 1 r 4, Semester 2 r 4, Semester 2 Title r 1 (February) commencements emester 1 Grand Challenges in Science Quantitative Methods in Science emester 2 Introductory Calculus and Algebra Core Unit Option emester 1 Experimental Science 1 Experimental Science 2
• Yea • Yea	r 2, Semester 1 r 2, Semester 2 r 3, Semester 2 r 4, Semester 2 r 4, Semester 1 r 4, Semester 2 Title r 1 (February) commencements emester 1 Grand Challenges in Science Quantitative Methods in Science emester 2 Introductory Calculus and Algebra Core Unit Option emester 1 Experimental Science 1 Experimental Science 2 emester 2
 Yea Yea Yea Yea Yea Year 1, S SEB104 SEB113 Year 1, S MXB100 Science 0 Year 2, S SEB115 SEB116 Year 2, S CVB101 CVB102 	r 2, Semester 1 r 2, Semester 2 r 3, Semester 2 r 4, Semester 2 r 4, Semester 1 r 4, Semester 2 Title r 1 (February) commencements emester 1 Grand Challenges in Science Quantitative Methods in Science emester 2 Introductory Calculus and Algebra Core Unit Option emester 1 Experimental Science 1 Experimental Science 2 emester 2 General Chemistry Chemical Structure and
 Yea Yea Yea Yea Yea Year 1, S SEB104 SEB113 Year 1, S MXB100 Science 0 Year 2, S SEB115 SEB116 Year 2, S CVB101 CVB102 	r 2, Semester 1 r 2, Semester 2 r 3, Semester 2 r 4, Semester 2 r 4, Semester 2 r 4, Semester 2 r 4, Semester 2 Title r 1 (February) commencements emester 1 Grand Challenges in Science Quantitative Methods in Science emester 2 Introductory Calculus and Algebra Core Unit Option emester 1 Experimental Science 1 Experimental Science 2 emester 2 General Chemistry Chemical Structure and Reactivity
 Yea Yea Yea Yea Yea Yea Yea Year 1, S SEB104 SEB113 Year 1, S SEB104 SEB113 Year 2, S SEB116 Year 2, S CVB101 CVB102 Year 3, S 	r 2, Semester 1 r 2, Semester 2 r 3, Semester 2 r 4, Semester 2 r 4, Semester 1 r 4, Semester 2 Title r 1 (February) commencements emester 1 Grand Challenges in Science Quantitative Methods in Science emester 2 Introductory Calculus and Algebra Core Unit Option emester 1 Experimental Science 1 Experimental Science 2 emester 2 General Chemistry Chemical Structure and Reactivity emester 1 Inorganic Chemistry
 Yea Yea Yea Yea Yea Yea Year 1, S SEB104 SEB104 SEB113 Year 1, S MXB100 Science 0 Year 2, S SEB115 SEB116 Year 2, S CVB101 CVB102 Year 3, S CVB201 CVB202 	r 2, Semester 1 r 2, Semester 2 r 3, Semester 1 r 3, Semester 1 r 4, Semester 2 r 4, Semester 2 Grand Challenges in Science Quantitative Methods in Science emester 2 Introductory Calculus and Algebra Core Unit Option emester 1 Experimental Science 1 Experimental Science 2 emester 2 General Chemistry Chemical Structure and Reactivity emester 1 Inorganic Chemistry Analytical Chemistry
 Yea Yea Yea Yea Yea Yea Year 1, S SEB104 SEB104 SEB113 Year 1, S MXB100 Science 0 Year 2, S SEB115 SEB116 Year 2, S CVB101 CVB102 Year 3, S CVB201 CVB202 	r 2, Semester 1 r 2, Semester 2 r 3, Semester 1 r 3, Semester 1 r 4, Semester 2 r 4, Semester 2 Grand Challenges in Science Quantitative Methods in Science emester 2 Introductory Calculus and Algebra Core Unit Option emester 1 Experimental Science 1 Experimental Science 2 emester 2 General Chemistry Chemical Structure and Reactivity emester 1 Inorganic Chemistry Analytical Chemistry emester 2
 Yea Yea Yea Yea Yea Yea Year 1, S SEB104 SEB104 SEB113 Year 1, S MXB100 Science 0 Year 2, S SEB115 SEB116 Year 2, S CVB101 CVB102 Year 3, S CVB201 CVB203 	r 2, Semester 1 r 2, Semester 2 r 3, Semester 1 r 3, Semester 2 r 4, Semester 2 r 4, Semester 1 r 4, Semester 2 Title r 1 (February) commencements emester 1 Grand Challenges in Science Quantitative Methods in Science emester 2 Introductory Calculus and Algebra Core Unit Option emester 1 Experimental Science 1 Experimental Science 2 emester 2 General Chemistry Chemical Structure and Reactivity emester 1 Inorganic Chemistry Analytical Chemistry emester 2 Physical Chemistry
 Yea Yea Yea Yea Yea Year 1, S SEB104 SEB113 Year 1, S SEB116 Year 2, S SEB116 Year 2, S SEB116 Year 3, S CVB201 CVB202 Year 3, S 	r 2, Semester 1 r 2, Semester 2 r 3, Semester 1 r 3, Semester 1 r 4, Semester 2 r 4, Semester 2 Grand Challenges in Science Quantitative Methods in Science emester 2 Introductory Calculus and Algebra Core Unit Option emester 1 Experimental Science 1 Experimental Science 2 emester 2 General Chemistry Chemical Structure and Reactivity emester 1 Inorganic Chemistry Analytical Chemistry emester 2

BVB102 Evolution

1 Foundations of Biology	010200	r nysical chemistry
Toundations of blology	CVB204	Organic Structure and
on is correct as at 04/10/2022. For the most up-to-date co ual4.out.edu.au/group/student/enrolment/courses/course?		

	Mechanisms
Year 4, S	emester 1
CVB301	Organic Chemistry: Strategies for Synthesis
CVB302	Applied Physical Chemistry
Year 4, S	emester 2
CVB303	Coordination Chemistry
CVB304	Chemistry Research Project
Semester	2 (July) commencements
Year 1, S	emester 2
MXB100	Introductory Calculus and Algebra
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Science (Core Unit Option
Year 2, S	emester 1
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, S	emester 2
CVB101	General Chemistry
CVB102	Chemical Structure and Reactivity
Year 3, S	emester 1
CVB201	Inorganic Chemistry
CVB202	Analytical Chemistry
Year 3, S	emester 2
CVB203	Physical Chemistry
CVB204	Organic Structure and Mechanisms
Year 4, S	emester 1
CVB301	Organic Chemistry: Strategies for Synthesis
CVB302	Applied Physical Chemistry
Year 4, S	emester 2
CVB303	Coordination Chemistry
CVB304	Chemistry Research Project

Semesters

- Semester 1 (February) commencements
- Year 1, Semester 1
- Year 1, Semester 2

- Year 2, Semester 1
 Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
 Year 4, Semester 2
- Semester 2 (July) commencements
- Year 1, Semester 2
- Year 2, Semester 1 Year 2, Semester 2 •
- ٠
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
 Year 4, Semester 2

Title Code

Semester 1 (February) commencements

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This information https://gutvirtual4.gut.edu.au

Year 4, Semester 1 ERB301 Chemical Earth ERB302 Applied Geophysics

Year 1, S	emester 1
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in
	Science
	emester 2
	Core Unit Option
	Aajor Unit Option
Year 2, S	emester 1
SEB115	Experimental Science 1
SEB116	Experimental Science 2
	emester 2
ERB101	,
ERB102	Evolving Earth
Year 3, S	emester 1
ERB201	Destructive Earth: Natural Hazards
ERB202	Marine and Atmospheric Systems
Year 3, S	emester 2
	Sedimentary Geology and
ERB203	Stratigraphy
ERB204	Deforming Earth: Fundamentals of Structural Geology
Year 4, S	÷.
ERB301	Chemical Earth
ERB302	Applied Geophysics
Year 4, S	emester 2
ERB303	Energy Resources and Basin Analysis
ERB304	Dynamic Earth: Plate Tectonics
Semester	2 (July) commencements
	emester 2
	Grand Challenges in Science
SEB113	Quantitative Methods in
0.	Science
	Core Unit Option
	Major Unit Option
Year 2, S	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
	emester 2
ERB101	Earth Systems
ERB102	Evolving Earth
Year 3, S	emester 1
ERB201	Destructive Earth: Natural Hazards
ERB202	Marine and Atmospheric Systems
Year 3, S	emester 2
ERB203	Sedimentary Geology and
	Stratigraphy
ERB204	Deforming Earth: Fundamentals of Structural Geology

Year 4, S	emester 2
ERB303	Energy Resources and Basin Analysis
ERB304	Dynamic Earth: Plate Tectonics
Semeste	ers
• <u>Ser</u>	<u>nester 1 (February)</u>
	mencements
	<u>r 1, Semester 1</u> r 1, Semester 2
• Yea	<u>r 1, Semester 2</u> r 2, Semester 1
 Yea 	r 2, Semester 2
• <u>Yea</u>	r 3, Semester 1
• <u>Yea</u> • Yea	<u>r 3, Semester 2</u> r 4, Semester 1
 Yea 	r 4, Semester 2
• <u>Ser</u>	nester 2 (July) commencements
	<u>r 1, Semester 2</u> r 2, Semester 1
• Yea	r 2, Semester 2
 Yea 	r 3, Semester 1
• <u>Yea</u>	r 3, Semester 2
	r 4, Semester 1 r 4, Semester 2
Code	Title
	r 1 (February) commencements
Year 1, S	emester 1
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1, S	emester 2
Science (Core Unit Option
Science I	Major Unit Option
Year 2, S	emester 1
· • • • -, •	
	Experimental Science 1
SEB115	Experimental Science 1
SEB115 SEB116	Experimental Science 1 Experimental Science 2
SEB115 SEB116 Year 2, S	Experimental Science 1 Experimental Science 2 emester 2
SEB115 SEB116 Year 2, S ERB101	Experimental Science 1 Experimental Science 2 emester 2 Earth Systems
SEB115 SEB116 Year 2, S ERB101	Experimental Science 1 Experimental Science 2 emester 2
SEB115 SEB116 Year 2, S ERB101 EVB102	Experimental Science 1 Experimental Science 2 emester 2 Earth Systems Ecosystems and the
SEB115 SEB116 Year 2, S ERB101 EVB102 Year 3, S	Experimental Science 1 Experimental Science 2 emester 2 Earth Systems Ecosystems and the Environment
SEB115 SEB116 Year 2, S ERB101 EVB102 Year 3, S	Experimental Science 1 Experimental Science 2 emester 2 Earth Systems Ecosystems and the Environment emester 1
SEB115 SEB116 Year 2, S ERB101 EVB102 Year 3, S BVB202	Experimental Science 1 Experimental Science 2 emester 2 Earth Systems Ecosystems and the Environment emester 1 Experimental Design and
SEB115 SEB116 Year 2, S ERB101 EVB102 Year 3, S BVB202	Experimental Science 1 Experimental Science 2 emester 2 Earth Systems Ecosystems and the Environment emester 1 Experimental Design and Quantitative Methods
SEB115 SEB116 Year 2, S ERB101 EVB102 Year 3, S BVB202 EVB203	Experimental Science 1 Experimental Science 2 emester 2 Earth Systems Ecosystems and the Environment emester 1 Experimental Design and Quantitative Methods Geospatial Information
SEB115 SEB116 Year 2, S ERB101 EVB102 Year 3, S EVB202 EVB203 Year 3, S	Experimental Science 1 Experimental Science 2 emester 2 Earth Systems Ecosystems and the Environment emester 1 Experimental Design and Quantitative Methods Geospatial Information Science
SEB115 SEB116 Year 2, S ERB101 EVB102 Year 3, S BVB202 EVB203 Year 3, S BVB204	Experimental Science 1 Experimental Science 2 emester 2 Earth Systems Ecosystems and the Environment emester 1 Experimental Design and Quantitative Methods Geospatial Information Science emester 2
SEB115 SEB116 Year 2, S ERB101 EVB102 Year 3, S BVB202 EVB203 Year 3, S BVB204 EVB302	Experimental Science 1 Experimental Science 2 emester 2 Earth Systems Ecosystems and the Environment emester 1 Experimental Design and Quantitative Methods Geospatial Information Science emester 2 Ecology Environmental Pollution
SEB115 SEB116 Year 2, S ERB101 EVB102 Year 3, S BVB202 EVB203 Year 3, S BVB204 EVB302 Year 4, S	Experimental Science 1 Experimental Science 2 emester 2 Earth Systems Ecosystems and the Environment emester 1 Experimental Design and Quantitative Methods Geospatial Information Science emester 2 Ecology
SEB115 SEB116 Year 2, S ERB101 EVB102 Year 3, S BVB202 EVB203 Year 3, S BVB204 EVB302 Year 4, S BVB311	Experimental Science 1 Experimental Science 2 emester 2 Earth Systems Ecosystems and the Environment emester 1 Experimental Design and Quantitative Methods Geospatial Information Science emester 2 Ecology Environmental Pollution emester 1
SEB115 SEB116 Year 2, S ERB101 EVB102 Year 3, S BVB202 EVB203 Year 3, S BVB204 EVB302 Year 4, S BVB311 EVB312	Experimental Science 1 Experimental Science 2 emester 2 Earth Systems Ecosystems and the Environment emester 1 Experimental Design and Quantitative Methods Geospatial Information Science emester 2 Ecology Environmental Pollution emester 1 Conservation Biology Soils and the Environment
SEB115 SEB116 Year 2, S ERB101 EVB102 Year 3, S BVB202 EVB203 Year 3, S BVB204 EVB302 Year 4, S BVB311 EVB312 Year 4, S	Experimental Science 1 Experimental Science 2 emester 2 Earth Systems Ecosystems and the Environment emester 1 Experimental Design and Quantitative Methods Geospatial Information Science emester 2 Ecology Environmental Pollution emester 1 Conservation Biology Soils and the Environment emester 2
SEB115 SEB116 Year 2, S ERB101 EVB102 Year 3, S BVB202 EVB203 Year 3, S BVB204 EVB302 Year 4, S BVB311 EVB312	Experimental Science 1 Experimental Science 2 Earth Systems Ecosystems and the Environment Emester 1 Experimental Design and Quantitative Methods Geospatial Information Science Emester 2 Ecology Environmental Pollution Emester 1 Conservation Biology Soils and the Environment Emester 2 Groundwater Systems
SEB115 SEB116 Year 2, S ERB101 EVB102 Year 3, S BVB202 EVB203 Year 3, S BVB204 EVB302 Year 4, S BVB311 EVB312 Year 4, S	Experimental Science 1 Experimental Science 2 emester 2 Earth Systems Ecosystems and the Environment emester 1 Experimental Design and Quantitative Methods Geospatial Information Science emester 2 Ecology Environmental Pollution emester 1 Conservation Biology Soils and the Environment emester 2

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Semester	2 (July) commencements
Year 1, S	emester 2
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Science (Core Unit Option
Science N	Major Unit Option
Year 2, S	emester 1
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, S	emester 2
ERB101	Earth Systems
EVB102	Ecosystems and the Environment
Year 3, S	emester 1
BVB202	Experimental Design and Quantitative Methods
EVB203	Geospatial Information Science
Year 3, S	emester 2
BVB204	Ecology
EVB302	Environmental Pollution
Year 4, S	emester 1
BVB311	Conservation Biology
EVB312	Soils and the Environment
Year 4, S	emester 2
ERB310	Groundwater Systems
EVB304	Case Studies in Environmental Science

Semesters

٠	Semester 1	(February)
	commencem	ients

- Year 1, Semester 1

- Year 1, Semester 2
 Year 2, Semester 1
 Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Semester 2 (July) commencements
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
 Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2

Code	I ITIE
Semester	1 (February) commencements
Year 1, S	emester 1
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1, S	emester 2
MXB100	Introductory Calculus and Algebra
Science C	Core Unit Option



1 Eai 2. 3	omostor 1
	emester 1
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, S	emester 2
PVB101	Physics of the Very Large
PVB102	Physics of the Very Small
Year 3, S	
rouro, o	Computational and
PVB200	Mathematical Physics
PVB203	Experimental Physics
	emester 2
rears, s	
PVB202	Mathematical Methods in Physics
PVB204	Electromagnetism
Year 4, S	emester 1
	Materials and Thermal
PVB301	Physics
PVB302	Classical and Quantum
	Physics
	emester 2
PVB303	Nuclear and Particle Physics
PVB304	Physics Research
Semester	2 (July) commencements
Year 1, S	emester 2
MXB100	Introductory Calculus and Algebra
SEB104	Grand Challenges in Science
	Quantitative Methods in
SEB113	Science
Science (Core Unit Option
Year 2, S	emester 1
SEB115	Experimental Science 1
SEB116	Experimental Science 2
	emester 2
D\/D101	
PVB101	Physics of the Very Large
PVB102	Physics of the Very Large Physics of the Very Small
	Physics of the Very Large Physics of the Very Small emester 1
PVB102	Physics of the Very Large Physics of the Very Small
PVB102 Year 3, S	Physics of the Very Large Physics of the Very Small emester 1 Computational and
PVB102 Year 3, S PVB200 PVB203	Physics of the Very Large Physics of the Very Small emester 1 Computational and Mathematical Physics Experimental Physics
PVB102 Year 3, S PVB200 PVB203 Year 3, S	Physics of the Very Large Physics of the Very Small emester 1 Computational and Mathematical Physics Experimental Physics emester 2
PVB102 Year 3, S PVB200 PVB203 Year 3, S PVB202	Physics of the Very Large Physics of the Very Small emester 1 Computational and Mathematical Physics Experimental Physics emester 2 Mathematical Methods in Physics
PVB102 Year 3, S PVB200 PVB203 Year 3, S	Physics of the Very Large Physics of the Very Small emester 1 Computational and Mathematical Physics Experimental Physics emester 2 Mathematical Methods in
PVB102 Year 3, S PVB200 PVB203 Year 3, S PVB202	Physics of the Very Large Physics of the Very Small emester 1 Computational and Mathematical Physics Experimental Physics emester 2 Mathematical Methods in Physics Electromagnetism
PVB102 Year 3, S PVB200 PVB203 Year 3, S PVB202 PVB204	Physics of the Very Large Physics of the Very Small emester 1 Computational and Mathematical Physics Experimental Physics emester 2 Mathematical Methods in Physics Electromagnetism
PVB102 Year 3, S PVB200 PVB203 Year 3, S PVB202 PVB204 Year 4, S	Physics of the Very Large Physics of the Very Small emester 1 Computational and Mathematical Physics Experimental Physics emester 2 Mathematical Methods in Physics Electromagnetism emester 1 Materials and Thermal Physics Classical and Quantum
PVB102 Year 3, S PVB200 YVB203 Year 3, S PVB202 PVB204 Year 4, S PVB301 PVB302	Physics of the Very Large Physics of the Very Small emester 1 Computational and Mathematical Physics Experimental Physics emester 2 Mathematical Methods in Physics Electromagnetism emester 1 Materials and Thermal Physics Classical and Quantum Physics
PVB102 Year 3, S PVB200 Year 3, S PVB202 PVB204 Year 4, S PVB301 PVB302 Year 4, S	Physics of the Very Large Physics of the Very Small emester 1 Computational and Mathematical Physics Experimental Physics emester 2 Mathematical Methods in Physics Electromagnetism emester 1 Materials and Thermal Physics Classical and Quantum Physics emester 2
PVB102 Year 3, S PVB200 YVB203 Year 3, S PVB202 PVB204 Year 4, S PVB301 PVB302	Physics of the Very Large Physics of the Very Small emester 1 Computational and Mathematical Physics Experimental Physics emester 2 Mathematical Methods in Physics Electromagnetism emester 1 Materials and Thermal Physics Classical and Quantum Physics

Semesters

- Year 1 Semester 1
 Year 1 Semester 2

 Year 2 Semester 1 Year 2 Semester 2 Year 3 Semester 1 Year 3 Semester 2 		
Year 4 Semester 1 Year 4 Semester 2		
• <u>Bus</u>	iness Core Option Units	
Code	Title	
Year 1 Se	emester 1	
BSB107	Financial Performance and Responsibility	
BSB108	Business Environment	
Unit from	the other degree component	
Unit from	the other degree component	
Year 1 Se	emester 2	
BSB106	Dynamic Markets	
Select a	Business Core Option Unit	
Unit from	the other degree component	
	the other degree component	
two Busir	Unit BSB151 is undertaken as one of the two Business Core Option Units if seeking professional recognition upon graduation	
Year 2 Se	emester 1	
AYB106	Accounting Processes and Systems	
BSB105	The Future Enterprise	
Unit from	the other degree component	
	Unit from the other degree component	
	the other degree component	
	emester 2	
Year 2 S	emester 2 Financial Accounting and	
Year 2 So AYB201 AYB202	emester 2 Financial Accounting and Reporting	
Year 2 So AYB201 AYB202 Unit from	Financial Accounting and Reporting Management Accounting	
Year 2 So AYB201 AYB202 Unit from Unit from	Financial Accounting and Reporting Management Accounting the other degree component	
Year 2 So AYB201 AYB202 Unit from Unit from	Financial Accounting and Reporting Management Accounting the other degree component the other degree component emester 1 Taxation	
Year 2 So AYB201 AYB202 Unit from Unit from Year 3 So AYB203 BSB152	Financial Accounting and Reporting Management Accounting the other degree component the other degree component emester 1 Taxation Financial Management	
Year 2 So AYB201 AYB202 Unit from Unit from Year 3 So AYB203 BSB152 Unit from	Financial Accounting and Reporting Management Accounting the other degree component the other degree component emester 1 Taxation Financial Management the other degree component	
Year 2 So AYB201 AYB202 Unit from Unit from Year 3 So AYB203 BSB152 Unit from Unit from	Financial Accounting and Reporting Management Accounting the other degree component the other degree component emester 1 Taxation Financial Management the other degree component the other degree component	
Year 2 So AYB201 AYB202 Unit from Unit from Year 3 So AYB203 BSB152 Unit from Unit from Unit BSB	Financial Accounting and Reporting Management Accounting the other degree component the other degree component emester 1 Taxation Financial Management the other degree component the other degree component the other degree component the other degree component	
Year 2 So AYB201 AYB202 Unit from Unit from Year 3 So AYB203 BSB152 Unit from Unit from Unit BSB two Busir	Financial Accounting and Reporting Management Accounting the other degree component the other degree component emester 1 Taxation Financial Management the other degree component the other degree component the other degree component 152 is undertaken as one of the pess Core Option Units if professional recognition upon	
Year 2 Se AYB201 AYB202 Unit from Unit from Year 3 Se AYB203 BSB152 Unit from Unit from Unit from Unit BSB two Busin seeking p graduatio	Financial Accounting and Reporting Management Accounting the other degree component the other degree component emester 1 Taxation Financial Management the other degree component the other degree component the other degree component 152 is undertaken as one of the pess Core Option Units if professional recognition upon	
Year 2 So AYB201 AYB202 Unit from Unit from Year 3 So AYB203 BSB152 Unit from Unit from Unit from Unit BSB two Busin seeking p graduatic Year 3 So	Financial Accounting and Reporting Management Accounting the other degree component the other degree component emester 1 Taxation Financial Management the other degree component the other degree component the other degree component 152 is undertaken as one of the pess Core Option Units if professional recognition upon m.	
Year 2 So AYB201 AYB202 Unit from Unit from Year 3 So AYB203 BSB152 Unit from Unit from Unit from Unit BSB two Busin seeking p graduatic Year 3 So	Financial Accounting and Reporting Management Accounting the other degree component the other degree component emester 1 Taxation Financial Management the other degree component the other degree component 152 is undertaken as one of the ness Core Option Units if professional recognition upon in.	
Year 2 Se AYB201 AYB202 Unit from Year 3 Se AYB203 BSB152 Unit from Unit from Unit from Unit BSB two Busig seeking p graduation Year 3 Se AYB230 BSB250	Financial Accounting and Reporting Management Accounting the other degree component the other degree component emester 1 Taxation Financial Management the other degree component the other degree component the other degree component 152 is undertaken as one of the bess Core Option Units if professional recognition upon in.	
Year 2 Se AYB201 AYB202 Unit from Year 3 Se AYB203 BSB152 Unit from Unit BSB two Busir seeking p graduation Year 3 Se AYB230 BSB250 Unit from	Financial Accounting and Reporting Management Accounting the other degree component the other degree component emester 1 Taxation Financial Management the other degree component the other degree component the other degree component 152 is undertaken as one of the pess Core Option Units if professional recognition upon in. emester 2 Corporations Law Business Citizenship	
Year 2 Se AYB201 AYB202 Unit from Unit from Year 3 Se AYB203 BSB152 Unit from Unit from Unit BSB two Busir seeking p graduation Year 3 Se AYB230 BSB250 Unit from Unit from	Financial Accounting and Reporting Management Accounting the other degree component the other degree component emester 1 Taxation Financial Management the other degree component the other degree component the other degree component 152 is undertaken as one of the bess Core Option Units if professional recognition upon in. emester 2 Corporations Law Business Citizenship the other degree component	
Year 2 Se AYB201 AYB202 Unit from Unit from Year 3 Se AYB203 BSB152 Unit from Unit from Unit BSB two Busir seeking p graduation Year 3 Se AYB230 BSB250 Unit from Unit from	Financial Accounting and Reporting Management Accounting the other degree component the other degree component emester 1 Taxation Financial Management the other degree component the other degree component 152 is undertaken as one of the bess Core Option Units if professional recognition upon in. Emester 2 Corporations Law Business Citizenship the other degree component the other degree component the other degree component	
Year 2 Se AYB201 AYB202 Unit from Unit from Year 3 Se AYB203 BSB152 Unit from Unit from Unit BSB two Busin seeking p graduatic Year 3 Se AYB230 BSB250 Unit from Unit from Unit from Year 4 Se	Financial Accounting and Reporting Management Accounting the other degree component the other degree component emester 1 Taxation Financial Management the other degree component the other degree component 152 is undertaken as one of the pess Core Option Units if professional recognition upon in. emester 2 Corporations Law Business Citizenship the other degree component the other degree component	
Year 2 Se AYB201 AYB202 Unit from Year 3 Se AYB203 BSB152 Unit from Unit from Unit from Unit BSB two Busir seeking p graduatic Year 3 Se AYB230 BSB250 Unit from Unit from Year 4 Se BSB399 AYB340	Financial Accounting and Reporting Management Accounting the other degree component the other degree component emester 1 Taxation Financial Management the other degree component the other degree component 152 is undertaken as one of the bess Core Option Units if professional recognition upon in. Emester 2 Corporations Law Business Citizenship the other degree component the other degree component	

AYB301	Audit and Assurance
AYB339	Accountancy Capstone
Unit from the other degree component	
Unit from	the other degree component
Business Core Option Units	
Select one Business Core Option Unit:	
BSB305	Undergraduate Business Internship
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills
BSB130	Social Enterprises
BSB131	Applied Business Analytics

Semesters

Semesters			
Year 1 Semester 1			
Year 1 Semester 2			
Year 2 Semester 1			
	 Year 2 Semester 2 Year 3 Semester 1 		
	3 Semester 2		
	4 Semester 1		
	<u>4 Semester 2</u>		
• <u>Busi</u>	ness Core Option Units		
Code	Title		
Year 1 Se			
	The Future Enterprise		
BSB106	Dynamic Markets		
	the other course component		
	•		
	the other course component		
Year 1 Se			
BSB107	Financial Performance and Responsibility		
AMB111	Advertising Works		
Unit from	the other course component		
Unit from	the other course component		
Year 2 Se	emester 1		
BSB108	Business Environment		
	Understanding how		
AMB200	Consumers Think, Feel, and		
	(Mis)Behave		
Unit from	the other course component		
Unit from	the other course component		
Year 2 Se	emester 2		
	Marketing and Audience		
AMB201	Analytics		
AMB223	Create Advertising		
	the other course component		
Unit from	the other course component		
Year 3 Se	emester 1		
AMB224	Consumers and Media Channels		
Select a E	Business Core Option Unit		
Unit from	the other course component		
Unit from	the other course component		
Year 3 Semester 2			
BSB250	Business Citizenship		
	•		



Year 4 Semester 2

Semesters

- <u>Semester 1 (Feburary) Entry</u>
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1 Year 2 Semester 2 ٠
- ٠ ٠
- Year 3 Semester 1
- Year 3 Semester 2 • Year 4 Semester 1
- Year 4 Semester 2 ٠
- ٠ **Economics Option Units**
- Business Core Option Units
- ٠ Semester 2 (July) Entry
- ٠ Year 1 Semester 1 (July)
- Year 1 Semester 2 (February) •
- ٠ Year 2 Semester 1 (July)
- Year 2 Semester 2 (February) ٠
- . Year 3 Semester 1 (July)
- Year 3 Semester 2 (February) •
- Year 4 Semester 1 (July)
- Year 4 Semester 2 (February
- **Economics Option Units**
- **Business Core Option Units** ٠

Code Title Semester 1 (Feburary) Entry

This course progression relates to February entry. The course progressoin for July entry is underneath.

-	-
Year 1 Semester 1	
BSB106	Dynamic Markets
BSB107	Financial Performance and Responsibility
Two units from other degree component	

	from other degree component
Year 1 Se	emester 2
BSB108	Business Environment
EFB228	Microeconomics
Two units	from other degree component
Two units	from other degree component
Year 2 Se	emester 1
BSB105	The Future Enterprise
EFB229	Macroeconomics
Two units	from other degree component
Two units	from other degree component
Year 2 Se	emester 2
EFB222	Introduction to Applied Econometrics
	Business Core Option or
	es Option Unit
Two units	from other degree component
	from other degree component
Year 3 Se	emester 1
BSB250	Business Citizenship
	Business Core Option or as Option Unit
Two units	from other degree component
Two units	from other degree component
Year 3 Se	emester 2
	Business Core Option or as Option Unit
	Business Core Option or cs Option Unit
Two units	from other degree component
Two units	from other degree component
Year 4 Se	emester 1
BSB399	Real World Ready - Business Capstone
	Business Core Option or cs Option Unit
Two units	from other degree component
Two units	from other degree component
Year 4 Se	emester 2
EFB338	Contemporary Application of Economic Theory
Select a Business Core Option or Economics Option Unit	
Two units from other degree component	
	from other degree component
	s Option Units
Select 4 (48cp) from the Economics Unit sted below:
EFB210	Fundamentals of Finance
EFB225	Economics for the Real World
EFB226	Environmental Economics and Policy
EFB332	Applied Behavioural Economics
EFB333	Applied Econometrics

EFB336	International Economics
EFB337	Game Theory and Applications
EFB341	Development Economics: An Immersive Experience
EFB346	Market Structure and Regulation
EFB349	Macroeconomic Policy
Business	Core Option Units
Select tw	o (24cp) units from the
	Core Options Units:
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills
BSB305	Undergraduate Business Internship
BSB131	Applied Business Analytics
BSB130	Social Enterprises
BSB151	Business Law and Governance
BSB152	Financial Management
	r 2 (July) Entry
	ression relates to mid-year
(July) ent	
Year 1 Se	emester 1 (July)
BSB107	Financial Performance and Responsibility
BSB106	Dynamic Markets
Two units	from other degree component
Two units	from other degree component
	emester 2 (February)
	Business Environment
EFB228	Microeconomics
Two units	s from other degree component
	from other degree component
	emester 1 (July)
BSB105	
EFB229	Macroeconomics
Two units	from other degree component
	from other degree component
	emester 2 (February)
EFB222	Introduction to Applied Econometrics
	Business Core Option unit or cs Option Unit
Two units	s from other degree component
Two units	s from other degree component
Year 3 Se	emester 1 (July)
	Business Citizenship
Select a l	Business Core Option unit or cs Option Unit
	from other degree component
Two units	from other degree component
	emester 2 (February)
Select a l	Business Core Option unit or cs Option Unit

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	Business Core Option unit or cs Option Unit
Two units	from other degree component
Two units	from other degree component
Year 4 Se	emester 1 (July)
EFB338	Contemporary Application of Economic Theory
	Business Core Option unit or
	cs Option Unit
	from other degree component
	from other degree component
Year 4 Se	emester 2 (February
BSB399	Real World Ready - Business Capstone
	Business Core Option unit or cs Option Unit
Two units	from other degree component
	from other degree component
Economic	cs Option Units
	48 credit points) from the cs Unit Options List:
EFB210	Fundamentals of Finance
EFB225	Economics for the Real World
EFB226	Environmental Economics and Policy
EFB332	Applied Behavioural Economics
EFB333	Applied Econometrics
EFB336	International Economics
EFB337	Game Theory and Applications
EFB341	Development Economics: An Immersive Experience
EFB346	Market Structure and Regulation
EFB349	Macroeconomic Policy
Business	Core Option Units
Select 2 (24 credit points) from the
Business	Core Options List:
BSB131	Applied Business Analytics
BSB130	Social Enterprises
BSB151	Business Law and Governance
BSB152	Financial Management
BSB305	Undergraduate Business Internship
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

Semesters

- Year 1 Semester 1
- Year 1 Semester 2 ٠
- Year 2 Semester 1
- Year 2 Semester 2 Year 3 Semester 1 ٠
- Year 3 Semester 2 ٠
- Year 4 Semester 1
- Year 4 Semester 2

Business Core Option Units list

Code	Title
Year 1 Se	
BSB106	Dynamic Markets
DODIOO	Financial Performance and
BSB107	Responsibility
Two units	from other degree component
	from other degree component
	emester 2
BSB108	Business Environment
EFB231	Economics
Two units	from other degree component
	from other degree component
Year 2 Se	-
BSB105	The Future Enterprise
EFB201	Financial Markets
Two units	from other degree component
	from other degree component
Year 2 Se	• .
	Fundamentals of Finance
FFRaga	Introduction to Applied
EFB222	Econometrics
Two units	from other degree component
Two units	from other degree component
Year 3 Se	emester 1
BSB250	Business Citizenship
Select a l	Business Core Option unit
Two units	from other degree component
Two units	from other degree component
Year 3 Se	emester 2
EFB335	Investments
EFB343	Corporate Finance
	from other degree component
Two units	from other degree component
Year 4 Se	emester 1
EFB344	Risk Management and Derivatives
EFB360	Finance Capstone
Two units	from other degree component
	from other degree component
Year 4 Semester 2	
BSB399	Real World Ready - Business Capstone
Select a l	Business Core Option Unit
	from other degree component
Two units from other degree component	
	Core Option Units list
	o units (24cp) from the
	Core Options Units:
BSB151	Business Law and Governance
BSB152	Financial Management
	Experiential Learning:
BSB009	Innovation, Ideas and

	Enterprise Skills
BSB305	Undergraduate Business Internship
BSB131	Applied Business Analytics
BSB130	Social Enterprises

Semesters

- Semester 1 (February) Entry
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
 Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- ٠ Business Core Option Units:
- Semester 2 (July) Entry
- Year 1 Semester 1 (July)
- Year 1 Semester 2 (February) •
- Year 2 Semester 1 (July)
- Year 2 Semester 2 (February) •
- Year 3 Semster 1 (July)
- Year 3 Semester 2 (February)
- Year 4 Semester 1 (July)
- Year 4 Semester 2 (February) •
- Business Core Option Units list:

Code Title

This course progression relates to February entry. The course progressoin for July entry is underneath.

Year 1 Semester 1	
BSB107	Financial Performance and Responsibility
BSB108	Business Environment
Two units	from other degree component
Two units	from other degree component
Year 1 Se	emester 2
BSB105	The Future Enterprise
BSB106	Dynamic Markets
Two units	from other degree component
Two units	from other degree component
Year 2 Se	emester 1
Select a E	Business Core Option Unit
Select a Business Core Option Unit	
Two units from other degree component	
Two units from other degree component	
Students seeking professional recognition must undertake BSB151 as one of the Business Core Option units	
Year 2 Se	emester 2
AYB203	Taxation
EFB210	Fundamentals of Finance
Two units	from other degree component
Two units from other degree component	
Year 3 Se	emester 1
AYB250	Personal Financial Planning
BSB250	Business Citizenship



This information is correct as at 04/10/2022. For the most up-to-date course information, visit https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?courseCode=IX23&id=38616. CRICOS No.00213J

Two units	from other degree component
	from other degree component
Year 3 Se	emester 2
AYB232	Financial Services Regulation and Law
AYB240	Superannuation and Retirement Planning
	from other degree component
	from other degree component
Year 4 Se	emester 1
EFB227	Insurance, Risk Management and Estate Planning
EFB345	Managing Investments and Client Relationships
Two units	from other degree component
	from other degree component
Year 4 Se	emester 2
AYB346	Financial Plan Construction
A I D340	(Capstone)
BSB399	Real World Ready - Business Capstone
	from other degree component
Two units	from other degree component
	Core Option Units:
	Experiential Learning:
BSB009	Innovation, Ideas and Enterprise Skills
	Undergraduate Business
BSB305	Internship
BSB131	Applied Business Analytics
BSB130	Social Enterprises
BSB151	Business Law and Governance
BSB152	Financial Management
Semester	2 (July) Entry
	ression relates to mid-year
(July) ent	
Year 1 Se	emester 1 (July)
BSB107	Financial Performance and Responsibility
BSB108	Business Environment
Two units	from other degree component
Two units	from other degree component
Year 1 Se	emester 2 (February)
	The Future Enterprise
	Business Core Option Unit
Two units	from other degree component
Two units	from other degree component
	seeking professional
	n must undertake BSB151 as
	Business Core Option units.
Year 2 Se	emester 1 (July)
BSB106	Dynamic Markets
EFB210	Fundamentals of Finance
Two units	from other degree component
Two units	from other degree component

- our 2 OC	emester 2 (February)
AYB250	Personal Financial Planning
AYB203	Taxation
Two units	from other degree component
Two units	from other degree component
Year 3 Se	emster 1 (July)
AYB240	Superannuation and Retirement Planning
BSB250	Business Citizenship
Two units	from other degree component
Two units	from other degree component
Year 3 Se	emester 2 (February)
EFB227	Insurance, Risk Management and Estate Planning
EFB345	Managing Investments and Client Relationships
	from other degree component
	from other degree component
Year 4 Se	emester 1 (July)
AYB232	Financial Services Regulation and Law
AYB346	Financial Plan Construction (Capstone)
Two units	from other degree component
Two units	from other degree component
Voor 4 Co	emester 2 (February)
Tear 4 Se	mester z (rebruary)
BSB399	Real World Ready - Business Capstone
BSB399	Real World Ready - Business
BSB399 Select a E	Real World Ready - Business Capstone
BSB399 Select a E Two units	Real World Ready - Business Capstone Business Core Option Unit.
BSB399 Select a E Two units Two units	Real World Ready - Business Capstone Business Core Option Unit. from other degree component
BSB399 Select a E Two units Two units Business Select two	Real World Ready - Business Capstone Business Core Option Unit. from other degree component from other degree component Core Option Units list: o units from the Business Core
BSB399 Select a E Two units Two units Business Select two Option list	Real World Ready - Business Capstone Business Core Option Unit. from other degree component from other degree component Core Option Units list: o units from the Business Core t below:
BSB399 Select a E Two units Two units Business Select two Option list BSB152	Real World Ready - Business Capstone Business Core Option Unit. from other degree component from other degree component Core Option Units list: Dunits from the Business Core t below: Financial Management
BSB399 Select a E Two units Two units Business Select two Option liss BSB152 BSB131	Real World Ready - Business Capstone Business Core Option Unit. from other degree component from other degree component Core Option Units list: o units from the Business Core t below: Financial Management Applied Business Analytics
BSB399 Select a E Two units Two units Business Select two Option list BSB152	Real World Ready - Business Capstone Business Core Option Unit. from other degree component from other degree component Core Option Units list: Dunits from the Business Core t below: Financial Management
BSB399 Select a E Two units Two units Business Select two Option liss BSB152 BSB131	Real World Ready - Business Capstone Business Core Option Unit. from other degree component from other degree component Core Option Units list: o units from the Business Core t below: Financial Management Applied Business Analytics
BSB399 Select a E Two units Two units Business Select two Option list BSB152 BSB131 BSB130	Real World Ready - Business Capstone Business Core Option Unit. from other degree component from other degree component Core Option Units list: Dunits from the Business Core t below: Financial Management Applied Business Analytics Social Enterprises Experiential Learning: Innovation, Ideas and
BSB399 Select a E Two units Business Select two Option lise BSB152 BSB131 BSB130 BSB009	Real World Ready - Business Capstone Business Core Option Unit. from other degree component from other degree component Core Option Units list: o units from the Business Core t below: Financial Management Applied Business Analytics Social Enterprises Experiential Learning: Innovation, Ideas and Enterprise Skills Undergraduate Business

Year 4 Semester 1 Year 4 Semester 2

BSB105 The Future Enterprise

Title

Year 1 Semester 1

Business Core Option Units:

•

Code

MGB23 Recruiting and Selecting 0 People BSB250 Business Citizenship Two units from other degree component. Two units from other degree component. Year 3 Semester 2 MGB23 **Developing Talent** 1 MGB23 Managing Performance and 2 Rewards Two units from other degree component. Two units from other degree component. Year 4 Semester 1 Contemporary Issues in MGB37 Human Resource 1 Management Select a unit from the Business Core Options list. Two units from other degree component. Two units from other degree component. Year 4 Semester 2 MGB37 Creating Value through 2 People Real World Ready - Business **BSB399** Capstone Two units from other degree component. Two units from other degree component. **Business Core Option Units:** Select two units (24cp) from the **Business Core Options Units listed** below:

BSB108 Business Environment

Year 1 Semester 2

Year 2 Semester 1

Year 2 Semester 2

Option Unit list.

Year 3 Semester 1

BSB106

MGB13

BSB107

MGB13

MGB13

1

2

0

Two units from other degree component. Two units from other degree component.

Dynamic Markets

Managing People

Responsibility

Management

Two units from other degree component. Two units from other degree component.

Employing People Select a unit from the Business Core

Two units from other degree component. Two units from other degree component.

Two units from other degree component. Two units from other degree component.

Financial Performance and

Introducing Human Resource

Obligations and Options for

Experiential Learning: BSB009



	Innovation, Ideas and Enterprise Skills
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB151	Business Law and Governance
BSB152	Financial Management

Semesters

- Semester 1 (February) Entry
- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
 Year 4 Semester 1
- Year 4, Semester 1
 Year 4, Semester 2
- Core Options Units
- <u>Semester 2 (July) Entry</u>
- Year 1 Semester 1 (July)
- Year 1 Semester 2 (February)
- Year 2 Semester 1 (July)
- Year 2 Semester 2 (February)
- Year 3 Semester 1 (July)
- Year 3 Semester 2 (February)
- Year 4 Semester 1 (July)
- Year 4 Semester 2 (February)

Code Title

Semester 1 (February) Entry

Semester 1 and Semester 2 commencement follow different core progressions. The Semester 2 (mid-year July) entry course progression is presented below the Semester 1 (February) entry course progression. Year 1, Semester 1 BSB106 Dynamic Markets

555100	Dynamic Markets
BSB108	Business Environment
Unit from the other degree component	
Unit from	the other degree component

Year 1, Semester 2

· · · ·		
BSB105	The Future Enterprise	
AMB110	Internationalisation	
Unit from the other degree component		
Unit from	the other degree component	
Year 2, S	emester 1	
BSB107	Financial Performance and Responsibility	
MGB22 5	Intercultural Communication and Negotiation Skills	
Unit from the other degree component		
Unit from the other degree component		
Year 2, Semester 2		
AYB227	International Accounting	
Select a E	Business Core Option Unit.	
Unit from	the other degree component	

Unit from the other degree component

Year 3, S	emester 1
MGB34 0	International Business in the Asia-Pacific
BSB250	Business Citizenship
Unit from	the other degree component
Unit from	the other degree component
Year 3, S	emester 2
EFB240	Finance for International Business
AMB303	
	the other degree component
	the other degree component
Year 4, S	emester 1
BSB399	Real World Ready - Business Capstone
AMB336	······································
	the other degree component
	the other degree component
	emester 2
	Capstone Experience
Options L	
	the other degree component
	the other degree component
	ions Units
Select tw the follow	o units (24 credit points) from /ing:
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB151	Business Law and Governance
BSB152	Financial Management
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills
Semeste	r 2 (July) Entry
	w progession relates to mid- /) commencement.
Year 1 Se	emester 1 (July)
BSB106	Dynamic Markets
BSB108	Business Environment
	the other degree component
	the other degree component
	emester 2 (February)
BSB105	
AMB110	
	the other degree component
	the other degree component
rear 2 S	emester 1 (July)
BSB107	Financial Performance and Responsibility
MGB22 5	Intercultural Communication and Negotiation Skills

Unit from the other degree component Unit from the other degree component Year 2 Semester 2 (February) AYB227 International Accounting Select a Business Core Option unit Unit from the other degree component Unit from the other degree component Year 3 Semester 1 (July) Finance for International EFB240 **Business** MGB34 International Business in the Asia-Pacific 0 Unit from the other degree component Unit from the other degree component Year 3 Semester 2 (February) AMB303 International Logistics BSB250 Business Citizenship Unit from the other degree component Unit from the other degree component Year 4 Semester 1 (July) AMB336 International Marketing Select a Business Core Option unit Unit from the other degree component Unit from the other degree component Year 4 Semester 2 (February) AMB399 Capstone Experience Real World Ready - Business **BSB399** Capstone Unit from the other degree component Unit from the other degree component

Semesters

- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
 Year 4 Semester 2
- Business Core Option Unit List

Code	Title	
Year 1 Semester 1		
BSB105	The Future Enterprise	
BSB108	Business Environment	
Unit from	the other degree component	
Unit from	the other degree component	
Year 1 Semester 2		
BSB107	Financial Performance and Responsibility	
MGB13 0	Managing People	
Unit from the other degree component		
Unit from the other degree component		
Year 2 Semester 1		
BSB106	Dynamic Markets	



Select a Business Core Option Unit Unit from the other degree component Unit from the other degree component Year 2 Semester 2 MGB13 Managing Strategy 3 Select one of the following two units: MGB23 Entrepreneurship 3 Managing Knowledge, MGB23 4 Innovation, and Creativity Unit from the other degree component Unit from the other degree component Year 3 Semester 1 MGB23 Monitoring and Managing **Operational Performance** 5 BSB250 Business Citizenship Unit from the other degree component Unit from the other degree component Year 3 Semester 2 MGB23 Identifying and Managing Risk 6 Select a Business Core Option Unit Unit from the other degree component Unit from the other degree component Year 4 Semester 1 Real World Ready - Business **BSB399** Capstone MGB23 Managing Projects for Performance 7 Unit from the other degree component Unit from the other degree component Year 4 Semester 2 MGB34 Implementing Sustainable 8 Change **Creating Strategic Solutions** MGB34 for Sustainable Business 9 Growth Unit from the other degree component Unit from the other degree component **Business Core Option Unit List** Select two from the following Business Core Option Units: **Experiential Learning: BSB009** Innovation, Ideas and Enterprise Skills **Undergraduate Business BSB305** Internship Business Law and **BSB151** Governance **BSB130** Social Enterprises BSB152 Financial Management BSB131 Applied Business Analytics

Semesters

- Year 1 Semester 1
- Year 1 Semester 2

 Year 2 Semester 1 Year 2 Semester 2 Year 3 Semester 1 Year 3 Semester 2 Year 4 Semester 1 Year 4 Semester 2 Notes Marketing Streams Business Core Option Units Code Title Year 1 Semester 1 BSB105 The Future Enterprise BSB106 Dynamic Markets Unit from the other degree component Unit from the other degree component Year 1 Semester 2 Financial Performance and **BSB107** Responsibility AMB140 Marketplace Simulation Unit from the other degree component Unit from the other degree component Year 2 Semester 1 BSB108 Business Environment Select a Business Core Option Unit or a Marketing Stream Unit Unit from the other degree component Unit from the other degree component Year 2 Semester 2 Understanding how AMB200 Consumers Think, Feel, and (Mis)Behave Select a Business Core Option Unit or a Marketing Stream Unit Unit from the other degree component Unit from the other degree component Year 3 Semester 1 Marketing and Audience AMB201 Analytics AMB299 Marketing Communication Unit from the other degree component Unit from the other degree component Year 3 Semester 2 BSB250 Business Citizenship Marketing Service AMB340 Experiences Unit from the other degree component Unit from the other degree component Year 4 Semester 1 AMB399 Capstone Experience Select a Business Core Option Unit or a Marketing Stream Unit Unit from the other degree component Unit from the other degree component

Year 4 Semester 2

BSB399 Real World Ready - Business Capstone

Select a Business Core Option Unit or a

Marketing Stream Unit

Unit from the other degree component

Unit from the other degree component Notes

Select a Business Core Option Unit or a Marketing Stream Unit appears in this structure four times to provide flexibility for when students can undertake their elected two (2) Business Core Option Units and two (2) Marketing Stream units

Marketing Streams

Select two units (24 credit points) from the Marketing Streams. Units may be selected from one stream or from multiple streams.

Consumer Insight Through Data Stream

AMB305	Insights	
AMB306	Designing Consumer Research	
Marketing Through Innovation Stream		
AMB211	Branding for the Real World	
AMB251	Designing Innovative Goods and Services	
Marketing	Across Borders Stream	
AMB120	Bridging Cultures	
AMB336	International Marketing	
Leisure Industry Marketing Stream		
AMB207	Entertainment Marketing in a Digital World	
AMB209	Designing a Competitive Tourism Strategy	
Social Ch Stream	ange Through Marketing	
AMB255	Avoiding the Dark Side: Marketing, Ethics and Society	
AMB255 AMB355		
AMB355	Marketing, Ethics and Society Marketing Behavioural and	
AMB355 Business Select two	Marketing, Ethics and Society Marketing Behavioural and Social Change	
AMB355 Business Select two	Marketing, Ethics and Society Marketing Behavioural and Social Change Core Option Units o untis from the following	
AMB355 Business Select two Business	Marketing, Ethics and Society Marketing Behavioural and Social Change Core Option Units o untis from the following Core Options list: Undergraduate Business	
AMB355 Business Select tw Business BSB305	Marketing, Ethics and Society Marketing Behavioural and Social Change Core Option Units o untis from the following Core Options list: Undergraduate Business Internship Business Law and	
AMB355 Business Select two Business BSB305 BSB151	Marketing, Ethics and Society Marketing Behavioural and Social Change Core Option Units o untis from the following Core Options list: Undergraduate Business Internship Business Law and Governance	
AMB355 Business Select two Business BSB305 BSB151 BSB152	Marketing, Ethics and Society Marketing Behavioural and Social Change Core Option Units ountis from the following Core Options list: Undergraduate Business Internship Business Law and Governance Financial Management	

Semesters

- <u>Semester 1 (February) Entry</u>
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
 Year 3 Semester 1
- <u>rear 3 Semester 1</u>





Year 3 Semester 2

- Year 4 Semester 1
- Year 4 Semester 2
- ٠ **Business Core Options List**
- Semester 2 (July) Entry ٠
- Year 1 Semester 1 (July) ٠
- Year 1 Semester 2 (February)
- Year 2 Semester 1 (July) Year 2 Semester 2 (February) ٠ ٠
- Year 3 Semester 1 (July) •
- Year 3 Semester 2 (February) ٠
- Year 4 Semester 1 (July) ٠
- Year 4 Semester 2 (February)

Code Title

Semester 1	(February)) Entry
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There are different course progressions
for Semester 1 (February) and Semester
2 (July) commencement. This is the
Semester 1 entry course progression.
The Semester 2 (July) entry course
progression is presented below that.

Year 1 Semester 1 BSB105 The Future Enterprise

BSB108	Business Environment
Unit from	other degree component

Unit from other degree component

Onit nom	other degree component	
Year 1 Semester 2		
BSB106	Dynamic Markets	
AMB163	Introduction to Public Relations	
Unit from other degree component		
Unit from	other degree component	
Year 2 Semester 1		
BSB107	Financial Performance and Responsibility	
AMB164	Media Relations and Publicity	
Unit from	other degree component	
Unit from	other degree component	
Year 2 Se	emester 2	
AMB299	Marketing Communication	
AMB201	Marketing and Audience Analytics	
Unit from	other degree component	
Unit from	other degree component	
Year 3 Se	emester 1	
AMB373	Issues, Stakeholders and Reputation	
Select a E	Business Core Option Unit	
Unit from	other degree component	
Unit from	other degree component	
Year 3 Semester 2		
BSB250	Business Citizenship	
AMB375	Internal Communication and Change	
Unit from	other degree component	
Unit from	other degree component	
Year 4 Se	emester 1	

AMB374 Global Public Relations Cases

BSB399	Real World Ready - Business Capstone
Unit from	other degree component
Unit from	other degree component
Year 4 Se	emester 2
AMB399	Capstone Experience
Select a l	Business Core Option Unit
Unit from	other degree component
Unit from	other degree component
Business	Core Options List
Select tw Core Opt	o of the following Business ion Units:
	Experiential Learning:
BSB009	Innovation, Ideas and
	Enterprise Skills
BSB305	Undergraduate Business Internship
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB151	Business Law and Governance
BSB152	Financial Management
Semester	r 2 (July) Entry
	<i>w</i> course progression is for mid- <i>y</i>) commencement.
Year 1 Se	emester 1 (July)
BSB105	The Future Enterprise
BSB108	Business Environment
Unit from	other degree component
Unit from	other degree component
Year 1 Se	emester 2 (February)
BSB106	Dynamic Markets
AMB163	Introduction to Public Relations
Unit from	other degree component
	other degree component
	emester 1 (July)
	Financial Performance and
BSB107	Responsibility
AMB164	Media Relations and Publicity
Unit from	other degree component
Unit from	other degree component
Year 2 Se	emester 2 (February)
AMB299	Marketing Communication
AMB201	Marketing and Audience Analytics
Unit from	other degree component
	other degree component
	emester 1 (July)
BSB250	
	Business Core Option Unit
	other degree component
	other degree component
	emester 2 (February)

AMB373	Issues, Stakeholders and Reputation
Unit from	other degree component
Unit from	other degree component
Year 4 Se	emester 1 (July)
BSB399	Real World Ready - Business Capstone
AMB375	Internal Communication and Change
Unit from	other degree component
Unit from	other degree component
Year 4 Se	emester 2 (February)
AMB399	Capstone Experience
Select a E	Business Core Option Unit
Unit from	other degree component

Unit from other degree component

QUI

Year 3 Semester 2 (February) AMB374 Global Public Relations Cases the university for the real world

Year	2022
QUT code	IX30
CRICOS	059601K
Duration (full-time)	4 years
ATAR/Selection rank	84.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2022: CSP \$9,500 per year full-time (96 credit points)
International fee (indicative)	2022: \$31,700 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Discipline Coordinator	For more information email: askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Assumed knowledge

 Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Overview

Your Business studies will combine the broad knowledge of business practice and in depth studies in at least one business discipline area in the Bachelor of Business with the advanced quantitative skills and problem solving abilities that you will develop with the Bachelor of Mathematics.

You will develop the ability to apply mathematics, statistics, computational methods and decision science to real world problems. You will also gain understanding of the broad principles of Business at the same time as developing the skills and discipline knowledge necessary to enter the business career of your choice.

Career Outcomes

Combining business and mathematics offers diverse and sustainable career opportunities.

Business graduates are equipped to undertake sophisticated economic and financial modelling which is important in business and government decision making. Quantitative analysts are employed by the financial sector in order to optimise returns both in the short and long-term. Graduates may also become actuarial trainees in the insurance and superannuation area although further study is required in order to qualify as an actuary.

Business graduates may find employment as Accountants, Advertising Professionals, Banking and Finance Consultants, Economists, Human Resource Managers, International Business Specialists, Managers, Marketing Officers, Public Relations Officers.

Mathematics graduates are employed across a wide range of areas. These include, but are not limited to, finance, investment, data analytics, defence and national security, research, information technology, environmental science, health, management, marketing, logistics, media, and education. In addition to their knowledge and skills in mathematics, graduates are also highly valued for their analytical and problem-solving skills. Development of skills in communication, problem-solving, critical thinking and teamwork form an integral part of the course.

Favourable career outcomes for Bachelor of Mathematics graduates are likely due to the current demand for qualified statisticians and mathematicians.

Professional Recognition

Both degrees allow you to satisfy the requirements of membership of the relevant professional body for your chosen majors.

Financial Support

You should consider applying for an industry-sponsored mathematics bursary or a business scholarship to help you financially throughout your studies. For further information visit <u>Scholarships</u>.

Domestic Course structure

Students are required to complete 384 credit points comprised of 192 credit points from the Bachelor of Mathematics program and 192 credit points from the Bachelor of Business program.

Business component:

- eight Business School core units (96 credit points) including MGB227 (see below)*
- eight major core units (96 credit points)

*Please note that BSB123 Data Analysis



(one of the Business School core units) is not required as the content of MXB107 covers similar topics. MGB227 Entrepreneurship replaces BSB123.

*Accounting major students complete six business core units and 10 accounting major units to allow them to complete professional requirements.

Mathematics component:

- 96 credit points (8 units) of Core units, which include 12 credit points (1 unit) of Core Option units selected from an approved list.
- 96 credit points (8 units) of Major Core units

Mathematics core units

These units give you the grounding in mathematical theory and practice upon which your major units will build, and also provide an introductory taste of each of the three majors: applied and computational mathematics; operations research; and statistics.

Core option units

You may choose from a wide variety of introductory units from other disciplines offered at QUT, or you may choose additional mathematics units. The additional mathematics units include a unit specially designed to assist students without a background of successful study in Mathematics C at high school; an alternative unit aimed at high achieving students that explores some interesting and unusual aspects of mathematics in some detail; and a unit introducing the field of computational and simulation science which combines mathematics, science and computing to simulate realworld problems.

International Course structure

Students are required to complete 384 credit points comprised of 192 credit points from the Bachelor of Mathematics program and 192 credit points from the Bachelor of Business program.

Business component:

- · eight Business School core units (96 credit points) including MGB227 (see below)*
- eight major core units (96 credit points)

*Please note that BSB123 Data Analysis (one of the Business School core units) is not required as the content of MXB107 covers similar topics. MGB227 Entrepreneurship replaces

BSB123.

*Accounting major students complete six business core units and 10 accounting major units to allow them to complete professional requirements.

Mathematics component:

- 96 credit points (8 units) of Core units, which include 12 credit points (1 unit) of Core Option units selected from an approved list.
- 96 credit points (8 units) of Major Core units

Mathematics core units

These units give you the grounding in mathematical theory and practice upon which your major units will build, and also provide an introductory taste of each of the three majors: applied and computational mathematics; operations research; and statistics.

Core option units

You may choose from a wide variety of introductory units from other disciplines offered at QUT, or you may choose additional mathematics units. The additional mathematics units include a unit specially designed to assist students without a background of successful study in Mathematics C at high school; an alternative unit aimed at high achieving students that explores some interesting and unusual aspects of mathematics in some detail; and a unit introducing the field of computational and simulation science which combines mathematics, science and computing to simulate realworld problems.

Sample Structure **Semesters**

- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
 Year 4 Semester 2

Code	Title
Year 1 Semester 1	
Business School Un	it
Business School Un	it
Maths Core Unit	
Maths Core Unit	
Year 1 Semester 2	
Business School Un	it
Business School Un	it
Maths Core Unit	
Maths Core Unit	
Year 2 Semester 1	

Business School Unit Maths Core Unit Maths Core Option Unit Year 2 Semester 2 **Business School Unit Business School Unit** Maths Core Unit Maths Core Unit Year 3 Semester 1 **Business School Unit Business School Unit** Maths Common Major Unit Maths Major Unit Year 3 Semester 2 **Business School Unit Business School Unit** Maths Common Major Unit Maths Major Unit Year 4 Semester 1 **Business School Unit Business School Unit** Maths Major Unit

Business School Unit

Maths Major Unit Year 4 Semester 2

Business School Unit Business School Unit Maths Major Unit

Maths Major Unit (Capstone)

Semesters

Year 1 Semester 1

- Year 1 Semester 2
- . Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2 Business Core Option Units

Title Code

Year 1 Se	emester 1
BSB107	Financial Performance and Responsibility
BSB108	Business Environment
Unit from	the other degree component
Unit from	the other degree component
Year 1 Se	emester 2
BSB106	Dynamic Markets
Select a B	Business Core Option Unit
Unit from	the other degree component
Unit from	the other degree component
Unit BSB151 is undertaken as one of the two Business Core Option Units if seeking professional recognition upon graduation.	



Year 2 Semester 1		
AYB106	Accounting Processes and Systems	
BSB105	The Future Enterprise	
Unit from	the other degree component	
Unit from	the other degree component	
Year 2 Se	emester 2	
AYB201	Financial Accounting and Reporting	
AYB202	Management Accounting	
Unit from	the other degree component	
Unit from	the other degree component	
Year 3 Se	emester 1	
AYB203	Taxation	
BSB152	Financial Management	
Unit from	the other degree component	
Unit from	the other degree component	
	152 is undertaken as one of the	
	ness Core Option Units if	
	professional recognition upon	
graduatio		
Year 3 Se		
AYB230	Corporations Law	
BSB250	Business Citizenship	
	the other degree component	
	the other degree component	
Year 4 Se		
BSB399	Real World Ready - Business Capstone	
AYB340	Company Accounting	
Unit from	the other degree component	
Unit from	the other degree component	
Year 4 Se	emester 2	
AYB301	Audit and Assurance	
AYB339	Accountancy Capstone	
Unit from	the other degree component	
Unit from	the other degree component	
Business	Core Option Units	
Select on	e Business Core Option Unit:	
BSB305	Undergraduate Business Internship	
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills	
BSB130	Social Enterprises	
BSB131	Applied Business Analytics	

Semesters

- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
 Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Business Core Option Units

Code	Title
Year 1 Se	
BSB105	
BSB106	Dynamic Markets
Unit from	the other course component
	the other course component
Year 1 Se	
	Financial Performance and
BSB107	Responsibility
AMB111	Advertising Works
	the other course component
	the other course component
Year 2 Se	emester 1
BSB108	Business Environment
AMB200	Understanding how Consumers Think, Feel, and (Mis)Behave
Unit from	the other course component
Unit from	the other course component
Year 2 Se	emester 2
AMB201	Marketing and Audience Analytics
AMB223	Create Advertising
Unit from	the other course component
Unit from	the other course component
Year 3 Se	emester 1
AMB224	Consumers and Media Channels
Select a F	Business Core Option Unit
	the other course component
	the other course component
Year 3 Se	
	Business Citizenship
	Business Core Option Unit
	the other course component
	the other course component
Year 4 Se	
AMB299	
AMB330	Digital Optimisation
	the other course component
	the other course component
Year 4 Se	-
BSB399	Real World Ready - Business
AMB399	Capstone Capstone Experience
	the other course component
	the other course component
	Core Option Units
	o units from the following core
	Business Law and
BSB151	Governance
BSB152	Financial Management
BSB009	Experiential Learning: Innovation, Ideas and

Enterprise SkillsBSB305Undergraduate Business
InternshipBSB131Applied Business AnalyticsBSB130Social Enterprises

Semesters

- Semester 1 (Feburary) Entry
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Economics Option Units
- Business Core Option Units
- Semester 2 (July) Entry
- Year 1 Semester 1 (July)
- Year 1 Semester 2 (February)
- Year 2 Semester 1 (July)
- Year 2 Semester 2 (February)
- Year 3 Semester 1 (July)
- Year 3 Semester 2 (February)
- Year 4 Semester 1 (July)
- Year 4 Semester 2 (February
- Economics Option Units
- Business Core Option Units

Code Title

Semester 1 (Feburary) Entry This course progression relates to February entry. The course progression for July entry is underneath.

· · · , ·	,
Year 1 Se	emester 1
BSB106	Dynamic Markets
BSB107	Financial Performance and Responsibility
Two units	from other degree component
Two units	from other degree component
Year 1 Se	emester 2
BSB108	Business Environment
EFB228	Microeconomics
Two units	from other degree component
Two units	from other degree component
Year 2 Se	emester 1
BSB105	The Future Enterprise
EFB229	Macroeconomics
Two units	from other degree component
Two units	from other degree component
Year 2 Se	emester 2
EFB222	Introduction to Applied Econometrics
	Business Core Option or cs Option Unit
Two units	from other degree component
Two units	from other degree component
Year 3 Se	emester 1
BSB250	Business Citizenship

Select a Business Core Option or

the university for the real world

This information is correct as at 04/10/2022. For the most up-to-date course information, visit https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?course?code=IX30&id=38617. CRICOS No.00213J

Economics Option Unit		
Two units	from other degree component	
Two units from other degree component		
Year 3 Se	emester 2	
	Business Core Option or the Option Unit	
	Business Core Option or cs Option Unit	
Two units	from other degree component	
	from other degree component	
Year 4 Se	0 1	
BSB399	Real World Ready - Business Capstone	
	Business Core Option or	
Two units	from other degree component	
	from other degree component	
Year 4 Se	· ·	
	Contemporary Application of	
EFB338	Economic Theory	
	Business Core Option or cs Option Unit	
Two units	from other degree component	
Two units	from other degree component	
Economic	cs Option Units	
Select 4 (48cp) from the Economics Unit	
Options li	sted below:	
EFB210	Fundamentals of Finance	
EFB225	Economics for the Real World	
EFB226	Environmental Economics and Policy	
EFB332	Applied Behavioural Economics	
EFB333	Applied Econometrics	
EFB336	International Economics	
LI DOOO	Game Theory and	
EFB337	Applications	
EFB341	Development Economics: An Immersive Experience	
EFB346	Market Structure and Regulation	
EFB349	Macroeconomic Policy	
Business	Core Option Units	
Select two	o (24cp) units from the	
	Core Options Units:	
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills	
BSB305	Undergraduate Business Internship	
BSB131	Applied Business Analytics	
BSB130	Social Enterprises	
BSB151	Business Law and	
	Governance	
BSB152	Financial Management	
	2 (July) Entry	
This prog	ression relates to mid-vear	

Year 1 Semester 1 (July)BSB107Financial Performance and ResponsibilityBSB106Dynamic MarketsTwo units from other degree componentYear 1 Semester 2 (February)BSB108Business EnvironmentEFB228MicroeconomicsTwo units from other degree componentYear 2 Semester 1 (July)BSB105The Future EnterpriseEFB229MacroeconomicsTwo units from other degree componentYear 2 Semester 1 (July)BSB105The Future EnterpriseEFB229MacroeconomicsTwo units from other degree componentYear 2 Semester 2 (February)EFB222Introduction to Applied EconometricsSelect a Business Core Option unit or Economics Option UnitTwo units from other degree componentYear 3 Semester 1 (July)BSB250Business CitizenshipSelect a Business Core Option unit or Economics Option UnitTwo units from other degree componentYear 3 Semester 2 (February)Select a Business Core Option unit or Economics Option UnitYwo units from other degree componentYear 3 Semester 2 (February)Select a Business Core Option unit or Economics Option UnitYwo units from other degree componentYear 4 Semester 1 (July)EFB338Contemporary Application of Economics Option UnitYwo units from other degree componentYear 4 Semester 2 (FebruarySelect a Business Core Option unit or Economics Option UnitYwo units from other degree component<	(July) ent	ry.		
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Economics Option Units Select 4 (48 credit points) from the Economics Unit Options List:		÷ .		
Select 4 (48 credit points) from the Economics Unit Options List:				
	Select 4 (48 credit points) from the		
		-		

EFB225	Economics for the Real World
EFB226	Environmental Economics and Policy
EFB332	Applied Behavioural Economics
EFB333	Applied Econometrics
EFB336	International Economics
EFB337	Game Theory and Applications
EFB341	Development Economics: An Immersive Experience
EFB346	Market Structure and Regulation
EFB349	Macroeconomic Policy
Business	Core Option Units
· · · ·	24 credit points) from the Core Options List:
BSB131	Applied Business Analytics
BSB130	Social Enterprises
BSB151	Business Law and Governance
BSB152	Financial Management
BSB305	Undergraduate Business Internship
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

Semesters

•	Year 1	Semester	1

- Year 1 Semester 2
- Year 2 Semester 1
 Year 3 Semester 1
 Year 3 Semester 2
 Year 3 Semester 2

- Year 4 Semester 1
- •
- Year 4 Semester 2 Business Core Option Units list ٠

Code	Title	
Year 1 Se	emester 1	
BSB106	Dynamic Markets	
BSB107	Financial Performance and Responsibility	
Two units	from other degree component	
Two units	from other degree component	
Year 1 Se	emester 2	
BSB108	Business Environment	
EFB231	Economics	
Two units	from other degree component	
Two units	from other degree component	
Year 2 Se	emester 1	
BSB105	The Future Enterprise	
EFB201	Financial Markets	
Two units from other degree component		
Two units from other degree component		
Year 2 Semester 2		
EFB210	Fundamentals of Finance	
EFB222	Introduction to Applied	
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<th a="" by="" colspace="" constraint="" of="" sec<="" section="" th="" the=""><th></th><th>Econometrics</th></th>	<th></th> <th>Econometrics</th>		Econometrics
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Year 4 Semester 1EFB344Risk Management and DerivativesEFB360Finance CapstoneTwo unitsFrom other degree componentTwo unitsfrom other degree componentTwo unitsFrom other degree componentYear 4 Semester 2BSB399Real World Ready - Business CapstoneSelect a Usiness Core Option UnitTwo unitsfrom other degree componentTwo unitsfrom other degree componentTwo unitsfrom other degree componentBusinessCore Option UnitsSelect two units (24cp) from the BusinessSelect two units (24cp) from the GovernanceBSB151Business Law and GovernanceBSB152Financial ManagementBSB152Financial ManagementBSB009Indergraduate Business InternshipBSB305Applied Business Analytics			
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Two units From other degree componentYear 4 Summer of the start	EFB360	Finance Capstone	
Year 4 Semester 2BSB399Real World Ready - Business CapstoneSelect a Business Core Option UnitTwo units from other degree componentTwo units from other degree componentTwo units from other degree componentBusiness Core Option Units listSelect two units (24cp) from the Business Core Options Units:BSB151Business Law and GovernanceBSB152Financial ManagementBSB009Experiential Learning: Innovation, Ideas and Enterprise SkillsBSB305Undergraduate Business InternshipBSB131Applied Business Analytics	Two units	from other degree component	
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Two units From other degree componentTwo units From other degree componentBusiness Core Option Units listSelect two units (24cp) from the Business Core Options Units:BSB151Business Law and GovernanceBSB152Financial ManagementBSB009Experiential Learning: Innovation, Ideas and Enterprise SkillsBSB305Undergraduate Business InternshipBSB131Applied Business Analytics		emester 2	
Two units from other degree componentBusiness Core Option Units listSelect two units (24cp) from the Business Core Options Units:BSB151Business Law and GovernanceBSB152Financial ManagementBSB009Experiential Learning: Innovation, Ideas and Enterprise SkillsBSB305Undergraduate Business InternshipBSB131Applied Business Analytics	Year 4 Se	emester 2 Real World Ready - Business	
Business Core Option Units listSelect two units (24cp) from the Business Core Options Units:BSB151Business Law and GovernanceBSB152Financial ManagementBSB009Experiential Learning: Innovation, Ideas and 	Year 4 Se BSB399	emester 2 Real World Ready - Business Capstone	
Select two units (24cp) from the Business Core Options Units:BSB151Business Law and GovernanceBSB152Financial ManagementBSB009Experiential Learning: Innovation, Ideas and Enterprise SkillsBSB305Undergraduate Business InternshipBSB131Applied Business Analytics	Year 4 Se BSB399 Select a B	emester 2 Real World Ready - Business Capstone Business Core Option Unit	
Business Core Options Units:BSB151Business Law and GovernanceBSB152Financial ManagementBSB009Experiential Learning: Innovation, Ideas and Enterprise SkillsBSB305Undergraduate Business InternshipBSB131Applied Business Analytics	Year 4 Se BSB399 Select a E Two units	Real World Ready - Business Capstone Business Core Option Unit from other degree component	
BSB151GovernanceBSB152Financial ManagementBSB009Experiential Learning: Innovation, Ideas and Enterprise SkillsBSB305Undergraduate Business InternshipBSB131Applied Business Analytics	Year 4 Se BSB399 Select a E Two units Two units	Real World Ready - Business Capstone Business Core Option Unit from other degree component from other degree component	
BSB009Experiential Learning: Innovation, Ideas and Enterprise SkillsBSB305Undergraduate Business InternshipBSB131Applied Business Analytics	Year 4 Se BSB399 Select a E Two units Two units Business Select two	Real World Ready - Business Capstone Business Core Option Unit from other degree component from other degree component Core Option Units list o units (24cp) from the	
BSB009Innovation, Ideas and Enterprise SkillsBSB305Undergraduate Business InternshipBSB131Applied Business Analytics	Year 4 Se BSB399 Select a E Two units Two units Business Select two Business	Real World Ready - Business Capstone Business Core Option Unit from other degree component from other degree component Core Option Units list o units (24cp) from the Core Options Units: Business Law and	
BSB305 Internship BSB131 Applied Business Analytics	Year 4 Se BSB399 Select a E Two units Two units Business Select two Business BSB151	Real World Ready - Business Capstone Business Core Option Unit from other degree component from other degree component Core Option Units list o units (24cp) from the Core Options Units: Business Law and Governance	
	Year 4 Se BSB399 Select a E Two units Two units Business Select two Business BSB151 BSB152	Real World Ready - Business Capstone Business Core Option Unit from other degree component from other degree component Core Option Units list o units (24cp) from the Core Options Units: Business Law and Governance Financial Management Experiential Learning: Innovation, Ideas and	
BSB130 Social Enterprises	Year 4 Se BSB399 Select a E Two units Business Select two Business BSB151 BSB152 BSB009	Real World Ready - Business Capstone Business Core Option Unit from other degree component from other degree component Core Option Units list o units (24cp) from the Core Options Units: Business Law and Governance Financial Management Experiential Learning: Innovation, Ideas and Enterprise Skills Undergraduate Business	
	Year 4 Se BSB399 Select a E Two units Business Select two Business BSB151 BSB152 BSB009 BSB305	Real World Ready - Business Capstone Business Core Option Unit from other degree component from other degree component Core Option Units list o units (24cp) from the Core Options Units: Business Law and Governance Financial Management Experiential Learning: Innovation, Ideas and Enterprise Skills Undergraduate Business Internship	

Semesters

- Semester 1 (February) Entry
- ٠ Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
 Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1 ٠
- Year 4 Semester 2 ٠
- **Business Core Option Units:** Semester 2 (July) Entry
- Year 1 Semester 1 (July) ٠
- ٠ Year 1 Semester 2 (February)
- Year 2 Semester 1 (July) ٠
- Year 2 Semester 2 (February) ٠
- Year 3 Semster 1 (July)
- ٠ Year 3 Semester 2 (February)
- Year 4 Semester 1 (July) ٠
- Year 4 Semester 2 (February)
- **Business Core Option Units list:**

Code	Title	
Semester	1 (February) Entry	
	se progression relates to	
	entry. The course progressoin	
-	ntry is underneath.	
Year 1 Se		
BSB107 Financial Performance and Responsibility		
BSB108	Business Environment	
Two units	from other degree component	
Two units	from other degree component	
Year 1 Se	emester 2	
BSB105	The Future Enterprise	
BSB106	Dynamic Markets	
Two units	from other degree component	
Two units	from other degree component	
Year 2 Se	emester 1	
Select a E	Business Core Option Unit	
Select a E	Business Core Option Unit	
Two units	from other degree component	
Two units	from other degree component	
Students	seeking professional	
	on must undertake BSB151 as	
	Business Core Option units	
Year 2 Se		
AYB203	Taxation	
EFB210	Fundamentals of Finance	
	from other degree component	
	from other degree component	
Year 3 Se		
AYB250	· · · · · · · · · · · · · · · · · · ·	
BSB250	Business Citizenship	
	from other degree component	
	from other degree component	
Year 3 Se		
AYB232	Financial Services Regulation and Law	
AYB240	Superannuation and Retirement Planning	
Two units	from other degree component	
	from other degree component	
Year 4 Semester 1		
EFB227	Insurance, Risk Management and Estate Planning	
EFB345	Managing Investments and Client Relationships	
Two units	from other degree component	
	from other degree component	
Year 4 Se		
AYB346	Financial Plan Construction (Capstone)	
BSB399	Real World Ready - Business Capstone	
Two units	from other degree component	
	from other degree component	

Business	Core Option Units:
	Experiential Learning:
BSB009	Innovation, Ideas and
	Enterprise Skills
DODOOF	Undergraduate Business
BSB305	Internship
BSB131	Applied Business Analytics
BSB130	Social Enterprises
202100	Business Law and
BSB151	Governance
BSB152	Financial Management
	r 2 (July) Entry
	ression relates to mid-year
(July) ent	•
Year 1 Se	emester 1 (July)
BSB107	Financial Performance and
	Responsibility
BSB108	Business Environment
Two units	from other degree component
Two units	from other degree component
	emester 2 (February)
	The Future Enterprise
	Business Core Option Unit
	•
	s from other degree component
Two units	from other degree component
	seeking professional
	on must undertake BSB151 as
	e Business Core Option units.
Year 2 Se	emester 1 (July)
BSB106	Dynamic Markets
EFB210	Fundamentals of Finance
Two units	from other degree component
	from other degree component
	emester 2 (February)
	Personal Financial Planning
AYB203	Taxation
Two units	s from other degree component
Two units	from other degree component
Year 3 Se	emster 1 (July)
	Superannuation and
AYB240	Retirement Planning
BSB250	Business Citizenship
	from other degree component
	from other degree component
	* *
rear 3 Se	emester 2 (February)
EFB227	Insurance, Risk Management
	and Estate Planning
EFB345	Managing Investments and
	Client Relationships
Two units	s from other degree component
Two units	from other degree component
	emester 1 (July)
	Financial Services Regulation
AYB232	and Law
	Financial Plan Construction
AYB346	(Capstone)

This information is correct as at 04/10/2022. For the most up-to-date course information, visit https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?courseCode=IX30&id=38617. CRICOS No.00213J

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Two units from other degree component		
Two units from other degree component		
Year 4 Se	emester 2 (February)	
BSB399	Real World Ready - Business Capstone	
Select a B	Business Core Option Unit.	
Two units from other degree component		
Two units	from other degree component	
Business	Core Option Units list:	
Select two units from the Business Core Option list below:		
BSB152	Financial Management	
BSB131	Applied Business Analytics	
BSB130	Social Enterprises	
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills	
BSB305	Undergraduate Business Internship	
BSB151	Business Law and Governance	

Semesters

- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Business Core Option Units:

CodeTitleYear 1 Semester 1BSB105The Future EnterpriseBSB108Business EnvironmentTwo units from other degree component.Two units from other degree component.Year 1 Semester 2

Year 1 Semester 2			
BSB106	Dynamic Markets		
MGB13 0	Managing People		
Two units	from other degree component.		
Two units	from other degree component.		
Year 2 Se	emester 1		
BSB107	Financial Performance and Responsibility		
MGB13 1	Introducing Human Resource Management		
Two units	Two units from other degree component.		
Two units from other degree component.			
Year 2 Semester 2			
MGB13 2	Obligations and Options for Employing People		
Select a unit from the Business Core Option Unit list.			
Two units from other degree component.			
Two units from other degree component.			

Year 3 Se	emester 1		
MGB23	Recruiting and Selecting		
0	People		
BSB250	Business Citizenship		
Two units	from other degree component.		
Two units	from other degree component.		
Year 3 Se	emester 2		
MGB23 1	Developing Talent		
MGB23 2	Managing Performance and Rewards		
Two units	from other degree component.		
Two units	from other degree component.		
Year 4 Se	emester 1		
MGB37 1	Contemporary Issues in Human Resource Management		
Select a Options li	unit from the Business Core st.		
Two units	from other degree component.		
Two units	from other degree component.		
Year 4 Semester 2			
Year 4 Se	emester 2		
Year 4 Se MGB37 2	emester 2 Creating Value through People		
MGB37	Creating Value through		
MGB37 2 BSB399	Creating Value through People Real World Ready - Business		
MGB37 2 BSB399 Two units	Creating Value through People Real World Ready - Business Capstone		
MGB37 2 BSB399 Two units Two units	Creating Value through People Real World Ready - Business Capstone		
MGB37 2 BSB399 Two units Two units Business Select tw	Creating Value through People Real World Ready - Business Capstone from other degree component.		
MGB37 2 BSB399 Two units Two units Business Select tw Business	Creating Value through People Real World Ready - Business Capstone from other degree component. from other degree component. Core Option Units: o units (24cp) from the		
MGB37 2 BSB399 Two units Two units Business Select tw Business below:	Creating Value through People Real World Ready - Business Capstone from other degree component. from other degree component. Core Option Units: o units (24cp) from the Core Options Units listed Experiential Learning: Innovation, Ideas and Enterprise Skills Social Enterprises		
MGB37 2 BSB399 Two units Two units Business Select tw Business below: BSB009	Creating Value through People Real World Ready - Business Capstone from other degree component. from other degree component. Core Option Units: o units (24cp) from the Core Options Units listed Experiential Learning: Innovation, Ideas and Enterprise Skills		
MGB37 2 BSB399 Two units Two units Business Select tw Business below: BSB009 BSB130	Creating Value through People Real World Ready - Business Capstone from other degree component. from other degree component. Core Option Units: o units (24cp) from the Core Options Units listed Experiential Learning: Innovation, Ideas and Enterprise Skills Social Enterprises		
MGB37 2 BSB399 Two units Two units Business Select tw Business below: BSB009 BSB130 BSB131	Creating Value through People Real World Ready - Business Capstone from other degree component. from other degree component. Core Option Units: o units (24cp) from the Core Options Units listed Experiential Learning: Innovation, Ideas and Enterprise Skills Social Enterprises Applied Business Analytics Undergraduate Business		
MGB37 2 BSB399 Two units Two units Business Select tw Business below: BSB009 BSB130 BSB131 BSB305	Creating Value through People Real World Ready - Business Capstone from other degree component. Core Option Units: o units (24cp) from the Core Options Units listed Experiential Learning: Innovation, Ideas and Enterprise Skills Social Enterprises Applied Business Analytics Undergraduate Business Internship Business Law and		

Semesters

٠	Semester 1	(February)	Entry

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
 Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Core Options Units
- Semester 2 (July) Entry
- Year 1 Semester 1 (July)
- Year 1 Semester 2 (February)
- Year 2 Semester 1 (July)
- Year 2 Semester 2 (February)
- Year 3 Semester 1 (July)
- Year 3 Semester 2 (February)

 <u>Year 4 Semester 1 (July)</u> <u>Year 4 Semester 2 (February)</u> 			
Code Semester	Code Title Semester 1 (February) Entry		
comment	Semester 1 and Semester 2 commencement follow different core		
	ons. The Semester 2 (mid-year		
• •	y course progression is d below the Semester 1		
	<i>i</i>) entry course progression.		
Year 1, S	emester 1		
BSB106	Dynamic Markets		
BSB108	Business Environment		
Unit from	the other degree component		
Unit from	the other degree component		
Year 1, S	emester 2		
BSB105	The Future Enterprise		
AMB110	Internationalisation		
Unit from	the other degree component		
Unit from	the other degree component		
Year 2, S	emester 1		
BSB107	Financial Performance and Responsibility		
MGB22 5	Intercultural Communication and Negotiation Skills		
Unit from	the other degree component		
Unit from	the other degree component		
Year 2, S	emester 2		
AYB227	International Accounting		
Select a l	Business Core Option Unit.		
Unit from	the other degree component		
Unit from	the other degree component		
Year 3, S	emester 1		
MGB34 0	International Business in the Asia-Pacific		
BSB250	Business Citizenship		
	the other degree component		
	the other degree component		
Year 3, S	emester 2		
EFB240	Finance for International Business		
AMB303	International Logistics		
	the other degree component		
	the other degree component		
Year 4, S	emester 1		
BSB399	Real World Ready - Business Capstone		
AMB336	International Marketing		
Unit from	the other degree component		
Unit from	the other degree component		
Year 4, S	emester 2		
AMB399	Capstone Experience		
Select a Options L	unit from the Business Core .ist.		
-	the other degree component		



Bachelor of Business/Bachelor of Mathematics

	the other degree component
Core Opti	ons Units
Select two the follow	o units (24 credit points) from ing:
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB151	Business Law and Governance
BSB152	Financial Management
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills
Semester	2 (July) Entry
The below	v progession relates to mid-
) commencement.
	emester 1 (July)
BSB106	Dynamic Markets
BSB108	Business Environment
Unit from	the other degree component
	the other degree component
Year 1 Se	emester 2 (February)
BSB105	The Future Enterprise
AMB110	Internationalisation
Unit from	the other degree component
Unit from	the other degree component
Year 2 Se	emester 1 (July)
BSB107	Financial Performance and Responsibility
MGB22 5	Intercultural Communication and Negotiation Skills
Unit from	the other degree component
Unit from	the other degree component
Year 2 Se	emester 2 (February)
AYB227	International Accounting
Select a E	Business Core Option unit
Unit from	the other degree component
Unit from	the other degree component
Year 3 Se	emester 1 (July)
EFB240	Finance for International Business
MGB34 0	International Business in the Asia-Pacific
Unit from	the other degree component
Unit from	the other degree component
Year 3 Se	emester 2 (February)
AMB303	International Logistics
BSB250	Business Citizenship
Unit from	the other degree component
	the other degree component
	emester 1 (July)
	International Marketing
	Business Core Option unit
	the other degree component

	the other degree component
	emester 2 (February)
AMB399	Capstone Experience
BSB399	Real World Ready - Business Capstone
Unit from	the other degree component
Unit from	the other degree component
Semeste	
	r 1 Semester 1
 Yea 	r 1 Semester 2
• <u>Yea</u>	r 2 Semester 1
• <u>rea</u> • Yea	<u>r 2 Semester 2</u> r 3 Semester 1
• <u>Yea</u>	<u>r 3 Semester 2</u>
• <u>Yea</u>	r 4 Semester 1
	r 4 Semester 2 iness Core Option Unit List
Code	Title
Year 1 Se	
BSB105	The Future Enterprise
BSB108	Business Environment
Unit from	the other degree component
	the other degree component
	emester 2
BSB107	Financial Performance and Responsibility
MGB13 0	Managing People
Unit from	the other degree component
Unit from	the other degree component
Year 2 Se	emester 1
BSB106	Dynamic Markets
	Business Core Option Unit
	the other degree component
	the other degree component
	emester 2
MGB13	Managing Strategy
-	
	e of the following two units:
MGB23 3	Entrepreneurship
MGB23 4	Managing Knowledge, Innovation, and Creativity
Unit from	the other degree component
Unit from	the other degree component
Year 3 Se	emester 1
MGB23	Monitoring and Managing
5	Operational Performance
BSB250	Business Citizenship
Unit from	the other degree component
Unit from	the other degree component
	emester 2
MGB23	
6	Identifying and Managing Risk
Select a l	Business Core Option Unit
Unit from	the other degree component

Unit from the other degree component

Year 4 Se	the other degree component emester 1
	Real World Ready - Busines
BSB399	Capstone
MGB23	Managing Projects for
7	Performance
	the other degree component
	the other degree component
	emester 2
MGB34 8	Implementing Sustainable Change
MGB34	Creating Strategic Solutions
9	for Sustainable Business Growth
Unit from	the other degree component
Unit from	the other degree component
Business	Core Option Unit List
	o from the following Business
Core Opt	ion Units:
DODOOO	Experiential Learning:
BSB009	Innovation, Ideas and Enterprise Skills
	Undergraduate Business
BSB305	Internship
BSB151	Business Law and
000101	Governance
BSB130	Social Enterprises
BSB152	Financial Management
BSB131	Applied Business Analytics
Semeste	
	r 1 Semester 1
Year 1 Semester 2	
• <u>Yea</u> • Yea	r 2 Semester 1
 Yea 	r 2 Semester 1 r 2 Semester 2

- Year 3 Semester 1
 Year 3 Semester 2
- Year 4 Semester 1
 Year 4 Semester 2
- Notes
- Marketing Streams
- Business Core Option Units

Code	Title	
Year 1 Semester 1		
BSB105	The Future Enterprise	
BSB106	Dynamic Markets	
Unit from the other degree component		
Unit from	the other degree component	
Year 1 Se	emester 2	
BSB107	Financial Performance and Responsibility	
AMB140	Marketplace Simulation	
Unit from the other degree component		
Unit from the other degree component		
Year 2 Semester 1		
BSB108	Business Environment	
Select a Business Core Option Unit or a Marketing Stream Unit		

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Bachelor of Business/Bachelor of Mathematics

Unit from the other degree component Unit from the other degree component Year 2 Semester 2 Understanding how AMB200 Consumers Think, Feel, and (Mis)Behave Select a Business Core Option Unit or a Marketing Stream Unit Unit from the other degree component Unit from the other degree component Year 3 Semester 1 Marketing and Audience AMB201 Analytics AMB299 Marketing Communication Unit from the other degree component Unit from the other degree component Year 3 Semester 2 BSB250 Business Citizenship Marketing Service AMB340 **Experiences** Unit from the other degree component Unit from the other degree component Year 4 Semester 1 AMB399 Capstone Experience Select a Business Core Option Unit or a Marketing Stream Unit Unit from the other degree component Unit from the other degree component Year 4 Semester 2 Real World Ready - Business **BSB399** Capstone Select a Business Core Option Unit or a Marketing Stream Unit Unit from the other degree component Unit from the other degree component Notes Select a Business Core Option Unit or a Marketing Stream Unit appears in this structure four times to provide flexibility for when students can undertake their elected two (2) Business Core Option Units and two (2) Marketing Stream units Marketing Streams Select two units (24 credit points) from the Marketing Streams. Units may be selected from one stream or from multiple streams. Consumer Insight Through Data Stream Analysis for Consumer AMB305 Insights Designing Consumer AMB306 Research Marketing Through Innovation Stream AMB211 Branding for the Real World **Designing Innovative Goods** AMB251 and Services

Marketing	Across Borders Stream
AMB120	Bridging Cultures
AMB336	International Marketing
Leisure Ir	ndustry Marketing Stream
AMB207	Entertainment Marketing in a Digital World
AMB209	Designing a Competitive Tourism Strategy
Social Ch Stream	ange Through Marketing
AMB255	Avoiding the Dark Side: Marketing, Ethics and Society
	Marketing Behavioural and
AMB355	Social Change
	Social Change Core Option Units
Business Select two	
Business Select two	Core Option Units o untis from the following
Business Select two Business	Core Option Units o untis from the following Core Options list: Undergraduate Business
Business Select two Business BSB305	Core Option Units o untis from the following Core Options list: Undergraduate Business Internship Business Law and
Business Select tw Business BSB305 BSB151	Core Option Units o untis from the following Core Options list: Undergraduate Business Internship Business Law and Governance
Business Select two Business BSB305 BSB151 BSB152	Core Option Units o untis from the following Core Options list: Undergraduate Business Internship Business Law and Governance Financial Management

- Semester 1 (February) Entry
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- **Business Core Options List**
- Semester 2 (July) Entry .
- Year 1 Semester 1 (July)
- . Year 1 Semester 2 (February)
- Year 2 Semester 1 (July)
- Year 2 Semester 2 (February) .
- Year 3 Semester 1 (July)
- Year 3 Semester 2 (February) .
- Year 4 Semester 1 (July)
- Year 4 Semester 2 (February) •

Title Code

Semester 1 (February) Entry

There are different course progressions for Semester 1 (February) and Semester 2 (July) commencement. This is the Semester 1 entry course progression. The Semester 2 (July) entry course progression is presented below that. Voor 1 Somostor 1

Year 1 Semester 1	
BSB105	The Future Enterprise
BSB108	Business Environment
Unit from other degree component	
Unit from other degree component	

Year 1 Se	emester 2
BSB106	Dynamic Markets
AMB163	Introduction to Public Relations
Unit from	other degree component
	other degree component
Year 2 Se	
	Financial Performance and
BSB107	Responsibility
AMB164	Media Relations and Publicity
	other degree component
	other degree component
Year 2 Se	emester 2
AMB299	Marketing Communication
AMB201	Marketing and Audience Analytics
Unit from	other degree component
	other degree component
Year 3 Se	
	Issues, Stakeholders and
AMB373	Reputation
Select a B	Business Core Option Unit
	other degree component
	other degree component
	emester 2
BSB250	Business Citizenship
000200	Internal Communication and
AMB375	Change
	other degree component
	other degree component
Year 4 Se	
AMB374 BSB399	Global Public Relations Case Real World Ready - Busines
	Capstone
	other degree component
	other degree component
Year 4 Se	emester 2
AMB399	Capstone Experience
Select a E	Business Core Option Unit
Unit from	other degree component
Unit from	other degree component
Business	Core Options List
Select two	o of the following Business
Core Opt	
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills
BSB305	Undergraduate Business Internship
BSB130	Social Enterprises
BSB131	Applied Business Analytics
	Business Law and
BSB151	
DODIDI	Governance





Bachelor of Business/Bachelor of Mathematics

The below course progression is for midvear (July) comme

year (July) commencement.		
Year 1 Se	emester 1 (July)	
BSB105	The Future Enterprise	
BSB108	Business Environment	
Unit from	other degree component	
Unit from	other degree component	
Year 1 Se	emester 2 (February)	
BSB106	Dynamic Markets	
AMB163	Introduction to Public Relations	
Unit from	other degree component	
Unit from	other degree component	
Year 2 Se	emester 1 (July)	
BSB107	Financial Performance and Responsibility	
AMB164	Media Relations and Publicity	
Unit from	other degree component	
Unit from	other degree component	
Year 2 Se	emester 2 (February)	
AMB299	Marketing Communication	
AMB201	Marketing and Audience Analytics	
Unit from	other degree component	
Unit from	other degree component	
Year 3 Se	emester 1 (July)	
BSB250	Business Citizenship	
Select a E	Business Core Option Unit	
Unit from	other degree component	
Unit from	other degree component	
Year 3 Se	emester 2 (February)	
AMB374	Global Public Relations Cases	
AMB373	Issues, Stakeholders and Reputation	
Unit from	other degree component	
Unit from	other degree component	
	emester 1 (July)	
BSB399	Real World Ready - Business Capstone	
AMB375	Internal Communication and Change	
Unit from	other degree component	
Unit from	other degree component	
Year 4 Se	emester 2 (February)	
AMB399	Capstone Experience	
Select a B	Business Core Option Unit	
Unit from	other degree component	

Unit from other degree component

Semesters

- Applied and Computational Mathematics Major unit set:
- Year 1 Semester 1
- Year 1 Semester 2
- •
- Year 2 Semester 1 Year 2 Semester 2 ٠ •
- Year 3 Semester 1

Code	Title	
Applied and Computational Mathematics Major unit set:		
Year 1 Se	emester 1	
MXB102	Abstract Mathematical Reasoning	
MXB106	Linear Algebra	
Year 1 Se	emester 2	
MXB105	Calculus and Differential Equations	
MXB161	Computational Explorations	
Year 2 Se	emester 1	
MXB101	Probability and Stochastic Modelling 1	
Maths Co	ore Options Unit	
Year 2 Se	emester 2	
MXB103	Introductory Computational Mathematics	
MXB107	Introduction to Statistical Modelling	
Year 3 Se	emester 1	
MXB201	Advanced Linear Algebra	
MXB225	Modelling with Differential Equations 1	
Year 3 Se	emester 2	
MXB202	Advanced Calculus	
MXB226	Computational Methods 1	
Year 4 Se	emester 1	
MXB322	Partial Differential Equations	
MXB326	Computational Methods 2	
Year 4 Se	emester 2	
MXB325	Modelling with Differential Equations 2	
MXB328	Work Integrated Learning in Applied and Computational Mathematics	
•		

Year 3 Semester 2

 Year 4 Semester 1 Year 4 Semester 2

Semesters

- Operations Research Major unit set:
- Year 1 Semester 1
- Year 1 Semester 2
 Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1 ٠
- Year 3 Semester 2 Year 4 Semester 1 •
- Year 4 Semester 2

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Code	The	
Operations Research Major unit set:		
Year 1 Semester 1		
MXB102	Abstract Mathematical Reasoning	
MXB106	Linear Algebra	
Year 1 Semester 2		
MXB105	Calculus and Differential	

	Equations	
MXB161	Computational Explorations	
Year 2 Semester 1		
MXB101	Probability and Stochastic Modelling 1	
Maths Co	ore Options Unit	
Year 2 Se	emester 2	
MXB103	Introductory Computational Mathematics	
MXB107	Introduction to Statistical Modelling	
Year 3 Se	emester 1	
MXB201	Advanced Linear Algebra	
MXB232	Introduction to Operations Research	
Year 3 Semester 2		
MXB202	Advanced Calculus	
MXB241	Probability and Stochastic Modelling 2	
Year 4 Se	emester 1	
MXB332	Optimisation Modelling	
MXB341	Statistical Inference	
Year 4 Semester 2		
MXB334	Operations Research for Stochastic Processes	
MXB338	Work Integrated Learning in Operations Research	

Semesters

- Statistics Major unit set:
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2

Code	Title	
Statistics Major unit set:		
Year 1 Se	emester 1	
MXB102	Abstract Mathematical Reasoning	
MXB106	Linear Algebra	
Year 1 Se	emester 2	
MXB105	Calculus and Differential Equations	
MXB161	Computational Explorations	
Year 2 Se	emester 1	
MXB101	Probability and Stochastic Modelling 1	
Maths Co	re Options Unit	
Year 2 Se	emester 2	
MXB103	Introductory Computational Mathematics	
MXB107	Introduction to Statistical Modelling	
Year 3 Se	emester 1	

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Bachelor of Business/Bachelor of Mathematics			
MXB201	Advanced Linear Algebra		
MXB242	Regression and Design		
Year 3 Se	Year 3 Semester 2		
MXB202	Advanced Calculus		
MXB241	Probability and Stochastic Modelling 2		
Year 4 Se	emester 1		
MXB341	Statistical Inference		
MXB344	Generalised Linear Models		
Year 4 Semester 2			
MXB343	Modelling Dependent Data		
MXB348	Work Integrated Learning in Statistics		

Bachelor of Creative Industries/Bachelor of Information Technology

Year	2022
QUT code	IX56
CRICOS	059227E
Duration (full-time)	4 years
OP	11
ATAR/Selection rank	76.00
Offer Guarantee	Yes
Campus	Gardens Point, Kelvin Grove
International fee (indicative)	2018: \$29,400 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dean Brough (Creative Industries); Dr Wayne Kelly (Information Technology)
Discipline Coordinator	Dr Wayne Kelly (Computer Science); Dr Erwin Fielt (Information Systems) +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

QUT year 12 early offer scheme

If you're a current Queensland Year 12 student, you may be eligible to receive an offer for this course on 20 November, before receiving your ATAR or selection rank.

Find out more about the QUT Year 12 Early Offer Scheme

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Assumed knowledge

 General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Course Overview

This double degree allows you to complement your technical skills with creative skills through digital media and film production. You will learn to merge the creative and imaginative with the technical to develop sophisticated and innovative digital products. You can choose to complement your skill set through a range of information technology and creative industries areas of interest to diversify your studies, including:

- animation
- art and design history
- creative and professional writing
- dance studies

- digital media
- entertainment industries
- entrepreneurship
- fashion communication
- film, television and screen game design
- interactive and visual design
- journalism, media and communication
- literary studiesmusic
- online environments

Career Outcomes

As a graduate you can enjoy the more creative side of information technology careers including digital media programmer, simulation designer or developer, games producer or designer, sound designer, mobile entertainment and communications developer, user interface developer, knowledge worker in music and sound, web developer and digital product strategist.

Professional Recognition

This course is accredited by the Australian Computer Society (ACS). ACS accreditation is internationally recognised by the Seoul Accord.

Course Design

You will undertake the Bachelor of Creative Industries core units as well as one creative industries major. Your information technology degree component comprises eight core units, four breadth units, and four units in your information technology specialisation.

Study Areas

The Bachelor of Information Technology has majors in Information Systems and Computer Science which will be shown on the a graduate's parchment.

Pathways to Further Studies

On successful completion of this course, you will be eligible to apply for entry into the Bachelor of Creative Industries (Honours), provided you have met entry requirements.

The QUT Bachelor of Information Technology is located at Level 7 of the Australian Qualifications Framework (AQF). Eligible graduates may continue their studies in this discipline with an additional honours year in (IN10) Bachelor of Information Technology (Honours).

Work Integrated Learning

The Faculty's Work Integrated Learning Minor gives you the opportunity of



Bachelor of Creative Industries/Bachelor of Information Technology

industry placement during your course where you can integrate real experience with what you're learning in your degree. Companies that QUT's students have worked with include Energex, Boeing, CITEC, CSC Mining, Environmental Protection Agency, Dialog, UNITAB, RACQ and many Queensland Government departments.

Unit

Incompatibility/Translation Information

Details on the translation and incompatibility of old and new units is located here:

Undergraduate Translation Table If you have completed the unit(s) listed under the "Translation Unit Codes" column, you are not permitted to enrol in the listed new code.

Domestic Course structure

You will undertake the Bachelor of Creative Industries core units (96 credit points) as well as 96 credit points from a creative industries major.

The Bachelor of Information Technology degree comprises of:

- 72 credit points (6 units) of information technology core units, which includes 24 credit points (2 units) of option units* selected from an approved list
- 120 credit points (10 units) of major core units (Information Systems or Computer Science).

Study overseas

<u>Study overseas</u> while earning credit towards your QUT degree with one of our worldwide exchange partners.

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

International Course structure

You will undertake the Bachelor of Creative Industries 96cp core units as well as 96cp from a creative industries major.

The Bachelor of Information Technology degree comprises of ;

- 72 credit points (6 units) of Information Technology Core units, which includes 24 credit points (2 units) of Option Units* selected from an approved list.
- 120 credit points (10 units) of Major Core units (Information Systems or Computer Science).

Study overseas

<u>Study overseas</u> while earning credit towards your QUT degree with one of our worldwide exchange partners.

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

Sample Structure

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2

Code Title

Year 1, Semester 1

IT Core Unit

IT Core Unit

KKB101 Creative Industries: People and Practices

Creative Industries Major: First Unit

Year 1, Semester 2

IT Core Unit

- IT Core Unit
- KKB102 Creative Industries: Making Connections
- Creative Industries Major: Second Unit

Note: Students considering studying overseas in Year 2 Semester 2 must apply by 1 November.

Year 2, Semester 1

- IT Core Unit Option
- IT Core Unit Option

A unit from the Level 1 Unit Options (either DXB102 or KPB101 or KVB104):

- DXB102 Visual Communication
- KPB101 Introduction to Screen Production
- KVB104 Photo Media and Art Practice
- Creative Industries Major: Third Unit

Note: For students intending to complete KYB201 Socially Engaged Arts Practice as the 'Level 2 Unit Option' - you should enrol in KYB201 in Year 2 Semester 1 instead of your Creative Industries Major: Third Unit. You will undertake your Creative Industries Major: Third Unit in Year 2 Semester 2.

Year 2, Semester 2

IT Major Unit

IT Major Unit

A unit from the Level 2 Unit Options (either KKB285 or KYB201):

 KKB285
 Creative Enterprise Studio 2

 KYB201
 Socially Engaged Arts Practice

Creative Industries Major: Fourth Unit

Note: KXB202 Project Management for Entertainment and KTB211 Creative Industries Events and Festivals are permitted to count as a 'Level 2 Unit Option'.

Note: For students intending to complete KYB201 Socially Engaged Arts Practice as the 'Level 2 Unit Option' - you should enrol in KYB201 in Year 2 Semester 1 instead of your Creative Industries Major: Third Unit. You will undertake your Creative Industries Major: Third Unit in Year 2 Semester 2.

Year 3, Semester 1

IT Major Unit

IT Major Unit

Creative Industries Major: Fifth Unit

A unit from the Creative Industries University Wide or Work Integrated Learning Unit Options lists

Year 3, Semester 2

IT Major Unit

IT Major Unit

Creative Industries Major: Sixth Unit

A unit from the Creative Industries University Wide or Work Integrated Learning Unit Options lists

Year 4, Semester 1

IT Major Unit

IT Major Unit

Creative Industries Major: Seventh Unit

A unit from the Creative Industries Work Integrated Learning Unit Options

Year 4, Semester 2

IT Major Unit

IT Major Unit

Creative Industries Major: Eighth Unit

A unit from the Creative Industries Work Integrated Learning Unit Options



N	0000
Year	2022
QUT code	IX80
CRICOS	083029M
Duration (full-time)	5.5 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2022: CSP \$10,400 per year full-time (96 credit points)
International fee (indicative)	2022: \$34,200 per year full-time (96 credit points)
Total credit points	528
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Graham Johnson (Science); email: askqut@qut.edu.au; Law: Director of Undergraduate Programs; email: law_enquiries@qut.edu.a u; +61 7 3138 2000;
Discipline Coordinator	Aspro Matthew Phillips (Biological Science); Aspro Tim Dargaville (Chemistry); Dr Luke Nothdurft (Earth Science); Professor Jennifer Firn (Environmental Science); and Dr Konstantin Momot (Physics); Law: Director of Undergraduate Programs Science: +61 7 3138 2000; Law: +61 7 3138 2707 Science: askqut@qut.edu.au; Law: law_enquiries@qut.edu.a u

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Assumed knowledge

 Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Course Structure Information

Students are required to complete 528 credit points, comprised of 192 credit points for the Bachelor of Science program and 336 credit points for the Bachelor of Laws program. You will study science and law units in your first four years and for the remainder of this course you will concentrate on law studies.

Under the Science component students will complete 16 units in total. Students will choose any of the following science majors that are offered in the Bachelor of Science (ST01) course: biology, chemistry, earth science, environmental science and physics.

Under the Law component students will complete 336 credit points of core units and a mixture of Introductory, General and Advanced Electives. Students may select up to 48 credit points of non-law electives or 48 credit points of a University-wide minor in place of four of the General Electives. Successful completion of a minor will be recognised on the Academic Record and / or the Australian Higher Education Graduation Statement.

Total Law credit points: 336

Total credit points for core units: 240 Total credit points for elective units: 96 Honours Level Units

96 credit points of Honours units listed below will be used to determine the Honours Levels of the LLB (Hons): LLH201 Legal Research, LLH206 Administrative Law, LLH302 Ethics and the Legal Profession,

LLH305 Corporate Law,

LLH401 Legal Research Capstone (24 cps) and

two Advanced Electives in law.

Professional Recognition

The QUT LLB (Hons) is an approved degree for the purposes of the Legal Practitioners Admission Rules. Accordingly, it enables graduates to satisfy the academic requirements for admission to practise as a solicitor and/or barrister in all Australian states and territories.

Graduates will satisfy the requirements for membership in the relevant professional body for their science major.

Admission to practice

If, at the end of your degree, you wish to become a legal practitioner, you will need to complete further practical legal training (PLT). QUT also offers PLT in the form of the Graduate Diploma in Legal Practice.

Career Outcomes

As a graduate, you may enter legal practice with an education in both the content and process of science and data analysis that will enable you to deal with the complexities of litigation that have a scientific and technological dimension, such as inventions, trade secrets, quantitative evidence, and constitutional disputes giving rise to environmental issues. On the other hand, you may choose to follow a career path in the sciences, enhancing your opportunities in a particular discipline such as environmental science or biotechnology through your knowledge of the law.

You will graduate with specialised knowledge of cutting-edge technologies and extensive practical experience using the latest techniques. You have a broad range of options to choose from and the flexibility to create your own personal science degree program.

In developing the LLB (Hons) the Faculty recognises that graduates are increasingly seeking a broad range of careers including, but not limited to, legal



practice. The defining nature of the QUT LLB (Hons) is its real-world applied nature which will equip you with advanced knowledge and research and other skills and that meet the needs of not only the legal profession, but also government, community organisations, business and industry.

The LLB (Hons) provides students with an opportunity to advance their knowledge of law in specialised areas through the elective units offered as part of the course. The elective units allow you to study areas of the law that match your career aspirations.

Career opportunities include working in general legal practice, specialist legal practice, government departments and employment in private enterprise.

Non-standard attendance

Field work is a requirement in some areas of science.

Deferment

Domestic students can defer their offer in this course for one year. In exceptional circumstances up to 12 months of additional deferment may be granted.

Find out more at deferment

Domestic Course structure

Students are required to complete 528 credit points, comprised of 192 credit points for the Bachelor of Science program and 336 credit points for the Bachelor of Laws program. You will study science and law units in your first four years and for the remainder of this course you will concentrate on law studies.

Under the Science component students will complete 16 units in total. Students will choose any of the following science majors that are offered in the Bachelor of Science (ST01) course: biology, chemistry, earth science, environmental science and physics.

Under the Law component you will complete 336 credit points of core units and a mixture of law electives made up of

- 19 Core units (240 credit points) • 1 introductory law elective* (12
- credit points)
- 5 general law electives** (60 credit points)
- 2 advanced law electives (24 credit points)

*Students commencing from 2019 may select a general law elective in place of the introductory law elective

**Students commencing from 2019 have the option to complete the Law,

Technology and Innovation minor or 4 non-law electives (48 credit points) or a university wide minor in place of 4 general law electives (48 credit points). Successful completion of a minor will be recognised on the academic record and/or the Australian Higher Education Graduation Statement.

Law, technology and innovation minor units

- Law and Data Analysis (LLB250)
- Law and Design Thinking (LLB251)
- Regulating Artificial Intelligence and Robotics (LLB341)
- Regulating the Internet (LLB345)

Honours-level units

96 credit points of the following honours units will be used to determine the honours levels of the LLB (Hons):

- Legal Research (LLH201)
- Administrative Law (LLH206)
- Ethics and the Legal Profession (LLH302)
- Corporate Law (LLH305)
- Legal Research Capstone (LLH401) (24 credit points
- two 12-credit point Advanced Law Electives

International Course

structure

Students are required to complete 528 credit points, comprised of 192 credit points for the Bachelor of Science program and 336 credit points for the Bachelor of Laws program. You will study science and law units in your first four years and for the remainder of this course you will concentrate on law studies.

Under the Science component students will complete 16 units in total. Students will choose any of the following science majors that are offered in the Bachelor of Science.(ST01) course: biology, chemistry, earth science, environmental science and physics.

Under the Law component you will complete 336 credit points of core units and a mixture of law electives made up of

- 19 Core units (240 credit points) • 1 introductory law elective* (12
- credit points)
- 5 general law electives** (60 credit points)
- 2 advanced law electives (24 credit points)

*Students commencing from 2019 may select a general law elective in place of the introductory law elective

**Students commencing from 2019 have the option to complete the Law, Technology and Innovation minor or 4

non-law electives (48 credit points) or a university wide minor in place of 4 general law electives (48 credit points). Successful completion of a minor will be recognised on the academic record and/or the Australian Higher Education Graduation Statement.

Law, technology and innovation minor units

- Law and Data Analysis (LLB250)
- Law and Design Thinking (LLB251)
 - Regulating Artificial Intelligence and Robotics (LLB341)
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Honours-level units

96 credit points of the following honours units will be used to determine the honours levels of the LLB (Hons):

- Legal Research (LLH201)
- Administrative Law (LLH206)
- Ethics and the Legal Profession (LLH302)
- Corporate Law (LLH305)
- Legal Research Capstone (LLH401) (24 credit points
- two 12-credit point Advanced Law Electives

Sample Structure

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You can check this by referring to the unit outlines on QUT Virtual.

Semesters

- Year 1 Semester 1
- Year 1 Semester 2
 Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- . Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1
- Year 5 Semester 2 •
- Year 6 Semester 1 ٠
- Law Elective Information*

Code	Title	
Year 1 Semester 1		
LLB101	Introduction to Law	
LLB102	Torts	
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
Year 1 Semester 2		
LLB106	Criminal Law	
LLB107	Statutory Interpretation	
Science Core Unit Option		
Science Major Option Unit (for Biology, Earth Science, Environmental Science) or MXB100 (Chemistry and Physics)		
From 2019, LLB107 Statutory		



Interpretation replaces LLB105 Legal Problems and Communication

Problems and Communication			
Year 2 Se	emester 1		
LLB103	Dispute Resolution		
LLB104	Contemporary Law and Justice		
SEB104	Grand Challenges in Science		
SEB113	Quantitative Methods in Science		
Year 2 Se	emester 2		
LLH201	Legal Research		
Introductor Law elect	ory Law Elective unit or General ive unit		
Science I	Major Unit		
Science N	Major Unit		
Year 3 Se	emester 1		
LLB202	Contract Law		
LLB203	Constitutional Law		
Science I	Major Unit		
Science I	Major Unit		
Year 3 Se	emester 2		
LLB204	Commercial and Personal Property Law		
LLB205	Equity and Trusts		
Science I	Major Unit		
Science I	Major Unit		
Year 4 Se	emester 1		
LLB301	Real Property Law		
General L	aw Elective unit*		
Science I	Major Unit		
Science I	Major Unit		
Year 4 Se	emester 2		
LLB303	Evidence		
LLH206	Administrative Law		
Science I	Major Unit		
	/lajor Unit		
Year 5 Se	emester 1		
LLH302	Ethics and the Legal Profession		
LLB304	Commercial Remedies		
	aw Elective or Non-law Minor Unit*		
	aw Elective or Non-law or Minor Unit*		
Year 5 Se	emester 2		
LLB306	Civil Procedure		
LLH305	Corporate Law		
	aw Elective or Non-law or Minor Unit*		
	aw Elective or Non-law Minor Unit*		
Year 6 Se	emester 1		
LLH401	Legal Research Capstone		
Advanced	Law Elective unit		
Advanced	d Law Elective unit		

Law students may complete up to 4 nonlaw electives or a university wide minor in place of 4 of general law electives.

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From 2019 students may select the Law Innovation and Technology Minor in place of 4 general law electives provided they have enough units to do so

Semesters

- Year 1, Semester 2 Year 2, Semester 1
 Year 2, Semester 2 • Year 3, Semester 1 Year 3, Semester 2
- Year 4, Semester 1 Year 4, Semester 2
- .
- Year 5, Semester 1
- Year 5, Semester 2
- Year 6, Semester 1
- Year 6, Semester 2
- *Law Elective Information

Code	Title		
Year 1, Semester 2			
LLB101	Introduction to Law		
LLB102	Torts		
SEB104	Grand Challenges in Science		
SEB113	Quantitative Methods in Science		
Year 2, S	emester 1		
LLB103	Dispute Resolution		
LLB104	Contemporary Law and Justice		
SEB115	Experimental Science 1		
SEB116	Experimental Science 2		
Year 2, S	emester 2		
LLB106	Criminal Law		
LLB107	Statutory Interpretation		
From 2019, LLB107 Statutory Interpretation replaces LLB105 Legal Problems and Communication			
Science Major Unit			
	Major Unit		
Year 3, Semester 1			
LLB202	Contract Law		
LLH201	Legal Research		
Science Major Unit			
Science Major Unit			
Year 3, Semester 2			
LLB204	Commercial and Personal Property Law		
Introductory Law Elective unit or General Law Elective			
Science Major Unit			
Science Major Unit			
Year 4, Semester 1			
LLB203 Constitutional Law			
General Law Elective unit			

	Science Major Unit	
ו-	Science Major Unit	
	Year 4, Semester 2	
	LLB205 Equity and Trusts	
۷,	LLH206 Administrative Law	
d	Science Major Unit	
	Science Major Unit	
	Year 5, Semester 1	
	LLB301 Real Property Law	
	General Law Elective or Non-law Elective or Minor Unit*	
	Science Major Unit	
	Science Major Unit (Capstone)	
	Year 5, Semester 2	
	LLB303 Evidence	
	LLB306 Civil Procedure	
	LLH305 Corporate Law	
	General Law Elective or Non-law Elective or Minor Unit*	
	Year 6, Semester 1	
	LLB304 Commercial Remedies	
	LLH302 Ethics and the Legal Profession	
•	General Law Elective or Non-law Elective or Minor Unit*	
	General Law Elective or Non-law Elective or Minor Unit*	
	Year 6, Semester 2	
	LLH401 Legal Research Capstone	
_	Advanced Law Elective unit	
_	Advanced Law Elective unit	
	*Law Elective Information	
	Law students may complete up to 4 non- law electives or a university wide minor in place of 4 general law electives	
	From 2019 students may select the Law, Innovation and Technology Minor in place of 4 general law electives provided	
	they have enough units to do so	
	Semesters	
	 Year 1 Semester 1 Year 1 Semester 2 	
_	Year 2 Semester 1	
_	Year 2 Semester 2	
	 Year 3 Semester 1 Year 3 Semester 2 	
	Year 4 Semester 1 Year 4 Semester 2	

Code	Title	
Year 1 Semester 1		
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
Year 1 Semester 2		
Science Core Unit Option		
Science Major Unit Option		
Year 2 Semester 1		



Year 5 Semester 1

Datition		
SEB104	Grand Challenges in Science	
SEB113	Quantitative Methods in Science	
Year 2 Se	emester 2	
BVB101	Foundations of Biology	
BVB102	Evolution	
Year 3 Se	emester 1	
BVB202	Experimental Design and Quantitative Methods	
BVB301	Animal Biology	
Year 3 Semester 2		
BVB201	Biological Processes	
BVB204	Ecology	
Year 4 Se	emester 1	
BVB203	Plant Biology	
BVB305	Microbiology and the Environment	
Year 4 Semester 2		
BVB304	Integrative Biology	
BVB313	Population Genetics and Molecular Ecology	

Semesters

- Year 1 Semester 2
- Year 2 Semester 1
 Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2 ٠
- Year 4 Semester 1 Year 4 Semester 2 .
- Year 5 Semester 1

Code Title Year 1 Semester 2 Grand Challenges in Science SEB104 Quantitative Methods in **SEB113** Science Year 2 Semester 1 SEB115 Experimental Science 1 SEB116 Experimental Science 2 Year 2 Semester 2 BVB101 Foundations of Biology **BVB102** Evolution Year 3 Semester 1 BVB301 Animal Biology Experimental Design and **BVB202** Quantitative Methods Year 3 Semester 2 **BVB201** Biological Processes BVB204 Ecology Year 4 Semester 1 BVB203 Plant Biology Microbiology and the **BVB305** Environment Year 4 Semester 2 Population Genetics and **BVB313** Molecular Ecology BVB304 Integrative Biology

Science (Core Option	
Major Option		
Semeste	ers	
	r 1 Semester 1	
	<u>r 1 Semester 2</u> r 2 Semester 1	
• <u>Yea</u>	r 2 Semester 2	
	<u>r 3 Semester 1</u> r 3 Semester 2	
• <u>Yea</u>	<u>r 3 Semester 2</u> r 4 Semester 1	
• <u>Yea</u>	r 4 Semester 2	
Code	Title	
Year 1 Se	emester 1	
SEB104	Grand Challenges in Science	
SEB113	Quantitative Methods in	
	Science	
Year 1 Se	emester 2	
MXB100	Introductory Calculus and Algebra	
Science (Core Unit Option	
Year 2 Se		
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
-	emester 2	
CVB101	General Chemistry	
0)/D400	Chemical Structure and	
CVB102	Reactivity	
Year 3 Se	emester 1	
CVB201	Inorganic Chemistry	
CVB202	Analytical Chemistry	
	emester 2	
CVB203	Physical Chemistry	
CVB204	Organic Structure and Mechanisms	
Year 4 Se		
	Organic Chemistry: Strategies	
CVB301	for Synthesis	
CVB302	Applied Physical Chemistry	
Year 4 Se	emester 2	
CVB303	Coordination Chemistry	
CVB304	Chemistry Research Project	
Compati		
• Yea	e rs r 1 Semester 1	
 Year 1 Semester 2 		
Year 2 Semester 1 Year 2 Semester 2		
 Year 3 Semester 1 		
Year 3 Semester 2		
 Year 4 Semester 1 Year 4 Semester 2 		
Code		
Year 1 Se	emester 1 Grand Challenges in Science	
	CHANG CHAIRDORS IN SCIENCE	

SEB104 Grand Challenges in Science

SEB113	Quantitative Methods in Science
Year 1 Se	emester 2
Science C	Core Unit Option
Science M	lajor Unit Option
Year 2 Se	emester 1
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2 Se	emester 2
ERB101	Earth Systems
ERB102	Evolving Earth
Year 3 Se	emester 1
ERB201	Destructive Earth: Natural Hazards
ERB202	Marine and Atmospheric Systems
Year 3 Se	emester 2
ERB203	Sedimentary Geology and Stratigraphy
ERB204	Deforming Earth: Fundamentals of Structural Geology
Year 4 Se	emester 1
ERB301	Chemical Earth
ERB302	Applied Geophysics
LINDSUZ	
Year 4 Se	emester 2
	emester 2 Energy Resources and Basin Analysis

- Year 2 Semester 1
- Year 2 Semester 2 Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2

gies		Code	Title
		Year 1 Se	emester 1
y		SEB104	Grand Challenges in Science
		SEB113	Quantitative Methods in Science
ct		Year 1 Se	emester 2
		Science 0	Core Unit Option
		Science N	Major Unit Option
		Year 2 Se	emester 1
		SEB115	Experimental Science 1
		SEB116	Experimental Science 2
		Year 2 Se	emester 2
		ERB101	Earth Systems
	ſ	EVB102	Ecosystems and the Environment
		Year 3 Se	emester 1
ce		BVB202	Experimental Design and
			niversity eal world

https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?courseCode=IX80&id=38911. CRICOS No.00213J

	Quantitative Methods	
EVB203	Geospatial Information Science	
Year 3 Semester 2		
BVB204	Ecology	
EVB302	Environmental Pollution	
Year 4 Semester 1		
BVB311	Conservation Biology	
EVB312	Soils and the Environment	
Year 4 Semester 2		
ERB310	Groundwater Systems	
EVB304	Case Studies in Environmental Science	

Semesters

- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2

Code	Title	
Year 1 Semester 1		
SEB104	Grand Challenges in Science	
SEB113	Quantitative Methods in Science	
Year 1 Se	emester 2	
MXB100	Introductory Calculus and Algebra	
Science (Core Unit Option	
Year 2 Se	emester 1	
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
Year 2 Se	emester 2	
PVB101	Physics of the Very Large	
PVB102	Physics of the Very Small	
Year 3 Se	emester 1	
PVB202	Mathematical Methods in Physics	
PVB203	Experimental Physics	
Year 3 Se	emester 2	
PVB200	Computational and Mathematical Physics	
PVB204	Electromagnetism	
Year 4 Se	emester 1	
PVB301	Materials and Thermal Physics	
PVB302	Classical and Quantum Physics	
Year 4 Se	emester 2	
PVB303	Nuclear and Particle Physics	
PVB304	Physics Research	

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You can check this by referring to the unit outlines on <u>QUT Virtual</u>.

Introductory Law Electives		
Code	Title	
LLB140	Human Rights Law	
LLB141	Introduction to International Law	
LLB142	Regulation of Business	

Please note that some law options (electives) maybe offered in alternate years and/or are subject to student enrolments. Please refer QUT Real Law (LAW_Real_Law) Blackboard site under My Community on your blackboard homepage for unit offerings to determine which units will be available.

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You can check this by referring to the unit outlines on <u>QUT Virtual</u>.

General	Law Electives List	
Code	Title	
LLB241	Discrimination and Equal Opportunity Law	
LLB242	Media Law	
LLB243	Family Law	
LLB244	Criminal Law Sentencing	
LLB245	Sports Law	
LLB247	Animal Law	
LLB248	COVID-19 and the Law	
LLB250	Law, Privacy and Data Ethics	
LLB251	Law and Design Thinking	
LLB340	Banking and Finance Law	
LLB341	Artificial Intelligence, Robots and the Law	
LLB342	Immigration and Refugee Law	
LLB344	Intellectual Property Law	
LLB345	Regulating the Internet	
LLB346	Succession Law	
LLB347	Taxation Law	
LLB349	Japanese Law	
LLB350	The Law and Ethics of War	
LLB440	Environmental Law	
LLB443	Mining and Resources Law	
LLB444	Real Estate Transactions	
LLB447	International Arbitration	
LLB460	Competition Moots A	
LLB461	Competition Moots B	
LLB463	Community Justice Project	
LLB464	International Legal Placement	
LLB464 was previously titled Legal		

Clinic (International)

LLB465 Startup Law Clinic

Please note that some law elective units maybe offered in alternate years and/or are subject to student enrolments. Please refer QUT Real Law (LAW_Real_Law) Blackboard site under My Community on your blackboard homepage for unit offerings to determine which units will be available.

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You can check this by referring to the unit outlines on <u>QUT Virtual</u>.

Advanced Law Electives			
Code	Title		
Select 24 Electives	Select 24 credit points of Advanced Law Electives		
LLH470	Commercial Contracts in Practice		
LLH471	Health Law and Practice		
LLH472	Public International Law		
LLH473	Independent Research Project		
LLH474	Insolvency Law		
LLH475	Theories of Law		
LLH476	Competition Law		
LLH477	Innovation and Intellectual Property Law		
LLH478	Advanced Criminal Law - Principles and Practice		
LLH479	Research Thesis Extension		
LLH480	Consumer Law in a Digital Age		
LLH481	Private International Law		

You can complement your core law units with a minor in law, technology and innovation. Learn the skills needed to communicate and collaborate with technologists, innovators, regulators, engineers, designers and policy makers. Apply big data analytics and come up with creative solutions to address pressing social problems, and learn from experts at the forefront of artificial intelligence and technology regulation.

Law, Technology and Innovation Minor		
Code	Title	
LLB250	Law, Privacy and Data Ethics	
LLB251	Law and Design Thinking	
LLB252	Legal Coding	
LLB341	Artificial Intelligence, Robots and the Law	
LLB345	Regulating the Internet	



Year	2022
QUT code	IX87
CRICOS	083025D
Duration (full-time)	5.5 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2022: CSP \$11,800 per year full-time (96 credit points)
International fee (indicative)	2022: \$33,000 per year full-time (96 credit points)
Total credit points	528
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Discipline Coordinator	For more information email: askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Assumed knowledge

• General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Course structure information

Students are required to complete 528 credit points, comprised of 192 credit points for the Bachelor of Information Technology program and 336 credit points for the Bachelor of Laws program.

Requirements for the completion of the Bachelor of Information Technology component are as follows:

(a) 72 credit points (6 units) of IT Core units, which includes 24 credit points (2 units) of Option Units selected from an approved list.

(b) 120 credit points (10 units) of Major Core units

Information Technology Majors Choose your primary area of study, also known as your major, in the following specialisation areas: Information Systems or Computer Science.

Information Technology Options List The Bachelor of Information Technology Core Unit Options List comprises a range of units from which you choose to undertake two (2). The options include introductory units from a wide variety of disciplines offered at QUT.

Under the Law component students will complete 336 credit points of core units and a mixture of Introductory, General and Advanced Electives. Students may select up to 48 credit points of non-law electives or 48 credit points of a University-wide minor in place of four of the General Electives. Successful completion of a minor will be recognised on the Academic Record and / or the Australian Higher Education Graduation Statement.

Total Law credit points: 336 Total credit points for core units: 240 Total credit points for elective units: 96

Honours Level Units 96 credit points of Honours units listed below will be used to determine the Honours Levels of the LLB (Hons): LLH201 Legal Research, LLH206 Administrative Law, LLH302 Ethics and the Legal Profession, LLH305 Corporate Law, LLH401 Legal Research Capstone (24 cps) and two Advanced Electives in law.

Professional Recognition

This course is accredited by the Australian Computer Society (ACS). ACS accreditation is internationally recognised by the Seoul Accord.

The QUT LLB (Hons) is an approved degree for the purposes of the Legal Practitioners Admission Rules. Accordingly, it enables graduates to satisfy the academic requirements for admission to practise as a solicitor and/or barrister in all Australian states and territories.

Admission to practice

If, at the end of your degree, you wish to become a legal practitioner, you will need to complete further practical legal training (PLT). QUT also offers PLT in the form of the Graduate Diploma in Legal Practice.

Career Outcomes

Graduates may develop careers in cyberlaw, intellectual property and privacy, dealing with the legal regulation of the Internet including downloading music, mobile phone camera use or copyright issues. You may become a legal practitioner, barrister, in-house counsel, government lawyer or policy adviser. There is also increased demand for roles in edemocracy both in



Bachelor of Information Technology/Bachelor of Laws (Honours)

egovernment service delivery and political campaigning.

In developing the LLB (Hons) the Faculty recognises that graduates are increasingly seeking a broad range of careers including, but not limited to, legal practice. The defining nature of the QUT LLB (Hons) is its real-world applied nature which will equip you with advanced knowledge and research and other skills and that meet the needs of not only the legal profession, but also government, community organisations, business and industry.

The LLB (Hons) provides students with an opportunity to advance their knowledge of law in specialised areas through the elective units offered as part of the course. The elective units allow you to study areas of the law that match your career aspirations.

Career opportunities include working in general legal practice, specialist legal practice, government departments and employment in private enterprise.

Pathways to Further Studies

The QUT Bachelor of Information Technology is located at Level 7 of the Australian Qualifications Framework (AQF). Eligible graduates may continue their studies in this discipline with an additional honours year in (IN10) Bachelor of Information Technology (Honours).

On successful completion of the Bachelor of Laws, there are a number of further study options open to you. The Bachelor of Laws meets the entry requirements for Practical Legal Training courses (for example, the QUT Graduate Diploma in Legal Practice). In addition, successful completion of the law degree will allow you to pursue postgraduate opportunities through research- and coursework-based higher degrees in law.

Deferment

Domestic students can defer their offer in this course for one year. In exceptional circumstances up to 12 months of additional deferment may be granted.

Find out more at deferment

Domestic Course structure

Students are required to complete 528 credit points, comprised of 192 credit points for the Bachelor of Information Technology program and 336 credit points for the Bachelor of Laws program.

Requirements for the completion of the Bachelor of Information Technology

component are as follows:

- 1. 72 credit points (6 units) of IT Core units, which includes 24 credit points (2 units) of Option Units selected from an approved list.
- 2. (b) 120 credit points (10 units) of Major Core units

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Information Technology Options List The Bachelor of Information Technology Core Unit Options List comprises a range of units from which you choose to undertake two (2). The options include introductory units from a wide variety of disciplines offered at QUT.

Under the Law component you will complete 336 credit points of core units and a mixture of law electives made up of

- 19 Core units (240 credit points)
- 1 introductory law elective* (12 credit points)
- 5 general law electives** (60 credit points)
- 2 advanced law electives (24 credit points)

*Students commencing from 2019 may select a general law elective in place of the introductory law elective

**Students commencing from 2019 have the option to complete the Law, Technology and Innovation minor or 4 non-law electives (48 credit points) or a university wide minor in place of 4 general law electives (48 credit points). Successful completion of a minor will be recognised on the academic record and/or the Australian Higher Education Graduation Statement.

Law, technology and innovation minor units

- Law and Data Analysis (LLB250)
- Law and Design Thinking (LLB251)
- Regulating Artificial Intelligence and Robotics (LLB341)
- Regulating the Internet (LLB345)

Honours-level units

96 credit points of the following honours units will be used to determine the honours levels of the LLB (Hons):

- Legal Research (LLH201)
- Administrative Law (LLH206)
- Ethics and the Legal Profession (LLH302)
- Corporate Law (LLH305)
- Legal Research Capstone (LLH401) (24 credit points
- two 12-credit point Advanced Law Electives

International Course structure

Students are required to complete 528 credit points, comprised of 192 credit points for the Bachelor of Information Technology program and 336 credit points for the Bachelor of Laws program.

Requirements for the completion of the Bachelor of Information Technology component are as follows:

 72 credit points (6 units) of IT Core units, which includes 24 credit points (2 units) of Option Units selected from an approved list.
 (b) 120 credit points (10 units) of Major Core units

Information Technology Majors Choose your primary area of study, also known as your major, in the following specialisation areas: Information Systems or Computer Science.

Information Technology Options List The Bachelor of Information Technology Core Unit Options List comprises a range of units from which you choose to undertake two (2). The options include introductory units from a wide variety of disciplines offered at QUT.

Under the Law component you will complete 336 credit points of core units and a mixture of law electives made up of

- 19 Core units (240 credit points)
 1 introductory law elective* (12
- credit points)
 5 general law electives** (60 credit points)
- 2 advanced law electives (24 credit points)

*Students commencing from 2019 may select a general law elective in place of the introductory law elective

**Students commencing from 2019 have the option to complete the Law, Technology and Innovation minor or 4 non-law electives (48 credit points) or a university wide minor in place of 4 general law electives (48 credit points). Successful completion of a minor will be recognised on the academic record and/or the Australian Higher Education Graduation Statement.

Honours-level units

96 credit points of the following honours units will be used to determine the honours levels of the LLB (Hons):

- Legal Research (LLH201)
- Administrative Law (LLH206)
 - Ethics and the Legal Profession (LLH302)
 - Corporate Law (LLH305)
- Legal Research Capstone



Bachelor of Information Technology/Bachelor of Laws (Honours)

(24 credit points

 two 12-credit point Advanced Law Electives

Sample Structure

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You can check this by referring to the unit outlines on QUT Virtual.

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- ٠
- Year 2, Semester 2 Year 3, Semester 1 .
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2 Year 5, Semester 1 •
- ٠
- Year 5, Semester 2
- Year 6, Semester 1
- Law Elective Information

Code Title Year 1, Semester 1 Introduction to Computer IFB102 Systems IFB103 IT Systems Design LLB101 Introduction to Law LLB102 Torts Year 1, Semester 2 IFB104 **Building IT Systems** IFB105 Database Management LLB107 Statutory Interpretation LLB106 Criminal Law From 2019, LLB107 Statutory Interpretation replaces LLB105 Legal **Problems and Communication** Year 2, Semester 1 IT Core Unit Option IT Core Unit Option Note: From 2023 IFB240 will replace IT Core Unit Option. IFB240 will become core unit. LLB103 Dispute Resolution Contomporery Low and

LLB104	Justice

Year 2, Semester 2

IT Major Unit

IT Major Unit

Introductory Law Elective unit of General Law Elective unit

LLH201 Legal Research

Year 3, Semester 1

IT Major Unit	
IT Major Unit	
LLB202	Contract Law
LLB203	Constitutional Law

Veer 2 C	lomostor O	
	emester 2	
IT Major		
IT Major		
LLB204	Commercial and Personal Property Law	
LLB205		
	Equity and Trusts	
	emester 1	
IT Major		
IT Major		
LLB301	Real Property Law	
	_aw Elective unit	
	emester 2	
IT Major		
IT Major	Unit	
	Evidence	
LLH206	Administrative Law	
Year 5, S	emester 1	
LLB304	Commercial Remedies	
LLH302	Ethics and the Legal	
	Profession	
	aw Elective or Non-law	
	or University-wide Minor Unit	
	aw Elective or Non-law	
	or University-wide Minor Unit	
	emester 2	
	Civil Procedure	
	Corporate Law	
	aw Elective or Non-law	
Elective or University-wide Minor Unit General Law Elective or Non-law		
	or University-wide Minor Unit	
	emester 1	
LLH401	Legal Research Capstone	
	d Law Elective unit	
	d Law Elective unit	
	tive Information	
	lents may complete up to 4	
non-law electives or a university wide minor comprised of 4 units in place of		
the equivalent number of general law		
electives.		
•		
Semeste		
<u>Semester 1 (February)</u> <u>commencements</u>		
 Year 1, Semester 1 		
 Year 1, Semester 2 Year 2, Semester 1 		
<u>Year 2, Semester 1</u> <u>Year 2, Semester 2</u>		
 Year 3, Semester 1 		
 Year 3, Semester 2 		
 <u>Year 4, Semester 1</u> <u>Year 4, Semester 2</u> 		
• <u>Serr</u>	nester 2 (July) commencements	
	r 1, Semester 2 r 2, Semester 1	
	<u>r 2, Semester 1</u> r 2, Semester 2	
• Year 3, Semester 1		

- Year 3, Semester 2
- Year 4, Semester 1

Year 4, Semester 2
Year 5, Semester 1

 Yea 	r 5, Semester 1	
Code	Title	
Semeste	r 1 (February) commencements	
	Semester 1	
IFB102	Introduction to Computer Systems	
IFB103	IT Systems Design	
Year 1, S	semester 2	
IFB104	Building IT Systems	
IFB105	Database Management	
Year 2. S	Gemester 1	
	Jnit Option	
	Jnit Option	
	Semester 2	
CAB201	Programming Principles	
CAB202	Microprocessors and Digital Systems	
Year 3 S	Semester 1	
CAB203		
CAB203 CAB302		
	Software Development	
CAB303		
IFB295	IT Project Management	
	Semester 1	
CAB301	Algorithms and Complexity	
IFB398	Capstone Project (Phase 1)	
Year 4, S	Semester 2	
IFB399 Capstone Project (Phase 2)		
Select or	e of:	
CAB401	High Performance and Parallel Computing	
CAB402	Programming Paradigms	
CAB403		
CAB420	Machine Learning	
Semeste	r 2 (July) commencements	
	Semester 2	
IFB102	Introduction to Computer	
IFB103	Systems	
	IT Systems Design semester 1	
IFB104	Building IT Systems	
IFB105	Database Management	
	Semester 2	
CAB201	Programming Principles	
	Jnit Option	
Year 3, S	emester 1	
CAB202	Microprocessors and Digital Systems	
CAB301	Algorithms and Complexity	
Year 3, S	emester 2	
CAB303	Networks	
IFB295	IT Project Management	
Year 4, S	emester 1	
	QUT	
the u	niversity	

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Bachelor of Information Technology/Bachelor of Laws (Honours)

Year 3, Semester 2

Year 4, Semester 1

Management

IAB305

IFB295

Information Systems Lifecycle

IT Project Management

CAB203	Discrete Structures	
CAB302	Software Development	
Year 4, S	emester 2	
IFB398	Capstone Project (Phase 1)	
Select ONE of:		
CAB401	High Performance and Parallel Computing	
CAB403	Systems Programming	
OR IT Core Unit Option		
Year 5, Semester 1		
IFB399	Capstone Project (Phase 2)	
Select ONE of:		
CAB402	Programming Paradigms	
CAB420	Machine Learning	
OR IT Core Unit Option		
(Select IT Core Unit Option here, if not selected previously.)		

Semesters

- Semester 1 (February) commencements Year 1, Semester 1 Year 1, Semester 2 ٠ Year 2, Semester 1 ٠ Year 2, Semester 2 • Year 3, Semester 1 • Year 3, Semester 2 Year 4, Semester 1 • . Year 4, Semester 2 Semester 2 (July) commencement • . Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Year 5, Semester 1

Code	Title	
Semester	1 (February) commencements	
Year 1, S	emester 1	
IFB102	Introduction to Computer Systems	
IFB103	IT Systems Design	
Year 1, S	emester 2	
IFB104	Building IT Systems	
IFB105	Database Management	
Year 2, Semester 1		
IT Core U	Init Option	
IT Core Unit Option		
Year 2, Semester 2		
IAB201	Modelling Techniques for Information Systems	
IAB207	Rapid Web Application Development	
Year 3, S	emester 1	
IAB203	Business Process Modelling	
IAB204	Business Requirements Analysis	

IFB398	Capstone Project (Phase 1)
Select on	e of:
IAB206	Modern Data Management
IAB260	Social Technologies
IAB303	Data Analytics for Business Insight
IAB320	Business Process Improvement
IAB402	Information Systems Consulting
Year 4, S	emester 2
IAB401	Enterprise Architecture
IFB399	Capstone Project (Phase 2)
Semester	r 2 (July) commencements
	emester 2
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
	emester 1
IFB104	Building IT Systems
IFB105	Database Management
	-
rear 2, 5	emester 2 Medelling Techniques for
IAB201	Modelling Techniques for Information Systems
	Init Option
Year 3, S	emester 1
IAB204	Business Requirements Analysis
IAB207	Rapid Web Application Development
Year 3, S	emester 2
IAB305	Information Systems Lifecycle Management
IT Core L	Init Option
Year 4, S	emester 1
IAB203	Business Process Modelling
IFB295	IT Project Management
Year 4, S	emester 2
IAB401	Enterprise Architecture
IFB398	Capstone Project (Phase 1)
	emester 1
IFB399	Capstone Project (Phase 2)
Select Of	
IAB206	Modern Data Management
	, and the second
IAB260	Social Technologies
IAB303	Data Analytics for Business Insight
	Business Process
IAB320	Improvement Information Systems

Consulting

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You can check this by referring to the unit outlines on <u>QUT Virtual</u>.

Introductory Law Electives		
Code	Title	
LLB140	Human Rights Law	
LLB141	Introduction to International Law	
LLB142	Regulation of Business	

Please note that some law options (electives) maybe offered in alternate years and/or are subject to student enrolments. Please refer QUT Real Law (LAW_Real_Law) Blackboard site under My Community on your blackboard homepage for unit offerings to determine which units will be available.

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You can check this by referring to the unit outlines on <u>QUT Virtual</u>.

General	General Law Electives List	
Code	Title	
LLB241	Discrimination and Equal Opportunity Law	
LLB242	Media Law	
LLB243	Family Law	
LLB244	Criminal Law Sentencing	
LLB245	Sports Law	
LLB247	Animal Law	
LLB248	COVID-19 and the Law	
LLB250	Law, Privacy and Data Ethics	
LLB251	Law and Design Thinking	
LLB340	Banking and Finance Law	
LLB341	Artificial Intelligence, Robots and the Law	
LLB342	Immigration and Refugee Law	
LLB344	Intellectual Property Law	
LLB345	Regulating the Internet	
LLB346	Succession Law	
LLB347	Taxation Law	
LLB349	Japanese Law	
LLB350	The Law and Ethics of War	
LLB440	Environmental Law	
LLB443	Mining and Resources Law	
LLB444	Real Estate Transactions	
LLB447	International Arbitration	
LLB460	Competition Moots A	
LLB461	Competition Moots B	
LLB463	Community Justice Project	

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LLB464International Legal PlacementLLB464 was previously titled LegalClinic (International)LLB465Startup Law Clinic

Please note that some law elective units maybe offered in alternate years and/or are subject to student enrolments. Please refer QUT Real Law (LAW_Real_Law) Blackboard site under My Community on your blackboard homepage for unit offerings to determine which units will be available.

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You can check this by referring to the unit outlines on QUT Virtual.

Advanced Law Electives		
Code	Title	
Select 24 credit points of Advanced Law Electives		
LLH470	Commercial Contracts in Practice	
LLH471	Health Law and Practice	
LLH472	Public International Law	
LLH473	Independent Research Project	
LLH474	Insolvency Law	
LLH475	Theories of Law	
LLH476	Competition Law	
LLH477	Innovation and Intellectual Property Law	
LLH478	Advanced Criminal Law - Principles and Practice	
LLH479	Research Thesis Extension	
LLH480	Consumer Law in a Digital Age	
LLH481	Private International Law	

You can complement your core law units with a minor in law, technology and innovation. Learn the skills needed to communicate and collaborate with technologists, innovators, regulators, engineers, designers and policy makers. Apply big data analytics and come up with creative solutions to address pressing social problems, and learn from experts at the forefront of artificial intelligence and technology regulation.

Law, Technology and Innovation Minor		
Code	Title	
LLB250	Law, Privacy and Data Ethics	
LLB251	Law and Design Thinking	
LLB252	Legal Coding	
LLB341	Artificial Intelligence, Robots and the Law	
LLB345	Regulating the Internet	



QUT

Year	2022
QUT code	IX93
CRICOS	092651C
Duration (full-time)	4 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2022: CSP \$11,100 per year full-time (96 credit points)
International fee (indicative)	2022: \$33,500 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Director of Studies, QUT Business School; or Associate Professor Ross Brown (Games and Interactive Environment)
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements /p>

Year 12 early offer scheme

If you're a current Queensland Year 12 student, you may be eligible to receive an offer for this course on the last day of Queensland Year 12, before receiving your ATAR or selection rank.

Find out more about the QUT Year 12 Early Offer Scheme

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Assumed knowledge

 General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

Students are required to complete 384 credit points comprised of 192 credit points from the Bachelor of Business program and 192 credit points from the Bachelor of Games and Interactive Environments program.

Business component:

- 8 units (96 credit points) of Business School core units
- 8 units (96 credit points) of Major core units*

* Please note Accounting major students complete 6 business core units (72 credit points) and 10 accounting major units (120 credit points) to allow them to complete professional requirements.

Games and Interactive

Environments component:

- 6 units (72 credit points) of games and interactive environments core units, which includes 2 units (24 credit points) of option units** selected from an approved list.
- 10 units (120 credit points) of Major core units.

** Unit options list - comprises a range of units from which you choose to undertake two (2). The core option choices provide you with space in your course to explore other fields such as within Games and Interactive Environments, Information Technology. The core option choices can be used to complement your Major studies.

International Course structure

Students are required to complete 384 credit points comprised of 192 credit points from the Bachelor of Business program and 192 credit points from the Bachelor of Games and Interactive Environments program.

Business component:

- 8 units (96 credit points) of Business School core units
- 8 units (96 credit points) of Major core units*

* Please note Accounting major students complete 6 business core units (72 credit points) and 10 accounting major units (120 credit points) to allow them to complete professional requirements.

Games and Interactive Environments component:

- 6 units (72 credit points) of games and interactive environments core units, which includes 2 units (24 credit points) of option units** selected from an approved list.
- 10 units (120 credit points) of Major core units.

** Unit options list - comprises a range of units from which you choose to undertake two (2). The core option choices provide you with space in your course to explore other fields such as within Games and Interactive Environments, Information Technology. The core option choices can be used to complement your Major studies.



Sample Structure

Semesters

Code

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
 Year 2, Semester 2
- Year 3, Semester 1 •
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2

Title Year 1, Semester 1

Year 1, Semester 1
Business School Core Unit
Business School Core Unit
BGIE Core Unit
BGIE Core Unit
Year 1, Semester 2
Business School Core Unit
Business School Core Unit
BGIE Core Unit
BGIE Core Unit
Year 2, Semester 1
Business School Core Unit
Business School Core Unit
BGIE Major Unit (Studio)
BGIE Core Unit Option
Year 2, Semester 2
Business School Core Unit
Business School Major Unit
BGIE Major Unit
BGIE Major Unit
Year 3, Semester 1
Business School Major Unit
Business School Major Unit
BGIE Major Unit
BGIE Core Unit Option
Year 3, Semester 2
Business School Major Unit
Business School Major Unit
BGIE Major Unit (Studio)
BGIE Major Unit
Year 4, Semester 1
Business School Major Unit
Business School Major Unit
BGIE Major Unit
BGIE Major Unit (Captstone)
Year 4, Semester 2
Business School Major Unit
Business School Major Unit
BGIE Major Unit (Capstone)
BGIE Major Unit (Studio)
Semesters

Semesters

- Year 1 Semester 1
- Year 1 Semester 2 •
- Year 2 Semester 1

- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2 Year 4 Semester 1 ٠
- Year 4 Semester 2 ٠
- Business Core Option Units

Code Title

Year 1 Se	emester 1
	Financial Performance and
BSB107	Responsibility
BSB108	Business Environment
Unit from	the other degree component
Unit from	the other degree component
Year 1 Se	emester 2
BSB106	Dynamic Markets
Select a E	Business Core Option Unit
Unit from	the other degree component
Unit from	the other degree component
Unit BSB	151 is undertaken as one of the
	ess Core Option Units if
	rofessional recognition upon
graduatio	
Year 2 Se	
AYB106	Accounting Processes and Systems
BSB105	The Future Enterprise
Unit from	the other degree component
Unit from	the other degree component
Year 2 Se	emester 2
AYB201	Financial Accounting and Reporting
AYB202	Management Accounting
Unit from	the other degree component
	the other degree component
Year 3 Se	
AYB203	Taxation
BSB152	Financial Management
Unit from	the other degree component
	the other degree component
	152 is undertaken as one of the
	ess Core Option Units if
	rofessional recognition upon
graduatio	
Year 3 Se	
AYB230	Corporations Law
BSB250	Business Citizenship
	the other degree component
	the other degree component
Year 4 Se	
BSB399	Real World Ready - Business Capstone
AYB340	Company Accounting
Unit from	the other degree component
	the other degree component
Year 4 Se	emester 2
AYB301	Audit and Assurance

AYB339	Accountancy Capstone	
Unit from the other degree component		
Unit from	the other degree component	
Business Core Option Units		
Select on	e Business Core Option Unit:	
BSB305	Undergraduate Business Internship	
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills	
BSB130	Social Enterprises	
BSB131	Applied Business Analytics	

Semesters

- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2 Business Core Option Units

Code	Title		
Year 1 Se	emester 1		
BSB105	The Future Enterprise		
BSB106	Dynamic Markets		
Unit from	the other course component		
Unit from	the other course component		
Year 1 Se	emester 2		
BSB107	Financial Performance and Responsibility		
AMB111	Advertising Works		
Unit from	the other course component		
Unit from	the other course component		
Year 2 Se	emester 1		
BSB108	Business Environment		
AMB200	Understanding how Consumers Think, Feel, and (Mis)Behave		
Unit from	the other course component		
Unit from	the other course component		
Year 2 Se	emester 2		
AMB201	Marketing and Audience Analytics		
AMB223	Create Advertising		
Unit from	the other course component		
Unit from	the other course component		
Year 3 Se	emester 1		
AMB224	Consumers and Media Channels		
Select a l	Business Core Option Unit		
Unit from	Unit from the other course component		
Unit from	the other course component		
Year 3 Se	emester 2		
	Business Citizenship		
Select a l	Business Core Option Unit		



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Unit from the other course component			
Unit from	Unit from the other course component		
Year 4 Se	emester 1		
AMB299	Marketing Communication		
AMB330	Digital Optimisation		
Unit from	the other course component		
Unit from	the other course component		
Year 4 Se	emester 2		
BSB399	Real World Ready - Business Capstone		
AMB399	Capstone Experience		
Unit from	the other course component		
Unit from	the other course component		
Business	Core Option Units		
Select two units from the following core option units:			
BSB151	Business Law and Governance		
BSB152	Financial Management		
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills		
BSB305	Undergraduate Business Internship		
BSB131	Applied Business Analytics		
BSB130	Social Enterprises		

Semesters

- Semester 1 (Feburary) Entry
- Year 1 Semester 1
- Year 1 Semester 2 .
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1 .
- Year 4 Semester 2 ٠
- Economics Option Units .
- **Business Core Option Units** Semester 2 (July) Entry
- Year 1 Semester 1 (July)
- ٠
- Year 1 Semester 2 (February) Year 2 Semester 1 (July) ٠
- Year 2 Semester 2 (February) •
- Year 3 Semester 1 (July)
- Year 3 Semester 2 (February) •
- Year 4 Semester 1 (July)
- Year 4 Semester 2 (February •
- **Economics Option Units**
- . Business Core Option Units

Code Title Semester 1 (Feburary) Entry

This course progression relates to February entry. The course progressoin for July entry is underneath.

Year 1 Semester 1

BSB106	Dynamic Markets
BSB107	Financial Performance and Responsibility
Two units from other degree component	
Two units from other degree component	

Year 1 Se	emester 2	
BSB108	Business Environment	
EFB228	Microeconomics	
Two units	from other degree component	
	from other degree component	
Year 2 Se	÷ .	
BSB105		
EFB229	Macroeconomics	
	from other degree component	
	from other degree component	
Year 2 Se	* :	
EFB222	Introduction to Applied Econometrics	
	Business Core Option or as Option Unit	
Two units	from other degree component	
Two units	from other degree component	
Year 3 Se	emester 1	
BSB250	Business Citizenship	
	Business Core Option or	
Economic	s Option Unit	
	from other degree component	
	from other degree component	
Year 3 Se		
	Business Core Option or	
	s Option Unit	
Economic	Business Core Option or s Option Unit	
	from other degree component	
	from other degree component	
Year 4 Se	emester 1	
BSB399	Real World Ready - Business Capstone	
	Business Core Option or s Option Unit	
Two units	from other degree component	
Two units	from other degree component	
Year 4 Se	emester 2	
EFB338	Contemporary Application of Economic Theory	
Select a Business Core Option or Economics Option Unit		
Two units	from other degree component	
Two units	from other degree component	
Economic	s Option Units	
	48cp) from the Economics Unit	
Options li	sted below:	
EFB210	Fundamentals of Finance	
EFB225	Economics for the Real World	
EFB226	Environmental Economics and Policy	
EFB332	Applied Behavioural Economics	
EFB333	Applied Econometrics	
EFB336	International Economics	

Game Theory and **EFB337** Applications **Development Economics: An EFB341 Immersive Experience** Market Structure and **EFB346** Regulation EFB349 Macroeconomic Policy **Business Core Option Units** Select two (24cp) units from the **Business Core Options Units: Experiential Learning: BSB009** Innovation. Ideas and **Enterprise Skills** Undergraduate Business **BSB305** Internship **BSB131 Applied Business Analytics** BSB130 Social Enterprises Business Law and **BSB151** Governance BSB152 Financial Management Semester 2 (July) Entry This progression relates to mid-year (July) entry. Year 1 Semester 1 (July) Financial Performance and **BSB107** Responsibility BSB106 Dynamic Markets Two units from other degree component Two units from other degree component Year 1 Semester 2 (February) BSB108 Business Environment EFB228 Microeconomics Two units from other degree component Two units from other degree component Year 2 Semester 1 (July) BSB105 The Future Enterprise **EFB229** Macroeconomics Two units from other degree component Two units from other degree component Year 2 Semester 2 (February) Introduction to Applied EFB222 **Econometrics** Select a Business Core Option unit or **Economics Option Unit** Two units from other degree component Two units from other degree component Year 3 Semester 1 (July) BSB250 Business Citizenship Select a Business Core Option unit or **Economics Option Unit** Two units from other degree component Two units from other degree component Year 3 Semester 2 (February) Select a Business Core Option unit or **Economics Option Unit** Select a Business Core Option unit or

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Economics Option Unit		
Two units from other degree component		
Two units	from other degree component	
Year 4 Se	emester 1 (July)	
EFB338	Contemporary Application of Economic Theory	
	Business Core Option unit or cs Option Unit	
Two units	from other degree component	
Two units	from other degree component	
Year 4 Se	emester 2 (February	
BSB399	Real World Ready - Business Capstone	
	Business Core Option unit or os Option Unit	
	from other degree component	
	from other degree component	
Economic	es Option Units	
	48 credit points) from the cs Unit Options List:	
EFB210	Fundamentals of Finance	
EFB225	Economics for the Real World	
EFB226	Environmental Economics and Policy	
EFB332	Applied Behavioural Economics	
EFB333	Applied Econometrics	
EFB336	International Economics	
EFB337	Game Theory and Applications	
EFB341	Development Economics: An Immersive Experience	
EFB346	Market Structure and Regulation	
EFB349	Macroeconomic Policy	
Business	Core Option Units	
	24 credit points) from the	
	Core Options List:	
BSB131	Applied Business Analytics	
BSB130	Social Enterprises	
BSB151	Business Law and Governance	
BSB152	Financial Management	
BSB305	Undergraduate Business Internship	
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills	

Semesters

٠	Year 1 Semester 1
٠	Year 1 Semester 2
٠	Year 2 Semester 1
٠	Year 2 Semester 2
	Value 0. O and a stand

- Year 3 Semester 1
 Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Business Core Option Units list

Code	Title
Year 1 Se	emester 1
BSB106	Dynamic Markets
BSB107	Financial Performance and
	Responsibility from other degree component
	from other degree component
	emester 2
	Business Environment
EFB231	
	from other degree component
	from other degree component
Year 2 Se	
BSB105	
EFB201	Financial Markets
	from other degree component
	from other degree component
Year 2 Se	emester 2
EFB210	Fundamentals of Finance
EFB222	Introduction to Applied
	Econometrics
	from other degree component
	from other degree component
Year 3 Se	
	Business Citizenship
Select a l	Business Core Option unit
Two units	from other degree component
Two units	from other degree component
Year 3 Se	emester 2
EFB335	Investments
EFB343	Corporate Finance
Two units	from other degree component
Two units	from other degree component
Year 4 Se	emester 1
EFB344	Risk Management and Derivatives
EFB360	Finance Capstone
	from other degree component
	from other degree component
	emester 2
	Real World Ready - Business
BSB399	Capstone
Select a l	Business Core Option Unit
	from other degree component
	from other degree component
	Core Option Units list
	o units (24cp) from the
	Core Options Units:
BSB151	Business Law and Governance
BSB152	Financial Management
505102	Experiential Learning:
BSB009	Innovation, Ideas and
	Enterprise Skills
BSB305	Undergraduate Business

	Internship	
BSB131	Applied Business Analytics	
BSB130	Social Enterprises	
DOD100		
 Yea 	ester 1 (February) Entry r 1 Semester 1 r 1 Semester 2 r 2 Semester 2 r 3 Semester 2 r 3 Semester 1 r 3 Semester 2 r 4 Semester 2 r 4 Semester 2 ness Core Option Units: nester 2 (July) Entry r 1 Semester 1 (July) r 1 Semester 2 (February) r 2 Semester 1 (July) r 3 Semester 2 (February) r 3 Semester 2 (February) r 3 Semester 2 (February) r 3 Semester 2 (February) r 4 Semester 1 (July)	
	r 4 Semester 2 (February) ness Core Option Units list:	
	Title	
	1 (February) Entry	
This cour February	se progression relates to entry. The course progressoin	
	ntry is underneath.	
Year 1 Se	emester 1	
BSB107	Financial Performance and Responsibility	
BSB108	Business Environment	
Two units	from other degree component	
Two units	from other degree component	
Year 1 Se	emester 2	
BSB105	The Future Enterprise	
BSB106	Dynamic Markets	
Two units	from other degree component	
Two units	from other degree component	
Year 2 Se	emester 1	
Select a E	Business Core Option Unit	
Select a E	Business Core Option Unit	
	from other degree component	
	from other degree component	
Students seeking professional recognition must undertake BSB151 as one of the Business Core Option units Year 2 Semester 2		
AYB203	Taxation	
EFB210	Fundamentals of Finance	
	from other degree component	
	from other degree component	
Year 3 Se		
AYB250	Personal Financial Planning	
BSB250	Business Citizenship	
	from other degree component	
	from other degree component	



This information is correct as at 04/10/2022. For the most up-to-date course information, visit https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?courseCode=IX93&id=38629. CRICOS No.00213J

Dacher	of of Business/Bachelor of
Year 3 Se	emester 2
AYB232	Financial Services Regulation and Law
AYB240	Superannuation and Retirement Planning
Two units	from other degree component
Two units	from other degree component
Year 4 Se	emester 1
EFB227	Insurance, Risk Management and Estate Planning
EFB345	Managing Investments and Client Relationships
Two units	from other degree component
Two units	from other degree component
Year 4 Se	emester 2
AYB346	Financial Plan Construction (Capstone)
BSB399	Real World Ready - Business Capstone
Two units	from other degree component
	from other degree component
Business	Core Option Units:
	Experiential Learning:
BSB009	Innovation, Ideas and Enterprise Skills
BSB305	Undergraduate Business Internship
BSB131	Applied Business Analytics
BSB130	Social Enterprises
BSB151	Business Law and Governance
BSB152	Financial Management
Semester	2 (July) Entry
This prog (July) ent	ression relates to mid-year ry.
Year 1 Se	emester 1 (July)
BSB107	Financial Performance and Responsibility
BSB108	Business Environment
	from other degree component
	from other degree component
Year 1 Se	emester 2 (February)
BSB105	The Future Enterprise
Select a E	Business Core Option Unit
Two units	from other degree component
Two units	from other degree component
	seeking professional
	n must undertake BSB151 as
	Business Core Option units.
	emester 1 (July)
BSB106	Dynamic Markets
EFB210	Fundamentals of Finance
	from other degree component
	from other degree component
	emester 2 (February)
AYB250	Personal Financial Planning

AYB203	Taxation
Two units	from other degree component
Two units	from other degree component
Year 3 Se	emster 1 (July)
AYB240	Superannuation and Retirement Planning
BSB250	Business Citizenship
Two units	from other degree component
Two units	from other degree component
Year 3 Se	emester 2 (February)
EFB227	Insurance, Risk Management and Estate Planning
EFB345	Managing Investments and Client Relationships
Two units	from other degree component
Two units	from other degree component
Year 4 Se	emester 1 (July)
AYB232	Financial Services Regulation and Law
AYB346	Financial Plan Construction (Capstone)
Two units	from other degree component
	from other degree component
Year 4 Se	emester 2 (February)
BSB399	Real World Ready - Business Capstone
Select a I	Business Core Option Unit.
Two units	from other degree component
Two units	from other degree component
Business	Core Option Units list:
Select tw Option lis	o units from the Business Core t below:
BSB152	Financial Management
BSB131	Applied Business Analytics
BSB130	Social Enterprises
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills
BSB305	Undergraduate Business Internship
BSB151	Business Law and Governance

Semesters

- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1 Year 2 Semester 2
- Year 3 Semester 1 Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2 .
- **Business Core Option Units:** •

Code	Title
Year 1 Semester 1	
BSB105	The Future Enterprise
BSB108	Business Environment
Two units from other degree component.	

for

BSB250	Business Citizenship
Two units	from other degree component
Two units	from other degree component
Year 3 Se	emester 2
MGB23 1	Developing Talent
MGB23 2	Managing Performance and Rewards
Two units	from other degree component
Two units	from other degree component
Year 4 Se	emester 1
MGB37 1	Contemporary Issues in Human Resource Management
Select a u Options li	unit from the Business Core st.
Two units	from other degree component
Two units	from other degree component
Year 4 Se	emester 2
MGB37 2	Creating Value through People
BSB399	Real World Ready - Business Capstone
Two units	from other degree component
Two units	from other degree component
Business	Core Option Units:
	o units (24cp) from the Core Options Units listed
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills
BSB130	Social Enterprises
	niversity eal world

Two units from other degree component.

Dynamic Markets

Managing People

Responsibility

Management

Two units from other degree component. Two units from other degree component.

Employing People

Two units from other degree component. Two units from other degree component.

Recruiting and Selecting

Select a unit from the Business Core

Two units from other degree component. Two units from other degree component.

Financial Performance and

Introducing Human Resource

Obligations and Options for

Year 1 Semester 2

Year 2 Semester 1

Year 2 Semester 2

Option Unit list.

Year 3 Semester 1

People

BSB106

MGB13

BSB107

MGB13

MGB13

MGB23

0

1

2

0

BSB250 Business Citizenship Unit from the other degree component Unit from the other degree component

Rusiness

Finance for International

Year 3, Semester 2

EFB240

BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB151	Business Law and Governance
BSB152	Financial Management

Semesters

- <u>Semester 1 (February) Entry</u>
- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2 Year 3, Semester 1 •
- ٠
- Year 3, Semester 2
- Year 4, Semester 1 ٠
- ٠ Year 4, Semester 2
- Core Options Units ٠
- Semester 2 (July) Entry
- ٠ Year 1 Semester 1 (July)
- Year 1 Semester 2 (February) •
- Year 2 Semester 1 (July) .
- Year 2 Semester 2 (February)
- Year 3 Semester 1 (July) .
- Year 3 Semester 2 (February)
- Year 4 Semester 1 (July) .
- Year 4 Semester 2 (February) •

Code Title Semester 1 (February) Entry

Semester	i (i ebiuary) Linuy	
Semester 1 and Semester 2 commencement follow different core progressions. The Semester 2 (mid-year July) entry course progression is presented below the Semester 1 (February) entry course progression.		
Year 1, S	emester 1	
BSB106	Dynamic Markets	
BSB108	Business Environment	
Unit from	the other degree component	
Unit from	the other degree component	
Year 1, S	emester 2	
BSB105	The Future Enterprise	
AMB110	Internationalisation	
Unit from	the other degree component	
Unit from	the other degree component	
Year 2, S	emester 1	
BSB107	Financial Performance and Responsibility	
MGB22 5	Intercultural Communication and Negotiation Skills	
Unit from	the other degree component	
Unit from	the other degree component	
Year 2, S	emester 2	
AYB227	International Accounting	
Select a l	Business Core Option Unit.	
Unit from	the other degree component	
Unit from the other degree component		
Year 3, Semester 1		
MGB34	International Business in the	

Asia-Pacific

0

	Business
AMB303	International Logistics
Unit from	the other degree component
Unit from	the other degree component
Year 4, S	emester 1
BSB399	Real World Ready - Business Capstone
AMB336	International Marketing
Unit from	the other degree component
Unit from	the other degree component
Year 4, S	emester 2
AMB399	Capstone Experience
Select a u Options L	init from the Business Core ist.
Unit from	the other degree component
Unit from	the other degree component
Core Opti	ons Units
Select two the follow	o units (24 credit points) from ing:
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB151	Business Law and Governance
BSB152	Financial Management
	Experiential Learning:
BSB009	Innovation, Ideas and Enterprise Skills
Somostar	•
	2 (July) Entry v progession relates to mid-
) commencement.
	emester 1 (July)
BSB106	Dynamic Markets
BSB108	Business Environment
	the other degree component
	the other degree component
	emester 2 (February)
BSB105	The Future Enterprise
AMB110	Internationalisation
	the other degree component
	the other degree component
BSB107	emester 1 (July) Financial Performance and Responsibility
MGB22 5	Intercultural Communication and Negotiation Skills
-	the other degree component
Unit HOIII	the other degree component

Unit from the other degree component

Year 2 Semester 2 (February)

	1	
	International Accounting	
Select a E	Business Core Option unit	
Unit from	the other degree component	
Unit from	the other degree component	
Year 3 Se	emester 1 (July)	
EFB240	Finance for International Business	
MGB34 0	International Business in the Asia-Pacific	
Unit from	the other degree component	
Unit from	the other degree component	
Year 3 Se	emester 2 (February)	
AMB303	International Logistics	
BSB250	Business Citizenship	
Unit from	the other degree component	
Unit from	the other degree component	
Year 4 Se	emester 1 (July)	
AMB336	International Marketing	
Select a B	Business Core Option unit	
Unit from	the other degree component	
Unit from	Unit from the other degree component	
Year 4 Semester 2 (February)		
AMB399	Capstone Experience	
BSB399	Real World Ready - Business Capstone	
Unit from	the other degree component	
Unit from the other degree component		

Semesters

- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Business Core Option Unit List

Code	Title	
Year 1 Se	emester 1	
BSB105	The Future Enterprise	
BSB108	Business Environment	
Unit from the other degree component		
Unit from the other degree component		
Year 1 Se	emester 2	
BSB107	Financial Performance and Responsibility	
MGB13 0	Managing People	
Unit from the other degree component		
Unit from the other degree component		
Year 2 Semester 1		
BSB106	Dynamic Markets	
Select a Business Core Option Unit		
Unit from the other degree component		
Unit from	the other degree component	

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Year 4 Semester 1

Year 2 Semester 2

Year 2 Semester 2		
MGB13 3	Managing Strategy	
Select on	e of the following two units:	
MGB23 3	Entrepreneurship	
MGB23 4	Managing Knowledge, Innovation, and Creativity	
Unit from	the other degree component	
Unit from	the other degree component	
Year 3 Se	emester 1	
MGB23 5	Monitoring and Managing Operational Performance	
BSB250	Business Citizenship	
	the other degree component	
	the other degree component	
Year 3 Se	emester 2	
MGB23 6	Identifying and Managing Risk	
Select a E	Business Core Option Unit	
Unit from	the other degree component	
	the other degree component	
Year 4 Se		
BSB399	Real World Ready - Business Capstone	
MGB23 7	Managing Projects for Performance	
Unit from	the other degree component	
Unit from	the other degree component	
Year 4 Se	emester 2	
MGB34 8	Implementing Sustainable Change	
MGB34 9	Creating Strategic Solutions for Sustainable Business Growth	
Unit from	the other degree component	
	the other degree component	
Business	Core Option Unit List	
Select two Core Opti	o from the following Business ion Units:	
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills	
BSB305	Undergraduate Business Internship	
BSB151	Business Law and Governance	
BSB130	Social Enterprises	
BSB152	Financial Management	
BSB131	Applied Business Analytics	

Semesters

- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
 Year 3 Semester 1
- Year 3 Semester 2

Year 4 Semester 2 • <u>Notes</u> Marketing Streams • **Business Core Option Units** Title Code Year 1 Semester 1 BSB105 The Future Enterprise BSB106 Dynamic Markets Unit from the other degree component Unit from the other degree component Year 1 Semester 2 Financial Performance and **BSB107** Responsibility AMB140 Marketplace Simulation Unit from the other degree component Unit from the other degree component Year 2 Semester 1 BSB108 Business Environment Select a Business Core Option Unit or a Marketing Stream Unit Unit from the other degree component Unit from the other degree component Year 2 Semester 2 Understanding how AMB200 Consumers Think, Feel, and (Mis)Behave Select a Business Core Option Unit or a Marketing Stream Unit Unit from the other degree component Unit from the other degree component Year 3 Semester 1 Marketing and Audience AMB201 Analytics AMB299 Marketing Communication Unit from the other degree component Unit from the other degree component Year 3 Semester 2 BSB250 Business Citizenship Marketing Service AMB340 Experiences Unit from the other degree component Unit from the other degree component Year 4 Semester 1

AMB399Capstone ExperienceSelect a Business Core Option Unit or a
Marketing Stream UnitUnit from the other degree componentUnit from the other degree componentYear 4 Semester 2BSB399Real World Ready - Business
CapstoneSelect a Business Core Option Unit or a

Marketing Stream Unit

Unit from the other degree component

Unit from the other degree component

Notes

Select a Business Core Option Unit or a Marketing Stream Unit appears in this structure four times to provide flexibility for when students can undertake their elected two (2) Business Core Option Units and two (2) Marketing Stream units

Marketing Streams

Marketing Streams		
Select two units (24 credit points) from the Marketing Streams. Units may be selected from one stream or from multiple streams.		
Consume	r Insight Through Data Stream	
AMB305	Analysis for Consumer Insights	
AMB306	Designing Consumer Research	
Marketing	Through Innovation Stream	
AMB211	Branding for the Real World	
AMB251	Designing Innovative Goods and Services	
Marketing	Across Borders Stream	
AMB120	Bridging Cultures	
AMB336	International Marketing	
Leisure Ir	dustry Marketing Stream	
AMB207	Entertainment Marketing in a Digital World	
AMB209	Designing a Competitive Tourism Strategy	
Social Change Through Marketing Stream		
AMB255	Avoiding the Dark Side: Marketing, Ethics and Society	
AMB355	Marketing Behavioural and Social Change	
Business	Core Option Units	
Select two untis from the following Business Core Options list:		
BSB305	Undergraduate Business Internship	
BSB151	Business Law and Governance	
BSB152	Financial Management	
BSB130	Social Enterprises	
BSB131	Applied Business Analytics	
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills	

Semesters

- Semester 1 (February) Entry
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Business Core Options

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- Semester 2 (July) Entry ٠
- Year 1 Semester 1 (July)
- Year 1 Semester 2 (February) ٠
- Year 2 Semester 1 (July) Year 2 Semester 2 (February) ٠
- ٠
- Year 3 Semester 1 (July) .
- Year 3 Semester 2 (February) Year 4 Semester 1 (July)
- Year 4 Semester 2 (February) ٠

Code Title

Semester 1 (February) Entry

Semester	⁻ 1 (February) Entry
	different course progressions
	ster 1 (February) and Semester ommencement. This is the
	1 entry course progression.
	ester 2 (July) entry course
	on is presented below that.
Year 1 Se	emester 1
BSB105	The Future Enterprise
BSB108	Business Environment
Unit from	other degree component
	other degree component
Year 1 Se	emester 2
BSB106	Dynamic Markets
AMB163	Introduction to Public Relations
Unit from	other degree component
	other degree component
Year 2 Se	emester 1
BSB107	Financial Performance and Responsibility
AMB164	Media Relations and Publicity
Unit from	other degree component
Unit from	other degree component
Year 2 Se	emester 2
AMB299	Marketing Communication
AMB201	Marketing and Audience Analytics
Unit from	other degree component
Unit from	other degree component
Year 3 Se	emester 1
AMB373	Issues, Stakeholders and Reputation
Select a E	Business Core Option Unit
Unit from	other degree component
Unit from	other degree component
Year 3 Se	emester 2
BSB250	Business Citizenship
AMB375	Internal Communication and Change
Unit from	other degree component
Unit from	other degree component
Year 4 Se	emester 1
AMB374	Global Public Relations Cases
BSB399	Real World Ready - Business Capstone
Unit from	other degree component

	other degree component	
Year 4 Se		
AMB399	Capstone Experience	
Select a E	Business Core Option Unit	
Unit from	other degree component	
Unit from	other degree component	
Business	Core Options List	
Select two Core Opti	o of the following Business on Units:	
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills	
BSB305	Undergraduate Business Internship	
BSB130	Social Enterprises	
BSB131	Applied Business Analytics	
BSB151	Business Law and Governance	
BSB152	Financial Management	
Semester	2 (July) Entry	
	v course progression is for mid-	
year (July	y) commencement.	
Year 1 Se	emester 1 (July)	
BSB105	The Future Enterprise	
BSB108	Business Environment	
Unit from other degree component		
Unit from other degree component		
Year 1 Se	emester 2 (February)	
BSB106	Dynamic Markets	
AMB163	Introduction to Public Relations	
Unit from other degree component		
Unit from	other degree component	
Year 2 Semester 1 (July)		
BSB107	Financial Performance and Responsibility	
AMB164	Media Relations and Publicity	
Unit from	other degree component	
Unit from	other degree component	
Year 2 Se	emester 2 (February)	
	Marketing Communication	
AMB201	Marketing and Audience Analytics	
Unit from	other degree component	
Unit from	other degree component	
	emester 1 (July)	
	Business Citizenship	
	Business Core Option Unit	
	other degree component	
Unit from other degree component		
	emester 2 (February)	
	Clabel Dublic Deletions Coose	

	Global Public Relations Cases	
AMB373	Issues, Stakeholders and Reputation	
Unit from other degree component		

Unit from	other degree component	
Year 4 Semester 1 (July)		
BSB399	Real World Ready - Business Capstone	
AMB375	Internal Communication and Change	
Unit from	other degree component	
Unit from other degree component		
Year 4 Se	emester 2 (February)	
AMB399 Capstone Experience		
Select a B	Business Core Option Unit	
Unit from other degree component		
Unit from other degree component		
e Yea • Yea • Yea • Yea • Yea • Yea • Yea	ers mester 1 (February) mencements r 1, Semester 1 r 1, Semester 2 r 2, Semester 1 r 2, Semester 2 r 3, Semester 1 r 3, Semester 2 r 4, Semester 1	
 Year 4, Semester 2 Semester 2 (July) commencements 		
Voor 1 Compoter 2		

- Year 1, Semester 2
- .
- Year 2, Semester 1 Year 2, Semester 2 .
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
 Year 4, Semester 2
- Year 5, Semester 1

Code Title Semester 1 (February) commencements Year 1, Semester 1 IGB180 **Computer Games Studies** Game Production and IGB181 Technology Year 1, Semester 2 IFB103 IT Systems Design IFB104 **Building IT Systems** Year 2, Semester 1 Game Studio 1: Mini-Game **IGB100** Development **BGIE Core Unit Option** Year 2, Semester 2 KNB127 CGI Foundations KNB135 Animation Aesthetics Year 3, Semester 1 KNB137 Digital Worlds **BGIE Core Unit Option** Year 3, Semester 2 Game Studio 2: Applied **IGB200** Game Development Visual Storytelling: Production **KNB136** Design

[KNB227 is replaced by KNB136 from



2021]

Year 4, Semester 1 IFB398 Capstone Project (Phase 1) [IGB300 is replaced by IFB398 from 2021]

KNB217 Digital Creatures

Note: if you have completed IFB398 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.

Year 4, Semester 2

Capstone Project (Phase 2) IFB399 [IGB301 is replaced by IFB399 from 2021]

Game Studio 3: Game **IGB400** Innovation

Note: if you have completed IFB399 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.

Semester 2 (July) commencements			
Year 1, Semester 2			
IFB103	IT Systems Design		
IFB104	Building IT Systems		
Year 2, S	Year 2, Semester 1		
IGB180	Computer Games Studies		
IGB181	Game Production and Technology		
Year 2, S	emester 2		
KNB127	CGI Foundations		
KNB135	Animation Aesthetics		
Year 3, S	emester 1		
IGB100	Game Studio 1: Mini-Game Development		
KNB137	Digital Worlds		
Year 3, Semester 2			
IGB200	Game Studio 2: Applied Game Development		
KNB136	Visual Storytelling: Production Design		
[KNB227 replaced by KNB136 from 2021]			
Year 4, Semester 1			
IFB398	Capstone Project (Phase 1)		
[IGB300 is replaced by IFB398 from 2021]			
KNB217 Digital Creatures			
Note: if you have completed IFB398 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan			

accordingly and to inform the Coordinator.

Year 4, Semester 2

Capstone Project (Phase 2) IFB399 [IGB301 is replaced by IFB399 from 2021] Game Studio 3: Game

IGB400 Innovation

Note: if you have completed IFB399 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.

Year 5, Semester 1

BGIE Core Unit Option BGIE Core Unit Option

Semesters

- Semester 1 (February) commencements Year 1, Semester 1 .
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2 ٠ Year 4, Semester 1
- . Year 4, Semester 2
- Semester 2 (July) commencements
- Year 1, Semester 2 .
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- . Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Year 5, Semester 1

Code	Title		
Semester 1 (February) commencements			
Year 1, Semester 1			
IGB180	Computer Games Studies		
IGB181	Game Production and Technology		
Year 1, S	emester 2		
IFB103	IT Systems Design		
IFB104	Building IT Systems		
Year 2, S	Year 2, Semester 1		
IGB100	Game Studio 1: Mini-Game Development		
BGIE Core Unit Option			
Year 2, Semester 2			
IGB220	Fundamentals of Game Design		
DXB205	Interactive Narrative Design		
Year 3, Semester 1			
DXB211	Creative Coding		
BGIE Core Unit Option			
Year 3, Semester 2			

IGB321 Design Year 4, Semester 1 IFB398 Capstone Project (Phase 1) [IGB300 is replaced by IFB398 from 2021] Design and Development of **IGB388 Immersive Environments** [IGB320 is replaced by IGB388 from 2021] Note: if you have completed IFB398 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator. Year 4, Semester 2 Capstone Project (Game **IGB301** Development) [IGB301 is replaced by IFB399 from 2021] Game Studio 3: Game **IGB400** Innovation Note: if you have completed IFB399 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator. Semester 2 (July) commencements Year 1, Semester 2 IFB103 IT Systems Design **Building IT Systems** IFB104 Year 2, Semester 1 IGB180 **Computer Games Studies** Game Production and IGB181 Technology Year 2, Semester 2 Fundamentals of Game IGB220 Design DXB205 Interactive Narrative Design Year 3, Semester 1 Game Studio 1: Mini-Game **IGB100** Development DXB211 Creative Coding Year 3, Semester 2 Game Studio 2: Applied **IGB200** Game Development Immersive Game Level **IGB321** Design Year 4, Semester 1 Capstone Project (Game **IGB300** Design) [IGB300 is replaced by IFB398 from 2021] the university

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Game Studio 2: Applied

Immersive Game Level

Game Development

IGB200

IGB320 Game Design in Different Contexts

[IGB320 is replaced by IGB388 from 2021]

Note: if you have completed IFB398 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.

Year 4, Semester 2IGB301Capstone Project (Game Development)[IGB301 is replaced by IFB399 from 2021]IGB400Game Studio 3: Game Innovation

Note: if you have completed IFB399 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.

Year 5, Semester 1

BGIE Core Unit Option

BGIE Core Unit Option

Semesters

- Semester 1 (February)
- commencements
- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
 Year 4, Semester 1
- Year 4, Semester 1
- Semester 2 (July) cor
- <u>Semester 2 (July) commencements</u>
 Year 1. Semester 2
- Year 1, Semester 2
 Year 2, Semester 1
- Year 2, Semester 1
 Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Year 5, Semester 1

Code Title

Semester 1 (February) commencements		
Year 1, Semester 1		
IGB180	Computer Games Studies	
IGB181 Game Production and Technology		
Year 1, Semester 2		
IFB103	IT Systems Design	
IFB104	4 Building IT Systems	
Year 2, Semester 1		
IGB100 Game Studio 1: Mini-Game Development		
BGIE Core Unit Option		

Year 2, Semester 2			
CAB201	Programming Principles		
IGB283	Game Engine Theory and		
Application			
Year 3, S			
CAB301	Algorithms and Complexity		
	re Unit Option		
Year 3, S	emester 2		
IGB200	Game Studio 2: Applied Game Development		
IGB381	Game Engine Technology		
Year 4, S	emester 1		
IFB398	Capstone Project (Phase 1)		
[IGB300 i 2021]	s replaced by IFB398 from		
IGB383	AI for Games		
Note: if yo	ou have completed IFB398 in		
	ious studies e.g. IN01 BIT, you		
	to enrol in an alternative unit		
	ase contact the faculty for		
	e in updating your Study Plan		
accordingly and to inform the Coordinator.			
Year 4. S	emester 2		
IFB399			
	Capstone Project (Phase Z)		
[IGB301 i	Capstone Project (Phase 2) s replaced by IFB399 from		
[IGB301 i 2021]	s replaced by IFB399 from		
-			
2021] IGB400	s replaced by IFB399 from Game Studio 3: Game		
2021] IGB400 Note: if yo your prev	s replaced by IFB399 from Game Studio 3: Game Innovation bu have completed IFB399 in ious studies e.g. IN01 BIT, you		
2021] IGB400 Note: if yo your prev will need	s replaced by IFB399 from Game Studio 3: Game Innovation ou have completed IFB399 in ious studies e.g. IN01 BIT, you to enrol in an alternative unit		
2021] IGB400 Note: if yo your prev will need code. Ple	s replaced by IFB399 from Game Studio 3: Game Innovation bu have completed IFB399 in ious studies e.g. IN01 BIT, you to enrol in an alternative unit ase contact the faculty for		
2021] IGB400 Note: if yo your prev will need code. Ple assistanc	s replaced by IFB399 from Game Studio 3: Game Innovation bu have completed IFB399 in ious studies e.g. IN01 BIT, you to enrol in an alternative unit ase contact the faculty for e in updating your Study Plan		
2021] IGB400 Note: if yo your prev will need code. Ple assistanc	s replaced by IFB399 from Game Studio 3: Game Innovation bu have completed IFB399 in ious studies e.g. IN01 BIT, you to enrol in an alternative unit ase contact the faculty for e in updating your Study Plan Jly and to inform the		
2021] IGB400 Note: if yo your prev will need code. Ple assistanc according Coordina	s replaced by IFB399 from Game Studio 3: Game Innovation bu have completed IFB399 in ious studies e.g. IN01 BIT, you to enrol in an alternative unit ase contact the faculty for e in updating your Study Plan yly and to inform the tor.		
2021] IGB400 Note: if yo your prev will need code. Ple assistanc according Coordina	s replaced by IFB399 from Game Studio 3: Game Innovation bu have completed IFB399 in ious studies e.g. IN01 BIT, you to enrol in an alternative unit ase contact the faculty for e in updating your Study Plan Jy and to inform the tor. 2 (July) commencements		
2021] IGB400 Note: if yo your prev will need code. Ple assistanc according Coordina	s replaced by IFB399 from Game Studio 3: Game Innovation bu have completed IFB399 in ious studies e.g. IN01 BIT, you to enrol in an alternative unit ase contact the faculty for e in updating your Study Plan gly and to inform the tor. 2 (July) commencements emester 2		
2021] IGB400 Note: if yo your prev will need code. Ple assistanc according Coordina Semester Year 1, S IFB103	s replaced by IFB399 from Game Studio 3: Game Innovation bu have completed IFB399 in ious studies e.g. IN01 BIT, you to enrol in an alternative unit ase contact the faculty for e in updating your Study Plan gly and to inform the tor. 2 (July) commencements emester 2 IT Systems Design		
2021] IGB400 Note: if yo your prev will need code. Ple assistanc according Coordina Semester Year 1, S IFB103 IFB104	s replaced by IFB399 from Game Studio 3: Game Innovation bu have completed IFB399 in ious studies e.g. IN01 BIT, you to enrol in an alternative unit ase contact the faculty for e in updating your Study Plan gly and to inform the tor. 2 (July) commencements emester 2 IT Systems Design Building IT Systems		
2021] IGB400 Note: if yo your prev will need code. Ple assistanc according Coordinal Semester Year 1, S IFB103 IFB104 Year 2, S	s replaced by IFB399 from Game Studio 3: Game Innovation bu have completed IFB399 in ious studies e.g. IN01 BIT, you to enrol in an alternative unit ase contact the faculty for e in updating your Study Plan gly and to inform the tor. 2 (July) commencements emester 2 IT Systems Design Building IT Systems emester 1		
2021] IGB400 Note: if yo your prev will need code. Ple assistanc according Coordina Semester Year 1, S IFB103 IFB104	s replaced by IFB399 from Game Studio 3: Game Innovation bu have completed IFB399 in ious studies e.g. IN01 BIT, you to enrol in an alternative unit ase contact the faculty for e in updating your Study Plan gly and to inform the tor. 2 (July) commencements emester 2 IT Systems Design Building IT Systems emester 1 Computer Games Studies		
2021] IGB400 Note: if yo your prev will need code. Ple assistanc according Coordina Semester Year 1, S IFB103 IFB103 IFB104 Year 2, S IGB180 IGB181	s replaced by IFB399 from Game Studio 3: Game Innovation Du have completed IFB399 in ious studies e.g. IN01 BIT, you to enrol in an alternative unit ase contact the faculty for e in updating your Study Plan gly and to inform the tor. 2 (July) commencements emester 2 IT Systems Design Building IT Systems emester 1 Computer Games Studies Game Production and Technology		
2021] IGB400 Note: if yo your prev will need code. Ple assistanc according Coordina Semester Year 1, S IFB103 IFB104 Year 2, S IGB180 IGB181 Year 2, S	s replaced by IFB399 from Game Studio 3: Game Innovation bu have completed IFB399 in ious studies e.g. IN01 BIT, you to enrol in an alternative unit ase contact the faculty for e in updating your Study Plan gly and to inform the tor. 2 (July) commencements emester 2 IT Systems Design Building IT Systems emester 1 Computer Games Studies Game Production and Technology emester 2		
2021] IGB400 Note: if yo your prev will need code. Ple assistanc according Coordina Semester Year 1, S IFB103 IFB103 IFB104 Year 2, S IGB180 IGB181	s replaced by IFB399 from Game Studio 3: Game Innovation Du have completed IFB399 in ious studies e.g. IN01 BIT, you to enrol in an alternative unit ase contact the faculty for e in updating your Study Plan gly and to inform the tor. 2 (July) commencements emester 2 IT Systems Design Building IT Systems emester 1 Computer Games Studies Game Production and Technology		

IFB398 Capstone Project (Phase 1) [IGB300 is replaced by IFB398 from 2021]

IGB383 AI for Games

Note: if you have completed IFB398 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.

Year 4, Semester 2

IFB399 Capstone Project (Phase 2) [IGB301 is replaced by IFB399 from 2021]

IGB400 Game Studio 3: Game Innovation

Note: if you have completed IFB399 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.

Year 5, Semester 1

BGIE Core Unit Option BGIE Core Unit Option



Year 3, Semester 1

Year 3, Semester 2

Year 4, Semester 1

IGB100

IGB200

IGB381

CAB301 Algorithms and Complexity

Development

Game Studio 1: Mini-Game

Game Studio 2: Applied

Game Engine Technology

Game Development

Year	2022
QUT code	SE05
CRICOS	0102144
Duration (full-time)	5 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2022: CSP \$8,100 per year full-time (96 credit points)
International fee (indicative)	2022: \$35,800 per year full-time (96 credit points)
Total credit points	480
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Paul Donehue (Urban Development majors); Dr Graham Johnson (Science majors)
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Year 12 early offer scheme

If you're a current Queensland Year 12 student, you may be eligible to receive an offer for this course on the last day of Queensland Year 12, before receiving your ATAR or selection rank.

Find out more about the QUT Year 12 Early Offer Scheme

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Assumed knowledge

 General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English

requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

For this course you must complete a total of 480 credit points, made up of 288 credit points from the Bachelor of Urban Development (Honours) (Urban and Regional Planning) and 192 credit points from the Bachelor of Science (Environmental Science). You will study both science and urban development units in your first four years, and concentrate on urban development studies for the remainder of this course.

Urban and Regional Planning component

Students are required to complete 288 credit points of study comprising:

 72 credit points of core Urban Development units including a 12 credit point work placement unit and a 12 credit point research methods unit.

 216 credit points of Urban and Regional Planning major discipline units including 24 credit points of capstone project.

Envrionmental Science Component

Students are required to complete 192 credit points of study comprising:

- 60 credit points of core Science units including one option unit (12cp) to be selected from a unit options list.
- 132 credit points of Environmental Science major discipline units.

International Course structure

For this course you must complete a total of 480 credit points, made up of 288 credit points from the Bachelor of Urban Development (Honours) (Urban and Regional Planning) and 192 credit points from the Bachelor of Science (Environmental Science). You will study both science and urban development units in your first four years, and concentrate on urban development studies for the remainder of this course.

Urban and Regional Planning component

Students are required to complete 288 credit points of study comprising:

- 72 credit points of core Urban Development units including a 12 credit point work placement unit and a 12 credit point research methods unit
- 216 credit points of Urban and Regional Planning major discipline units including 24 credit points of capstone project.

Envrionmental Science Component

Students are required to complete 192 credit points of study comprising:

- 60 credit points of core Science units including one option unit (12cp) to be selected from a unit options list.
- 132 credit points of Environmental Science major discipline units.

Sample Structure Semesters

• Somoot

- <u>Semester 1 (February)</u> <u>commencements</u>
- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
 Year 3, Semester 1



Bachelor of Urban Development (Honours) (Urban and Regional Planning)/Bachelor of Science (Environmental Science) Year 3, Semester 2 UXB301 Professional Practice

UXH300

EFB231

UXH400

UXH400

-2

-1

Year 5, Semester 1

Year 5, Semester 2

Research Methods for the

Future Built Environment

EVB312Soils and the EnvironmentOR (if EVB312 completed previously)BVB311Conservation Biology

Economics

Project - Part A

UXH431 Urban Planning Practice

UXH331 Environmental Planning UXH432 Community Planning UXH433 Regional Planning

Project - Part B

Bachelor	of Urban Development (Hono			
• <u>Year</u>	r 3, Semester 2			
 Year 4, Semester 1 Year 4, Semester 2 				
Year 5, Semester 1				
• <u>Yea</u>	r 5, Semester 2			
	Title			
	1 (February) commencements			
	Semester 1			
SEB104	Grand Challenges in Science			
SEB113	Quantitative Methods in Science			
UXB131	Planning and Design Practice			
UXB132	Urban Analysis			
Year 1, S	emester 2			
Science:	Core Unit Option			
Environm Unit	ental Science Major Option			
UXB133	Urban Studies			
UXB134	Land Use Planning			
Year 2, S	emester 1			
SEB115	Experimental Science 1			
SEB116	Experimental Science 2			
UXB100	Design-thinking for the Built Environment			
UXB130 History of the Built Environment				
Year 2, Semester 2				
ERB101	Earth Systems			
EVB102	Ecosystems and the Environment			
LWS012 Urban Development Law				
UXB135 Negotiation and Conflict Resolution				
Year 3, Semester 1				
BVB202	Experimental Design and Quantitative Methods			
EVB203	Geospatial Information Science			
UXB231	Stakeholder Engagement			
UXB233 Planning Law				
Year 3, S	emester 2			
BVB204				
EVB302 Environmental Pollution				
UXB230 Site Planning				
UXB234 Transport Planning				
Year 4, Semester 1				
EVB312	Soils and the Environment			
OR				
BVB311	Conservation Biology			
USB300	Property Development			
UXB330	Urban Design			
UXH430	Planning Theory and Ethics			
Year 4, S	Year 4, Semester 2			
EVB304	Case Studies in Environmental Science			
EDDOAO	One should be a Oriente see			

ERB310 Groundwater Systems



Year	2022
QUT code	SE20
CRICOS	078353G
Duration (full-time)	4 years
ATAR/Selection rank	84.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2022: CSP \$6,200 per year full-time (96 credit points)
International fee (indicative)	2022: \$35,400 per year full-time (96 credit points)
Total credit points	384
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Graham Johnson (Science Major); Professor Tim Moroney (Mathematics Major)
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Assumed knowledge

 Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Course Overview

Studying a double degree in applied science and mathematics will provide you with advanced knowledge and skills that are highly sought after by employers. The course is made up of 384 credit points, with each component degree (i.e. Science and Mathematics) comprising 192 credit points each.

From the very first semester, in both your science and your mathematics studies, you will have the opportunity to collaborate with your peers and teaching staff in QUT's exciting new learning environments. You will explore real world problems from multiple scientific, mathematical and statistical perspectives and learn the tools of the trade. Depending on your choices you may find yourself out in the field, working in the laboratory or learning about the impact of scientific discovery on people, policy, industry and the planet. Working with data that you have collected, you will apply fundamental methods of scientific practice, perform scientific analysis, and present your findings. You will learn about a range of career and professional outcomes so that you can get the most from the flexibility the Bachelor of Science has to offer. Your mathematics studies

will strengthen your quantitative analysis skills.

Your choice of science major will provide you with in-depth knowledge and expertise in a scientific discipline. Your choice of mathematics units/major will allow you to develop more advanced quantitative skills and problem solving capabilities that can be applied to larger and more complex real world problems. Both of which will prepare you for entry into the workforce or further study. You can even work with industry or get credit to study overseas.

Aim

This double degree aims to provide graduates with opportunities to develop their skills and knowledge in mathematics and science. You will develop the ability to apply mathematics, statistics, computational methods and decision science to real world problems. The Bachelor of Science aims to deliver:

Sample Structure Semesters

- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
 Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2

Code	Title	
Year 1 Se	emester 1	
SEB104	Grand Challenges in Science	
SEB113	Quantitative Methods in Science	
Year 1 Se	emester 2	
Science C	Core Unit Option	
Science N	Major Unit Option	
Year 2 Se	emester 1	
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
Year 2 Semester 2		
Year 2 Se	emester 2	
	Foundations of Biology	
BVB101		
BVB101	Foundations of Biology Evolution	
BVB101 BVB102	Foundations of Biology Evolution	
BVB101 BVB102 Year 3 Se	Foundations of Biology Evolution emester 1 Experimental Design and	
BVB101 BVB102 Year 3 Se BVB202	Foundations of Biology Evolution emester 1 Experimental Design and Quantitative Methods Animal Biology	
BVB101 BVB102 Year 3 Se BVB202 BVB301	Foundations of Biology Evolution emester 1 Experimental Design and Quantitative Methods Animal Biology	
BVB101 BVB102 Year 3 Se BVB202 BVB301 Year 3 Se	Foundations of Biology Evolution Experimental Design and Quantitative Methods Animal Biology Emester 2	



Bachelor of Science/Bachelor of Mathematics

BVB203	Plant Biology
BVB305	Microbiology and the Environment
Year 4 Semester 2	
BVB304	Integrative Biology
BVB313	Population Genetics and Molecular Ecology

Semesters

- Year 1 Semester 1
- Year 1 Semester 2 •
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1 ٠
- Year 3 Semester 2 Year 4 Semester 1 .
- Year 4 Semester 2

Code	Title
Year 1 Se	emester 1
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 1 Se	emester 2
CVB101	General Chemistry
CVB102	Chemical Structure and Reactivity
Year 2 Se	emester 1
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 2 Se	emester 2
CVB210	Chemical Measurement Science
Science (Core Unit Option
Year 3 Se	emester 1
CVB201	Inorganic Chemistry
CVB202	Analytical Chemistry
Year 3 Se	emester 2
CVB203	Physical Chemistry
CVB204	Organic Structure and Mechanisms
Year 4 Se	emester 1
CVB301	Organic Chemistry: Strategies for Synthesis
CVB302	Applied Physical Chemistry
Year 4 Se	emester 2
CVB303	Coordination Chemistry
CVB304	Chemistry Research Project

Semesters

- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
 Year 3 Semester 1
- ٠ Year 3 Semester 2
- Year 4 Semester 1 .

• <u>Tea</u>	• Teal 4 Semester 2		
Code	Title		
Year 1 Se	emester 1		
SEB104	Grand Challenges in Science		
SEB113	Quantitative Methods in Science		
Year 1 Se	emester 2		
Science (Core Unit Option		
Science M	Major Unit Option		
Year 2 Se	emester 1		
SEB115	Experimental Science 1		
SEB116	Experimental Science 2		
Year 2 Se	emester 2		
ERB101			
ERB102	Evolving Earth		
Year 3 Se	emester 1		
ERB201	Destructive Earth: Natural Hazards		
ERB202	Marine and Atmospheric		
	Systems		
Year 3 Se			
ERB203	Sedimentary Geology and Stratigraphy		
ERB204	Deforming Earth: Fundamentals of Structural Geology		
Year 4 Se	emester 1		
ERB301	Chemical Earth		
ERB302	Applied Geophysics		
Year 4 Se	emester 2		
ERB303	Energy Resources and Basin Analysis		
ERB304	Dynamic Earth: Plate Tectonics		
Semesters			
Year 1 Semester 1			
	<u>r 1 Semester 2</u> r 2 Semester 1		
Year 2 Semester 2			
Year 3 Semester 1			
	<u>r 3 Semester 2</u> r 4 Semester 1		
• <u>Year 4 Semester 2</u>			
Code	Title		
Year 1 Se			
	Grand Challenges in Science		

Year 4 Semester 2

Code	Title	
Year 1 Se	Year 1 Semester 1	
SEB104	Grand Challenges in Science	
SEB113	Quantitative Methods in Science	
Year 1 Se	emester 2	
Science Core Unit Option		
Science Major Unit Option		
Year 2 Semester 1		
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
Year 2 Semester 2		

ERB101	Earth Systems	
ERDIUI	Earth Systems	
EVB102	Ecosystems and the Environment	
Year 3 Se	emester 1	
BVB202	Experimental Design and Quantitative Methods	
EVB203	Geospatial Information Science	
Year 3 Semester 2		
BVB204	Ecology	
EVB302	Environmental Pollution	
Year 4 Se	emester 1	
BVB311	Conservation Biology	
EVB312	Soils and the Environment	
Year 4 Semester 2		
ERB310	Groundwater Systems	
EVB304	Case Studies in Environmental Science	

Semesters

- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2 Year 3 Semester 1
- Year 3 Semester 2
 Year 4 Semester 1
- Year 4 Semester 2

Code	Title
Year 1 Se	emester 1
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 1 Se	emester 2
PVB101	Physics of the Very Large
PVB102	Physics of the Very Small
Year 2 Se	emester 1
PVB210	Stellar Astrophysics
SEB104	Grand Challenges in Science
Year 2 Se	emester 2
SEB113	Quantitative Methods in Science
Science (Core Unit Option
Year 3 Se	emester 1
PQB360	Introduction to Climate Change
PVB203	Experimental Physics
Year 3 Se	emester 2
PVB204	Electromagnetism
PVB220	Cosmology
Year 4 Se	emester 1
PVB301	Materials and Thermal Physics
PVB302	Classical and Quantum Physics



This information is correct as at 04/10/2022. For the most up-to-date course information, visit https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?courseCode=SE20&id=39010. CRICOS No.00213J

Bachelor of Science/Bachelor of Mathematics

Year 4 Semester 2

PVB303	Nuclear and Particle Physics
PVB304	Physics Research

Semesters

- Applied and Computational Mathematics Major unit set:
- Year 1 Semester 1
 Year 1 Semester 2
- Year 2 Semester 1
 Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1 ٠
- ٠ Year 4 Semester 2

Code	Title
	nd Computational Mathematics
Major uni	
Year 1 Se	emester 1
MXB102	Abstract Mathematical Reasoning
MXB106	Linear Algebra
Year 1 Se	emester 2
MXB105	Calculus and Differential Equations
MXB161	Computational Explorations
Year 2 Se	emester 1
MXB101	Probability and Stochastic Modelling 1
Maths Co	pre Options Unit
Year 2 Se	emester 2
MXB103	Introductory Computational Mathematics
MXB107	Introduction to Statistical Modelling
Year 3 Se	emester 1
MXB201	Advanced Linear Algebra
MXB225	Modelling with Differential Equations 1
Year 3 Se	emester 2
MXB202	Advanced Calculus
MXB226	Computational Methods 1
Year 4 Se	emester 1
MXB322	Partial Differential Equations
MXB326	Computational Methods 2
Year 4 Se	emester 2
MXB325	Modelling with Differential Equations 2
MXB328	Work Integrated Learning in Applied and Computational Mathematics

Semesters

- Operations Research Major unit set:
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
 Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2

- Year 4 Semester 1
- Year 4 Semester 2

Code	Title
Operatior	hs Research Major unit set:
Year 1 Se	emester 1
MXB102	Abstract Mathematical Reasoning
MXB106	Linear Algebra
Year 1 Se	emester 2
MXB105	Calculus and Differential Equations
MXB161	Computational Explorations
Year 2 Se	emester 1
MXB101	Probability and Stochastic Modelling 1
Maths Co	re Options Unit
Year 2 Se	emester 2
MXB103	Introductory Computational Mathematics
MXB107	Introduction to Statistical Modelling
Year 3 Se	emester 1
MXB201	Advanced Linear Algebra
MXB232	Introduction to Operations Research
Year 3 Se	emester 2
MXB202	Advanced Calculus
MXB241	Probability and Stochastic Modelling 2
Year 4 Se	emester 1
MXB332	Optimisation Modelling
MXB341	Statistical Inference
Year 4 Se	emester 2
MXB334	Operations Research for Stochastic Processes
MXB338	Work Integrated Learning in Operations Research

Semesters

- <u>Statistics Major unit set:</u>
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
 Year 2 Semester 2
- Year 3 Semester 1 Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2

Code	Title	
Statistics	Statistics Major unit set:	
Year 1 Semester 1		
MXB102	Abstract Mathematical Reasoning	
MXB106	Linear Algebra	
Year 1 Semester 2		
MXB105	Calculus and Differential Equations	

MXB161	Computational Explorations		
Year 2 Se	emester 1		
MXB101	Probability and Stochastic Modelling 1		
Maths Co	re Options Unit		
Year 2 Se	emester 2		
MXB103	Introductory Computational Mathematics		
MXB107	Introduction to Statistical Modelling		
Year 3 Se	emester 1		
MXB201	Advanced Linear Algebra		
MXB242	Regression and Design		
Year 3 Se	emester 2		
MXB202	Advanced Calculus		
MXB241	Probability and Stochastic Modelling 2		
Year 4 Se	emester 1		
MXB341	Statistical Inference		
MXB344	Generalised Linear Models		
Year 4 Se	Year 4 Semester 2		
MXB343	Modelling Dependent Data		
MXB348	Work Integrated Learning in Statistics		



Year	2022
QUT code	SE30
CRICOS	059226F
Duration (full-time)	4 years
ATAR/Selection rank	84.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2022: CSP \$6,400 per year full-time (96 credit points)
International fee (indicative)	2022: \$34,300 per year full-time (96 credit points)
Total credit points	384
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Wayne Kelly (Information Technology); Professor Tim Moroney (Mathematics)
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- · English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Assumed knowledge

 Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Course Overview

Mathematics and information technology are interrelated disciplines. This double degree provides you with the knowledge and skills to develop solutions for complex problems that provide great benefits to society. In the first year you will build a foundation in mathematics and information technology and then select integrated strands combining units from the areas of applied mathematics, computational mathematics, operations research, statistics or financial mathematics with the combined information technology major from either Information Systems of Computer Science.

Career Outcomes

Mathematics underpins much of information technology, especially in the more advanced areas of development and analysis. As a graduate you may find employment as a technical support specialist, data visualisation specialist, operations research specialist, computational scientist, statistician (there is high demand in the insurance industry), or work in complex system and scientific modellina.

Professional Recognition

Graduates will be eligible for membership of the Mathematical Society of Australia, the Statistical Society of Australia and, depending on unit selection, the Australian Society for Operations Research. This course is accredited by the Australian Computer Society (ACS). ACS accreditation is internationally recognised by the Seoul Accord.

Domestic Course structure The Bachelor of Mathematics component consists of:

- Six (6) core units (72 credit points: 48cp + 24cp core options)
- Ten (10) major core units (120 credit points).

The Bachelor of Information

Technology component consists of:

- Six (6) core units (72 credit points: 48cp + 24cp core options)
- Ten (10) major core units (120 credit points).

International Course structure

The Mathematics component consists of :

- · Six (6) Core units (72 credit points: 48cp + 24cp Core options)
- Ten (10) Major Core units (120 credit points)

The Bachelor of Information Technology component consists of:

- Six (6) Core units (72 credit points: 48cp + 24cp Core options)
- Ten (10) Major Core units (120 credit points)

Sample Structure

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2 Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1 •
- Year 4, Semester 2

Code	Title
Year 1, Semester 1	
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Maths Core Unit	
Maths Core Unit	



Bachelor of Information Technology/Bachelor of Mathematics

Year 1. S	Semester 2		
IFB104			
IFB105	Database Management		
Maths Co	Ū.		
Maths Co	ore Unit		
Year 2, S	Semester 1		
IFB240	Cyber Security		
IT Core L	Jnit Option		
Maths Co	pre Unit		
Maths Co	pre Option Unit		
	m 2023 IFB240 will replace IT		
	t Option. IFB240 will become		
core unit.	Semester 2		
IT Major			
-			
IT Major Maths Co			
Maths Co			
	Semester 1		
-	IT Major Unit		
-	IT Major Unit Maths Common Major Unit		
Maths Ma	-		
	Semester 2		
IT Major			
IT Major			
-	ommon Major Unit		
Maths Ma	-		
Year 4, Semester 1			
IT Major			
IT Major	IT Major Unit		
Maths Major Unit			
Maths Ma	Maths Major Unit		
Year 4, S	Semester 2		
IT Major	IT Major Unit		
IT Capstone Unit			
Maths Major Unit			
Maths Ca	apstone Unit		

Semesters

- Year 1, Semester 1
- Year 1, Semester 2 Year 2, Semester 1 •
- .
- Year 2, Semester 2 Year 3, Semester 1 ٠
- Year 3, Semester 2
- Year 4, Semester 1 .
- Year 4, Semester 2 •

Code	Title	
Year 1, S	Year 1, Semester 1	
IFB102	Introduction to Computer Systems	
IFB103	IT Systems Design	
Year 1, Semester 2		
IFB104	Building IT Systems	
IFB105	Database Management	

Year 2, Semester 1		
IT Core Unit Option		
IT Core L	Init Option	
Year 2, S	emester 2	
CAB201	Programming Principles	
CAB202	Microprocessors and Digital Systems	
Year 3, S	emester 1	
CAB203	Discrete Structures	
CAB302	Software Development	
Year 3, S	emester 2	
CAB303	Networks	
IFB295	IT Project Management	
Year 4, Semester 1		
CAB301	Algorithms and Complexity	
IFB398	Capstone Project (Phase 1)	
Year 4, Semester 2		
IFB399	Capstone Project (Phase 2)	
Select one of:		
CAB401	High Performance and Parallel Computing	
CAB402	Programming Paradigms	
CAB403	Systems Programming	
CAB420	Machine Learning	

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1 Year 2, Semester 2 •
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1 Year 4, Semester 2

Code	Title
vue	[[6

Year 1, S	Semester 1
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 1, S	Semester 2
IFB104	Building IT Systems
IFB105	Database Management
Year 2, S	Semester 1
IT Core L	Jnit Option
IT Core Unit Option	
Year 2, S	Semester 2
IAB201	Modelling Techniques for Information Systems
IAB207	Rapid Web Application Development
Year 3, S	Semester 1
IAB203	Business Process Modelling
IAB204	Business Requirements Analysis
Year 3, S	Semester 2
IAB305	Information Systems Lifecycle

Management IFB295 **IT Project Management** Year 4, Semester 1 IFB398 Capstone Project (Phase 1) Select one of: IAB206 Modern Data Management IAB260 Social Technologies Data Analytics for Business IAB303 Insight **Business Process** IAB320 Improvement Information Systems IAB402 Consulting Year 4, Semester 2 IAB401 **Enterprise Architecture**

IFB399 Capstone Project (Phase 2)

Semesters

- Applied and Computational
- Mathematics Major unit set: Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2 •
- Year 3 Semester 1
- . Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2 •

Code	Title	
	Applied and Computational Mathematics	
Major uni		
Year 1 Se		
MXB102	Abstract Mathematical Reasoning	
MXB106	Linear Algebra	
Year 1 Se	emester 2	
MXB105	Calculus and Differential Equations	
MXB161	Computational Explorations	
Year 2 Se	emester 1	
MXB101	Probability and Stochastic Modelling 1	
Maths Co	re Options Unit	
Year 2 Se	emester 2	
MXB103	Introductory Computational Mathematics	
MXB107	Introduction to Statistical Modelling	
Year 3 Se	emester 1	
MXB201	Advanced Linear Algebra	
MXB225	Modelling with Differential Equations 1	
Year 3 Se	emester 2	
MXB202	Advanced Calculus	
MXB226	Computational Methods 1	
Year 4 Se	emester 1	
MXB322	Partial Differential Equations	
MXB326	Computational Methods 2	
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This information is correct as at 04/10/2022. For the most up-to-date course information, visit https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?courseCode=SE30&id=39030. CRICOS No.00213J

Bachelor of Information Technology/Bachelor of Mathematics

Year 4 Semester 2

MXB325	Modelling with Differential Equations 2
MXB328	Work Integrated Learning in Applied and Computational Mathematics

Semesters

- Operations Research Major unit set:
- Year 1 Semester 1
 Year 1 Semester 2
- Year 2 Semester 1
 Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2 Year 4 Semester 1 ٠
- ٠
- ٠ Year 4 Semester 2

Code	Title	
Operations Research Major unit set:		
Year 1 Se	emester 1	
MXB102	Abstract Mathematical Reasoning	
MXB106	Linear Algebra	
Year 1 Se	emester 2	
MXB105	Calculus and Differential Equations	
MXB161	Computational Explorations	
Year 2 Se	emester 1	
MXB101	Probability and Stochastic Modelling 1	
Maths Co	re Options Unit	
Year 2 Se	emester 2	
MXB103	Introductory Computational Mathematics	
MXB107	Introduction to Statistical Modelling	
Year 3 Se	emester 1	
MXB201	Advanced Linear Algebra	
MXB232	Introduction to Operations Research	
Year 3 Se	emester 2	
MXB202	Advanced Calculus	
MXB241	Probability and Stochastic Modelling 2	
Year 4 Se	emester 1	
MXB332	Optimisation Modelling	
MXB341	Statistical Inference	
Year 4 Semester 2		
MXB334	Operations Research for Stochastic Processes	
MXB338	Work Integrated Learning in Operations Research	

Semesters

- <u>Statistics Major unit set:</u>
- Year 1 Semester 1
 Year 1 Semester 2

- Year 2 Semester 1
 Year 2 Semester 2
- Year 3 Semester 1

• Year 4 Semester 2		
Code	Title	
Statistics	Major unit set:	
Year 1 Se	emester 1	
MXB102	Abstract Mathematical Reasoning	
MXB106	Linear Algebra	
Year 1 Se	emester 2	
MXB105	Calculus and Differential Equations	
MXB161	Computational Explorations	
Year 2 Se	emester 1	
MXB101	Probability and Stochastic Modelling 1	
Maths Co	re Options Unit	
Year 2 Se	emester 2	
MXB103	Introductory Computational Mathematics	
MXB107	Introduction to Statistical Modelling	
Year 3 Se	emester 1	
MXB201	Advanced Linear Algebra	
MXB242	Regression and Design	
Year 3 Se	emester 2	
MXB202	Advanced Calculus	
MXB241	Probability and Stochastic Modelling 2	
Year 4 Semester 1		
MXB341	Statistical Inference	
MXB344	Generalised Linear Models	
Year 4 Se	emester 2	
MXB343	Modelling Dependent Data	
MXB348	Work Integrated Learning in Statistics	

 Year 3 Semester 2 Year 4 Semester 1

Year	2022
QUT code	SE40
CRICOS	084922G
Duration (full-time)	5 years
Duration (part-time domestic)	9 years
ATAR/Selection rank	84.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2022: CSP \$5,700 per year full-time (96 credit points)
International fee (indicative)	2022: \$36,700 per year full-time (96 credit points)
Total credit points	480
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Jacob Coetzee (Engineering); Professor Tim Moroney (Mathematics major)
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Assumed knowledge

• Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English

requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Domestic Course structure

To graduate with a Bachelor of Engineering (Honours) in SE40, students are required to complete 288 credit points of course units, as outlined below:

- First year: four (4) core units 48cp + two (2) discipline foundation units 24cp + two (2) option units 24cp (96 credit points)
- Major: one (1) block of eight (8) major units 96cp plus eight (8) honours-level units 96cp (192 credit points).

Honours units to consist of:

- Research methods 12cp
 - Research me
 Project 24cp
 - 5 x advanced major units 60cp.

To graduate with a Bachelor of Mathematics in SE40, students are required to complete 192 credit points of course units, as outlined below:

- 96 credit points (8 units) of Core units, which include 24 credit points (2 units) of Core Option units selected from an approved list.
- 96 credit points (8 units) of Major Core units

International Course structure

To graduate with a Bachelor of Engineering (Honours) in SE40, students are required to complete 288 credit points of course units, as outlined below:

- First year: four (4) core units 48cp + two (2) discipline foundation units 24cp + two (2) option units 24cp (96 credit points)
- Major: one (1) block of eight (8) major units 96cp plus eight (8) honours-level units 96cp (192 credit points).

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x Advanced major units 60cp.

To graduate with a Bachelor of Mathematics in SE40, students are required to complete 192 credit points of course units, as outlined below:

- 96 credit points (8 units) of Core units, which include 24 credit points (2 units) of Core Option units selected from an approved list.
- 96 credit points (8 units) of Major Core units

Sample Structure

Semesters

- Applied and Computational Mathematics Major unit set:
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2

Code Title

Applied and Computational Mathematics Major unit set:

Year 1 Semester 1

MXB102	Abstract Mathematical Reasoning
MVD106	Lincor Algobro

MXB106 Linear Algebra

Year 1 Semester 2

MXB105 Calculus and Differential Equations

Maths Core Options Unit

Please note: SE40 students will do MXB161 as part of their Engineering Maths units. Choose a unit from the list of Maths core options.

Year 2 Semester 1

MXB101 Probability and Stochastic Modelling 1



Bachelor of Engineering (Honours)/Bachelor of Mathematics

Maths Core Options Unit		
Year 2 Semester 2		
MXB103	Introductory Computational Mathematics	
MXB107	Introduction to Statistical Modelling	
Year 3 Semester 1		
MXB201	Advanced Linear Algebra	
MXB225	Modelling with Differential Equations 1	
Year 3 Semester 2		
MXB202	Advanced Calculus	
MXB226	Computational Methods 1	
Year 4 Semester 1		
MXB322	Partial Differential Equations	
MXB326	Computational Methods 2	
Year 4 Semester 2		
MXB325	Modelling with Differential Equations 2	
MXB328	Work Integrated Learning in Applied and Computational Mathematics	

Semesters

- Operations Research Major unit set:
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
 Year 3 Semester 1
- Year 3 Semester 1
 Year 3 Semester 2
- Year 3 Semester 2
 Year 4 Semester 1
- Year 4 Semester 1
 Year 4 Semester 2

Code	Title	
Operations Research Major unit set:		
Year 1 Se	emester 1	
MXB102	Abstract Mathematical Reasoning	
MXB106	Linear Algebra	
Year 1 Semester 2		
MXB105	Calculus and Differential Equations	
Please note: SE40 students will do MXB161 as part of their Engineering Maths units.		
Maths Core Options Unit		
Year 2 Semester 1		
MXB101	Probability and Stochastic Modelling 1	
Maths Core Options Unit		
Year 2 Semester 2		
	emester 2	
MXB103	emester 2 Introductory Computational Mathematics	
	Introductory Computational	
MXB103	Introductory Computational Mathematics Introduction to Statistical Modelling	
MXB103 MXB107	Introductory Computational Mathematics Introduction to Statistical Modelling	

MXB202	Advanced Calculus
MXB241	Probability and Stochastic Modelling 2
Year 4 Se	emester 1
	Optimisation Modelling
MXB341	Statistical Inference
	emester 2
	Operations Research for
MXB334	Stochastic Processes
MXB338	Work Integrated Learning in Operations Research
Semeste	
	istical Science Major unit set:
• <u>Yea</u>	r 1 Semester 1
	r 1 Semester 2 r 2 Semester 1
	<u>r 2 Semester 2</u>
 Year 3 Semester 1 	
	<u>r 3 Semester 2</u> r 4 Semester 1
• Yea	r 4 Semester 2
Code	Title
	I Science Major unit set:
	emester 1
Teal 1 St	Abstract Mathematical
MXB102	Reasoning
MXB106	Linear Algebra
	emester 2
	Calculus and Differential
MXB105	Equations
Please note: SE40 students will do MXB161 as part of their Engineering Maths units.	
Maths Co	ore Options Unit
Year 2 Se	emester 1
MXB101	Probability and Stochastic
	Modelling 1
	ore Options Unit
Year 2 Se	emester 2
MXB103	Introductory Computational Mathematics
MXB107	Introduction to Statistical Modelling
	emester 1
MXB201	Advanced Linear Algebra
MXB242	Regression and Design
	emester 2
MXB202	
MXB241	Probability and Stochastic Modelling 2
Year 4 Se	emester 1
MXB341	Statistical Inference
MXB344	Generalised Linear Models
Year 4 Semester 2	
MXB343	Modelling Dependent Data

Research

Year 3 Semester 2

Statistics **Semesters** • Semester 1 (February) **commencements** Year 2 - Semester 1 Year 2 - Semester 2 Year 3 - Semester 1 Year 3 - Semester 2 Year 4, Semester 1 Year 4 - Semester 2 Year 5 - Semester 1 Year 5 - Semester 2 Code Title Semester 1 (February) commencements Year 2 - Semester 1 EGB160 Process Principles Foundations of Engineering EGB161 Chemistry Year 2 - Semester 2 EGB121 Engineering Mechanics Engineering Mathematics and **MZB127** Statistics Year 3 - Semester 1 EGB261 Unit Operations EGB323 Fluid Mechanics Year 3 - Semester 2 EGB263 Process Systems EGB264 Engineering Chemistry Year 4, Semester 1 Research in Engineering EGH404 Practice **Operations Management and** EGB362 **Process Economics** Year 4 - Semester 2 EGB322 Thermodynamics EGB364 Process Modelling Year 5 - Semester 1 EGB361 Minerals Processing EGH408 Research Project EGH463 Process Design Year 5 - Semester 2 EGH422 Heat Transfer EGH423 Fluid Dynamics Sustainable Chemical EGH411 Engineering in Practice EGH462 Process Control

Work Integrated Learning in

MXB348

Semesters

- Semester 1 (February)
- commencements
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4, Semester 1
- Year 4 Semester 2
- Year 5 Semester 1
- Year 5 Semester 2



This information is correct as at 04/10/2022. For the most up-to-date course information, visit https://quitvirtual4.qut.edu.au/group/student/enrolment/courses/course?courseCode=SE40&id=39031. CRICOS No.00213J

Bachelor of Engineering (Honours)/Ba

EGH456 Embedded Systems

CAB432 Cloud Computing

Systems Option Unit

Year 5 - Semester 2

Systems Option Unit

EGH400

-2

Advanced Computer & Software

Research Project 2

EGH455 Advanced Systems Design

Advanced Computer & Software

Code	Title
Semester	1 (February) commencements
Year 2 - S	Semester 1
EGB121	Engineering Mechanics
MZB127	Engineering Mathematics and Statistics
Year 2 - S	Semester 2
EGB123	Civil Engineering Systems
EGB124	Engineering for the Environment
Year 3 - S	Semester 1
EGB270	Civil Engineering Materials
EGB272	Traffic and Transport Engineering
Year 3 - 5	Semester 2
EGB273	Principles of Construction
EGB373	Geotechnical Engineering
Year 4, S	emester 1
EGB275	Structural Mechanics
EGB371	Engineering Hydraulics
Year 4 - S	Semester 2
EGB376	Steel Design
EGH471	Advanced Water Engineering
Year 5 - 5	Semester 1
EGB375	Design of Concrete Structures
EGH400 -1	Research Project 1
	,
EGH404	Research in Engineering Practice
EGH404 EGH473	Research in Engineering
EGH473	Research in Engineering Practice Advanced Geotechnical
EGH473	Research in Engineering Practice Advanced Geotechnical Engineering
EGH473 Year 5 - 5 EGH400	Research in Engineering Practice Advanced Geotechnical Engineering Semester 2
EGH473 Year 5 - 5 EGH400 -2	Research in Engineering Practice Advanced Geotechnical Engineering Semester 2 Research Project 2 Advanced Highway and
EGH473 Year 5 - S EGH400 -2 EGH472 EGH472	Research in Engineering Practice Advanced Geotechnical Engineering Semester 2 Research Project 2 Advanced Highway and Pavement Engineering Advances in Civil Engineering
EGH473 Year 5 - S EGH400 -2 EGH472 EGH472	Research in Engineering Practice Advanced Geotechnical Engineering Semester 2 Research Project 2 Advanced Highway and Pavement Engineering Advances in Civil Engineering Practice
EGH473 Year 5 - S EGH400 -2 EGH472 EGH472 One Adva	Research in Engineering Practice Advanced Geotechnical Engineering Semester 2 Research Project 2 Advanced Highway and Pavement Engineering Advances in Civil Engineering Practice anced Civil Unit from Advanced Concrete
EGH473 Year 5 - S EGH400 -2 EGH472 EGH479 One Adva EGH475	Research in Engineering Practice Advanced Geotechnical Engineering Semester 2 Research Project 2 Advanced Highway and Pavement Engineering Advances in Civil Engineering Practice anced Civil Unit from Advanced Concrete

Semesters

٠	Semester 1	(February)

- <u>commencements</u> ٠
- Year 1 Semester 1 Year 1 - Semester 2 .
- Year 2 Semester 1
- Year 2 Semester 2
- ٠
- Year 3 Semester 1 Year 3 Semester 2 ٠
- Year 4 - Semester 1
- Year 4 Semester 2 ٠ •
- Year 5 Semester 1 Year 5 Semester 2 ٠

Bachelor	of Mathematics	
Code	Title	
Semester	1 (February) commencements	
Year 1 - S	Semester 1	
EGB101	Engineering Design and Professional Practice	
MZB125 Introductory Engineering Mathematics OR MXB161 Computational Explorations. If you have obtained Sound Achievement (or higher) in Mathematical Methods and Specialist Mathematics, you must choose MXB161 Computational Explorations.		
MZB125	Introductory Engineering Mathematics	
OR		
MXB161	Computational Explorations	
Year 1 - S	Semester 2	
EGB102	Fundamentals of Engineering Science	
EGB103	Computing and Data for Engineers	
Year 2 - 5	Semester 1	
CAB201	Programming Principles	
EGB120	Foundations of Electrical Engineering	
Year 2 - 5	Semester 2	
CAB202	Microprocessors and Digital Systems	
MZB127	Engineering Mathematics and Statistics	
Year 3 - S	Semester 1	
EGB242	Signal Analysis	
MZB221	Electrical Engineering Mathematics	
Year 3 - 5	Semester 2	
Intermedi	ate Electrical Option unit	
Year 4 - 5	Semester 1	
CAB301	Algorithms and Complexity	
EGB240	Electronic Design	
Year 4 - S	Semester 2	
CAB240	Information Security	
EGH404	Research in Engineering Practice	
Year 5 - S	Semester 1	
CAB302	Software Development	
EGH400 -1	Research Project 1	
FOLIAFO	Emboddod Svotomo	

Semesters

- Semester 1 (February) commencements
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
 Year 3 Semester 2
- Year 4 Semester 1 Year 4 - Semester 2
- Year 5 Semester 1
 Year 5 Semester 2

<u>Tear 3 - Gernester 2</u>		
Code	Title	
Semester	r 1 (February) commencements	
Year 2 - S	Semester 1	
EGB121	Engineering Mechanics	
MZB127	Engineering Mathematics and Statistics	
Year 2 - S	Semester 2	
CAB202	Microprocessors and Digital Systems	
EGB120	Foundations of Electrical Engineering	
Year 3 - S	Semester 1	
EGB240	Electronic Design	
MZB221	Electrical Engineering Mathematics	
Year 3 - S	Semester 2	
EGB242	Signal Analysis	
Intermedi	ate Electrical Option Unit (1)	
requisite granted if the same		
Year 4 - S	Semester 1	
EGB340	Design and Practice	
EGB241	Electromagnetics and Machines	
Year 4 - S	Semester 2	
EGB341	Energy Supply and Delivery	
Intermedi	ate Electrical Option Unit (2)	
Year 5 - S	Semester 1	
EGH400 -1	Research Project 1	
EGH404	Research in Engineering Practice	
Advanced	d Electrical Option Unit (1)	
Advanced Electrical Option Unit (2)		
	Semester 2	
EGH400 -2	Research Project 2	
Advanced	d Electrical Option Unit (3)	
	d Electrical Option Unit (4)	
Auvanced		

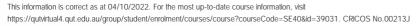
Semesters

• Semester 1 (February)

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- commencements
- Year 2 Semester 1
- Year 2 Semester 2





Bachelor of Engineering (Honours)/Bachelor of Mathematics

 Year 3 - Semester 1 Year 3 - Semester 2 Year 4 - Semester 1 Year 4 - Semester 2 Year 5 - Semester 1 Year 5 - Semester 2 		
Code	Title	
Semester	1 (February) commencements	
Year 2 - S	Semester 1	
EGB120	Foundations of Electrical Engineering	
MZB127	Engineering Mathematics and Statistics	
Year 2 - S	Semester 2	
EGB121	Engineering Mechanics	
CAB202	Microprocessors and Digital Systems	
Year 3 - S	Semester 1	
MZB221	Electrical Engineering Mathematics	
EGB240	Electronic Design	
Year 3 - S	Semester 2	
EGB242	Signal Analysis	
Intermedi Option Ur	ate Electrical and Aerospace	
Year 4 - S	Semester 1	
EGB243	Aircraft Systems and Flight	
EGB349	Systems Engineering and Design Project	
Year 4 - S	Semester 2	
EGB345	Control and Dynamic Systems	
EGB346	Unmanned Aircraft Systems	
Year 5 - S	Semester 1	
EGH400 -1	Research Project 1	
EGH404	Research in Engineering Practice	
EGH445	Modern Control	
Advanced Electrical and Aerospace Option Unit		
Year 5 - S	Semester 2	
EGH400 -2	Research Project 2	
EGH450	Advanced Unmanned Aircraft Systems	
EGH446	Autonomous Systems	
Advanced Electrical and Aerospace Option Unit		

Semesters

- Semester 1 (February)
- commencements
- Year 2 Semester 1 •
- Year 2 Semester 2
- Year 3 Semester 1 Year 3 - Semester 2
- Year 4 Semester 1 ٠
- Year 4 Semester 2 •
- Year 5 - Semester 1

Year 5 - Semester 2

Code	Title
Semester	1 (February) commencements
Year 2 - 5	Semester 1
EGB121	Engineering Mechanics
MZB127	Engineering Mathematics and Statistics
Year 2 - S	Semester 2
EGB120	Foundations of Electrical Engineering
EGB125	Design for Manufacture
Year 3 - S	Semester 1
EGB214	Materials and Manufacturing
EGB314	Solid Mechanics
Year 3 - 5	Semester 2
EGB210	Fundamentals of Mechanical Design
EGB211	Dynamics
Year 4 - 5	Semester 1
EGB321	Dynamics of Machines
EGB323	Fluid Mechanics
Year 4 - S	Semester 2
EGB322	Thermodynamics
EGH404	Research in Engineering Practice
Year 5 - S	Semester 1
EGB316	Design of Machine Elements
EGH400 -1	Research Project 1
EGH414	Stress Analysis
EGH421	Vibration and Control
Year 5 - S	Semester 2
EGH400 -2	Research Project 2
EGH420	Mechanical Systems Design
EGH422	Heat Transfer
EGH423	Fluid Dynamics

Semesters

 <u>Semester 1 (February)</u>
commencements
Year 2 - Semester 1
Year 2 - Semester 2
Year 3 - Semester 1
Year 3 - Semester 2
Year 4 - Semester 1

- Year 4 Semester 2
- Year 5 Semester 1
 Year 5 Semester 2

Code	Title
Semester	1 (February) commencements

Year 2 - Semester 1

EGB121	Engineering Mechanics
MZB127	Engineering Mathematics and Statistics

Year 2 - Semester 2

EGB120 Foundations of Electrical

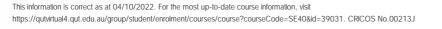
	Engineering
MZB221	Electrical Engineering
IVIZBZZ1	Mathematics
Year 3 - S	Semester 1
EGB242	Signal Analysis
Materials CAB202	Strand unit (EGB214) OR
EGB214	Materials and Manufacturing
OR	5
CAB202	Microprocessors and Digital Systems
Year 3 - S	Semester 2
EGB345	Control and Dynamic Systems
Dynamics CAB202	Strand unit (EGB211) or
EGB211	Dynamics
OR	
CAB202	Microprocessors and Digital Systems
Year 4 - S	Semester 1
EGB220	Mechatronics Design 1
	Strand unit (EGB321) OR Strand unit (EGB314)
EGB321	Dynamics of Machines
OR	
EGB314	Solid Mechanics
Year 4 - S	Semester 2
EGB320	Mechatronics Design 2
	ate Electrical Unit Option
	Semester 1
EGH404	Research in Engineering Practice
EGH419	Mechatronics Design 3
EGH445	Modern Control
Materials	Strand unit (EGH414) OR Electrical Unit Option
	Stress Analysis
OR	-
Advanced	Electrical Option Unit
Year 5 - S	Semester 2
EGH408	Research Project
EGH446	Autonomous Systems
	Strand unit (EGH413) OR Electrical Unit Option
EGH413	Advanced Dynamics
OR	Electrical Option Unit

Semesters

- Semester 1 (February) commencements
- Year 2 Semester 1
 Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
 Year 5 Semester 1

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• Year 5 - Semester 2

CodeTitleSemester1 (February) commencementsYear 2 - Semester 1EGB121Engineering MechanicsMZB127Engineering Mathematics and StatisticsYear 2 - Semester 2EGB120Foundations of Electrical EngineeringEGB125Design for ManufactureYear 3 - Semester 1EGB214Materials and ManufacturingEGB214Solid MechanicsYear 3 - Semester 2EGB210Fundamentals of Mechanical DesignEGB211DynamicsYear 4 - Semester 1EGB323Fluid MechanicsLQB187Human AnatomyYear 4 - Semester 2EGH404Research in Engineering PracticeLSB231PhysiologyYear 5 - Semester 1EGB319Medical Device DesignEGH400 -1Research Project 1EGH404Stress AnalysisEGH405EGH406Year 5 - Semester 2EGH406Research Project 2EGH418BiomaterialsYear 5 - Semester 2EGH400 -2Research Project 2EGH418BiofluidsEGH424BiofluidsEGH435Modelling and Simulation for Medical Engineers				
Year 2 - Semester 1EGB121Engineering MechanicsMZB127Engineering Mathematics and StatisticsYear 2 - Semester 2EGB120Foundations of Electrical EngineeringEGB125Design for ManufactureYear 3 - Semester 1EGB214Materials and ManufacturingEGB314Solid MechanicsYear 3 - Semester 2EGB210Fundamentals of Mechanical DesignEGB211DynamicsYear 4 - Semester 1EGB323Fluid MechanicsLQB187Human AnatomyYear 4 - Semester 2EGH404Research in Engineering PracticeLSB231PhysiologyYear 5 - Semester 1EGB319Medical Device DesignEGH400-1EGH414Stress AnalysisEGH438BiomaterialsYear 5 - Semester 2EGH400Research Project 1EGH418BiomechanicsEGH418BiomechanicsEGH418BiomechanicsEGH418BiomechanicsEGH424BiofluidsFGH435Modelling and Simulation for	Code	Title		
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EGB120EngineeringEGB125Design for ManufactureYear 3 - Semester 1EGB214Materials and ManufacturingEGB214Solid MechanicsYear 3 - Semester 2EGB210Fundamentals of Mechanical DesignEGB211DynamicsYear 4 - Semester 1EGB323Fluid MechanicsLQB187Human AnatomyYear 4 - Semester 2EGH404Research in Engineering PracticeLSB231PhysiologyYear 5 - Semester 1EGB319Medical Device DesignEGH400Research Project 1-1EGH414Stress AnalysisEGH438BiomaterialsYear 5 - Semester 2EGH400Research Project 2EGH418BiomechanicsEGH418BiomechanicsEGH418BiofluidsEGH424BiofluidsEGH425Modelling and Simulation for	Year 2 - S	Semester 2		
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Year 4 - Semester 1EGB323Fluid MechanicsLQB187Human AnatomyYear 4 - Semester 2EGH404Research in Engineering PracticeLSB231PhysiologyYear 5 - Semester 1EGB319Medical Device DesignEGH400Research Project 1-1Stress AnalysisEGH438BiomaterialsYear 5 - Semester 2EGH400-2EGH400Research Project 2EGH418BiomechanicsEGH424BiofluidsEGH435Modelling and Simulation for	EGB210			
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EGH404PracticeLSB231PhysiologyYear 5 - Semester 1EGB319Medical Device DesignEGH400Research Project 1-1EGH414Stress AnalysisEGH438BiomaterialsYear 5 - Semester 2EGH400Research Project 2-2Research Project 2EGH418BiomechanicsEGH424BiofluidsEGH435Modelling and Simulation for	Year 4 - S	Semester 2		
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EGH438BiomaterialsYear 5 - Semester 2EGH400 -2Research Project 2EGH418BiomechanicsEGH424BiofluidsEGH435Modelling and Simulation for		Research Project 1		
Year 5 - Semester 2EGH400 -2Research Project 2EGH418BiomechanicsEGH424BiofluidsEGH435Modelling and Simulation for	EGH414	Stress Analysis		
EGH400 -2Research Project 2EGH418BiomechanicsEGH424BiofluidsEGH435Modelling and Simulation for	EGH438	Biomaterials		
-2 Research Project 2 EGH418 Biomechanics EGH424 Biofluids EGH435 Modelling and Simulation for	Year 5 - 5	Year 5 - Semester 2		
EGH424 Biofluids EGH435 Modelling and Simulation for		Research Project 2		
EGH435 Modelling and Simulation for	EGH418	Biomechanics		
E19H435	EGH424	Biofluids		
	EGH435			

Year	2022
QUT code	SE50
CRICOS	080489G
	0004090
Duration (full-time)	4 years
Duration (part-time domestic)	8 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2022: CSP \$7,800 per year full-time (96 credit points)
International fee (indicative)	2022: \$37,000 per year full-time (96 credit points)
Total credit points	384
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Graham Johnson (Science); Dr Wayne Kelly (Information Technology)
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Year 12 early offer scheme

If you're a current Queensland Year 12 student, you may be eligible to receive an offer for this course on the last day of Queensland Year 12, before receiving your ATAR or selection rank./p>

Find out more about the QUT Year 12 Early Offer Scheme

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Assumed knowledge

 Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English

requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking 6.0	

Course Overview

This double degree prepares you for an increasing range of careers that involve the application of information technology to science. It gives you the ability to use creative as well as analytical methods to solve scientific problems. Studying this double degree allows you to develop the technical skills required for your relevant field of study in science.

The science component of the course offers you the choice of majoring in Biological Sciences, Physics, Chemistry, Environmental Science or Earth Sciences. Theoretical aspects are balanced by strong practical components in this science and information technology double degree. The Information Technology component of this degree offers a choice of majors in Information Systems or Computer Science.

Professional Recognition

This course is accredited by the Australian Computer Society (ACS). ACS accreditation is internationally recognised by the Seoul Accord.

Career Outcomes

Graduates may find roles where they can use their information technology skills within the science discipline. Areas include sensor networks, complex system and scientific modelling, and science. As a graduate, you can expect to work in roles such as a scientific modeller, engineering software developer, scientific programmer, and computational scientist.

Domestic Course structure

Students are required to complete 384 credit points comprised of 192 credit points from the Bachelor of Science program and 192 credit points from the Bachelor of Information Technology program.

Science component:

- 5 Science Core units (60 credit points), includes 1 unit (12 credit points) from the approved list of Option Units.
- 11 Major Core units (132 credit points)

Information

Technology component:

- 6 Information Technology Core units (72 credit points), includes 2 units (24 credit points) of Option Units** selected from an approved list.
- 10 Major Core units (120 credit points)

** Options List - comprises a range of units from which you choose to undertake two (2). You are able to undertake these options in any semester. The options include introductory units from a wide variety of disciplines offered at QUT.

International Course structure

Students are required to complete 384 credit points comprised of 192 credit points from the Bachelor of Science program and 192 credit points from the Bachelor of Information Technology program.



Science component:

- 5 Science Core units (60 credit points), includes 1 unit (12 credit points) from the approved list of Option Units.
- 11 Major Core units (132 credit points)

Information Technology component:

- 6 Information Technology Core units (72 credit points), includes 2 units (24 credit points) of Option Units* selected from an approved list.
- 10 Major Core units (120 credit points)

** Options List - comprises a range of units from which you choose to undertake two (2). You are able to undertake these options in any semester. The options include introductory units from a wide variety of disciplines offered at QUT.

Sample Structure

Semesters

- Semester 1 (February)
- commencements
- Year 1, Semester 1
- Year 1, Semester 2 •
- Year 2, Semester 1 Year 2, Semester 2 ٠
- Year 3, Semester 1
- Year 3, Semester 2 ٠
- Year 4, Semester 1
- Year 4, Semester 2 .
- Semester 2 (July) commencements ٠
- ٠ Year 1, Semester 2
- Year 2, Semester 1 Year 2, Semester 2 •
- ٠
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1 • .
- Year 4, Semester 2
- Year 5, Semester 1

Code	Title	
Semester 1 (February) commencements		
Year 1, Semester 1		
IFB102	Introduction to Computer Systems	
IFB103	IT Systems Design	
Year 1, S	emester 2	
IFB104	Building IT Systems	
IFB105	Database Management	
Year 2, Semester 1		
CAB201	Programming Principles	
IT Core L	Init Option	
Year 2, Semester 2		
CAB202	Microprocessors and Digital Systems	
IT Core Unit Option		
Year 3, Semester 1		
CAB203	Discrete Structures	
CAB302	Software Development	

Year 3, S	emester 2
IFB295	IT Project Management
CAB303	Networks
Year 4, S	emester 1
CAB301	Algorithms and Complexity
IFB398	Capstone Project (Phase 1)
Year 4, S	emester 2
IFB399	Capstone Project (Phase 2)
Select on	e of:
CAB401	High Performance and Parallel Computing
CAB402	Programming Paradigms
CAB403	Systems Programming
CAB420	Machine Learning
Semester	2 (July) commencements
Year 1, S	emester 2
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
IFB104	Building IT Systems
IFB105	Database Management
Year 2, S	
(No IT un	its)
Year 2, S	emester 2
IT Core U	Init Option
	· · · · · · · · · · · · · · · · · · ·
Year 3, S	•
	•
Year 3, S	emester 1
Year 3, S CAB201 CAB202	emester 1 Programming Principles Microprocessors and Digital
Year 3, S CAB201 CAB202	emester 1 Programming Principles Microprocessors and Digital Systems
Year 3, S CAB201 CAB202 Year 3, S	emester 1 Programming Principles Microprocessors and Digital Systems emester 2
Year 3, S CAB201 CAB202 Year 3, S CAB303	emester 1 Programming Principles Microprocessors and Digital Systems emester 2 Networks IT Project Management
Year 3, S CAB201 CAB202 Year 3, S CAB303 IFB295	emester 1 Programming Principles Microprocessors and Digital Systems emester 2 Networks IT Project Management
Year 3, S CAB201 CAB202 Year 3, S CAB303 IFB295 Year 4, S	emester 1 Programming Principles Microprocessors and Digital Systems emester 2 Networks IT Project Management emester 1
Year 3, S CAB201 CAB202 Year 3, S CAB303 IFB295 Year 4, S CAB203 CAB203	emester 1 Programming Principles Microprocessors and Digital Systems emester 2 Networks IT Project Management emester 1 Discrete Structures
Year 3, S CAB201 CAB202 Year 3, S CAB303 IFB295 Year 4, S CAB203 CAB203	emester 1 Programming Principles Microprocessors and Digital Systems emester 2 Networks IT Project Management emester 1 Discrete Structures Algorithms and Complexity
Year 3, S CAB201 CAB202 Year 3, S CAB303 IFB295 Year 4, S CAB203 CAB301 Year 4, S	emester 1 Programming Principles Microprocessors and Digital Systems emester 2 Networks IT Project Management emester 1 Discrete Structures Algorithms and Complexity emester 2 Capstone Project (Phase 1)
Year 3, S CAB201 CAB202 Year 3, S CAB303 IFB295 Year 4, S CAB203 CAB301 Year 4, S IFB398	emester 1 Programming Principles Microprocessors and Digital Systems emester 2 Networks IT Project Management emester 1 Discrete Structures Algorithms and Complexity emester 2 Capstone Project (Phase 1)
Year 3, S CAB201 CAB202 Year 3, S CAB303 IFB295 Year 4, S CAB203 CAB301 Year 4, S IFB398 Year 5, S	emester 1 Programming Principles Microprocessors and Digital Systems emester 2 Networks IT Project Management emester 1 Discrete Structures Algorithms and Complexity emester 2 Capstone Project (Phase 1) emester 1
Year 3, S CAB201 CAB202 Year 3, S CAB303 IFB295 Year 4, S CAB203 CAB301 Year 4, S IFB398 Year 5, S CAB302 IFB399	emester 1 Programming Principles Microprocessors and Digital Systems emester 2 Networks IT Project Management emester 1 Discrete Structures Algorithms and Complexity emester 2 Capstone Project (Phase 1) emester 1 Software Development
Year 3, S CAB201 CAB202 Year 3, S CAB303 IFB295 Year 4, S CAB203 CAB301 Year 4, S IFB398 Year 5, S CAB302 IFB399	emester 1 Programming Principles Microprocessors and Digital Systems emester 2 Networks IT Project Management emester 1 Discrete Structures Algorithms and Complexity emester 2 Capstone Project (Phase 1) emester 1 Software Development Capstone Project (Phase 2) Init Option
Year 3, S CAB201 CAB202 Year 3, S CAB303 IFB295 Year 4, S CAB203 CAB301 Year 4, S IFB398 Year 5, S CAB302 IFB399 IT Core U	emester 1 Programming Principles Microprocessors and Digital Systems emester 2 Networks IT Project Management emester 1 Discrete Structures Algorithms and Complexity emester 2 Capstone Project (Phase 1) emester 1 Software Development Capstone Project (Phase 2) Init Option
Year 3, S CAB201 CAB202 Year 3, S CAB303 IFB295 Year 4, S CAB203 CAB301 Year 4, S IFB398 Year 5, S CAB302 IFB399 IT Core U Select on	emester 1 Programming Principles Microprocessors and Digital Systems emester 2 Networks IT Project Management emester 1 Discrete Structures Algorithms and Complexity emester 2 Capstone Project (Phase 1) emester 1 Software Development Capstone Project (Phase 2) Init Option e of: High Performance and
Year 3, S CAB201 CAB202 Year 3, S CAB303 IFB295 Year 4, S CAB203 CAB301 Year 4, S IFB398 Year 5, S CAB302 IFB399 IT Core U Select on CAB401	emester 1 Programming Principles Microprocessors and Digital Systems emester 2 Networks IT Project Management emester 1 Discrete Structures Algorithms and Complexity emester 2 Capstone Project (Phase 1) emester 1 Software Development Capstone Project (Phase 2) Init Option e of: High Performance and Parallel Computing
Year 3, S CAB201 CAB202 Year 3, S CAB303 IFB295 Year 4, S CAB203 CAB301 Year 4, S IFB398 Year 5, S CAB302 IFB399 IT Core U Select on CAB401 CAB402	emester 1 Programming Principles Microprocessors and Digital Systems emester 2 Networks IT Project Management emester 1 Discrete Structures Algorithms and Complexity emester 2 Capstone Project (Phase 1) emester 1 Software Development Capstone Project (Phase 2) init Option e of: High Performance and Parallel Computing Programming Paradigms
Year 3, S CAB201 CAB202 Year 3, S CAB303 IFB295 Year 4, S CAB203 CAB301 Year 4, S IFB398 Year 5, S CAB302 IFB399 IT Core U Select on CAB401 CAB401 CAB402 CAB403 CAB403 CAB401	emester 1 Programming Principles Microprocessors and Digital Systems emester 2 Networks IT Project Management emester 1 Discrete Structures Algorithms and Complexity emester 2 Capstone Project (Phase 1) emester 1 Software Development Capstone Project (Phase 2) Init Option e of: High Performance and Parallel Computing Programming Paradigms Systems Programming

Semesters

- <u>Semester 1 (February)</u> commencements
- Year 1, Semester 1 • Year 1, Semester 2
- Year 2, Semester 1

	<u>r 4, Semester 1</u>	
 Year 4, Semester 2 Semester 2 (July) commencements 		
 Year 1, Semester 2 		
 Year 2, Semester 1 Year 2, Semester 2 		
• <u>Yea</u>	<u>ir 3, Semester 1</u>	
• <u>Yea</u>	<u>ir 3, Semester 2</u>	
	<u>r 4, Semester 1</u> r 4, Semester 2	
 Year 4, Semester 2 Year 5, Semester 1 		
Code	Title	
	r 1 (February) commencements	
	Semester 1	
	Introduction to Computer	
IFB102	Systems	
IFB103	IT Systems Design	
	Semester 2	
IFB104	Building IT Systems	
IFB105	Database Management	
Year 2, S	Semester 1	
IAB201	Modelling Techniques for	
	Information Systems	
	Jnit Option Semester 2	
rear 2, S	Rapid Web Application	
IAB207	Development	
	Jnit Option	
	Semester 1	
IAB203	Business Process Modelling	
IAB204	Business Requirements Analysis	
Year 3, S	Semester 2	
IAB305	Information Systems Lifecycle Management	
IFB295	IT Project Management	
Year 4, S	Semester 1	
IFB398	Capstone Project (Phase 1)	
Select or	ne of:	
IAB206	Modern Data Management	
IAB260	Social Technologies	
IAB303	Data Analytics for Business Insight	
IAB320	Business Process Improvement	
IAB402	Information Systems Consulting	
Year 4, 5	Semester 2	
IAB401	Enterprise Architecture	
IFB399	Capstone Project (Phase 2)	
	r 2 (July) commencements	
Year 1, S	Semester 2	
IFB102	Introduction to Computer Systems	
IFB103	IT Systems Design	

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Year 2, Semester 2

Year 3, Semester 1

Year 3, Semester 2



IFB104	Building IT Systems	
IFB105	Database Management	
Year 2, S	emester 1	
(No IT un	its)	
Year 2, S	emester 2	
IT Core L	Init Option	
Year 3, S	emester 1	
IAB201	Modelling Techniques for Information Systems	
IAB207	Rapid Web Application Development	
Year 3, S	emester 2	
IAB305	Information Systems Lifecycle Management	
IFB295	IT Project Management	
Year 4, S	emester 1	
IAB203	Business Process Modelling	
IAB204	Business Requirements Analysis	
Year 4, S	emester 2	
IAB401	Enterprise Architecture	
IFB398	Capstone Project (Phase 1)	
Year 5, S	emester 1	
IFB399	Capstone Project (Phase 2)	
IT Core Unit Option		
Select one of:		
IAB206	Modern Data Management	
IAB260	Social Technologies	
IAB303	Data Analytics for Business Insight	
IAB320	Business Process Improvement	
IAB402	Information Systems Consulting	

Semesters

• Semester 1 (February) **commencements** Year 1, Semester 1 • Year 1, Semester 2 Year 2, Semester 1 Year 2, Semester 2 Year 3, Semester 1 ٠ ٠ ٠ Year 3, Semester 2 Year 4, Semester 1 ٠ Year 4, Semester 2 ٠ Semester 2 (July) commencements . ٠ Year 1, Semester 2 Year 2, Semester 1 • Year 2, Semester 2 Year 3, Semester 1 • • • Year 3, Semester 2 . Year 4, Semester 1 Year 4, Semester 2 Year 5, Semester 1 • ٠ Code Title

0000	1110
Semester 1 (February) commencements	
Year 1, Semester 1	
SEB104	Grand Challenges in Science

SEB113	Quantitative Methods in Science	
Year 1 S		
Year 1, Semester 2 Science Core Unit Option		
	Major Unit Option	
	emester 1	
	Experimental Science 1	
SEB116	Experimental Science 2	
	emester 2	
BVB101	Foundations of Biology	
BVB102	Evolution	
Year 3, S	emester 1	
	Experimental Design and	
BVB202	Quantitative Methods	
BVB301	Animal Biology	
Year 3, S	emester 2	
BVB201	Biological Processes	
BVB204	Ecology	
Year 4, S	emester 1	
BVB203	Plant Biology	
BVB305	Microbiology and the	
X		
	emester 2	
BVB304	Integrative Biology	
BVB313	Population Genetics and Molecular Ecology	
Semester	r 2 (July) commencements	
Year 1. S	emester 2	
(No Scier	nce units)	
(No Scier Year 2, S	nce units) emester 1	
(No Scier Year 2, S	nce units) emester 1 Grand Challenges in Science	
(No Scier Year 2, S	nce units) emester 1	
(No Scier Year 2, S SEB104	nce units) emester 1 Grand Challenges in Science Quantitative Methods in	
(No Scier Year 2, S SEB104 SEB113	nce units) emester 1 Grand Challenges in Science Quantitative Methods in Science	
(No Scier Year 2, S SEB104 SEB113 SEB115 SEB116	emester 1 Grand Challenges in Science Quantitative Methods in Science Experimental Science 1	
(No Scier Year 2, S SEB104 SEB113 SEB115 SEB116	emester 1 Grand Challenges in Science Quantitative Methods in Science Experimental Science 1 Experimental Science 2	
(No Scier Year 2, S SEB104 SEB113 SEB115 SEB116 Year 2, S BVB101 BVB102	emester 1 Grand Challenges in Science Quantitative Methods in Science Experimental Science 1 Experimental Science 2 emester 2 Foundations of Biology Evolution	
(No Scier Year 2, S SEB104 SEB113 SEB115 SEB116 Year 2, S BVB101 BVB102 Science I	emester 1 Grand Challenges in Science Quantitative Methods in Science Experimental Science 1 Experimental Science 2 emester 2 Foundations of Biology Evolution Major Unit Option	
(No Scier Year 2, S SEB104 SEB113 SEB115 SEB116 Year 2, S BVB101 BVB102 Science I	emester 1 Grand Challenges in Science Quantitative Methods in Science Experimental Science 1 Experimental Science 2 emester 2 Foundations of Biology Evolution	
(No Scier Year 2, S SEB104 SEB113 SEB115 SEB116 Year 2, S BVB101 BVB102 Science I	emester 1 Grand Challenges in Science Quantitative Methods in Science Experimental Science 1 Experimental Science 2 emester 2 Foundations of Biology Evolution Major Unit Option	
(No Scier Year 2, S SEB104 SEB113 SEB115 SEB116 Year 2, S BVB101 BVB102 Science I Year 3, S BVB202 BVB301	emester 1 Grand Challenges in Science Quantitative Methods in Science Experimental Science 1 Experimental Science 2 emester 2 Foundations of Biology Evolution Major Unit Option emester 1 Experimental Design and Quantitative Methods Animal Biology	
(No Scier Year 2, S SEB104 SEB113 SEB115 SEB116 Year 2, S BVB101 BVB102 Science N Year 3, S BVB202 BVB301 Year 3, S	emester 1 Grand Challenges in Science Quantitative Methods in Science Experimental Science 1 Experimental Science 2 emester 2 Foundations of Biology Evolution Major Unit Option emester 1 Experimental Design and Quantitative Methods Animal Biology emester 2	
(No Scier Year 2, S SEB104 SEB113 SEB115 SEB116 Year 2, S BVB101 BVB102 Science I Year 3, S BVB202 BVB301 Year 3, S BVB201	emester 1 Grand Challenges in Science Quantitative Methods in Science Experimental Science 1 Experimental Science 2 emester 2 Foundations of Biology Evolution Major Unit Option emester 1 Experimental Design and Quantitative Methods Animal Biology emester 2 Biological Processes	
(No Scier Year 2, S SEB104 SEB113 SEB115 SEB116 Year 2, S BVB101 BVB102 Science I Year 3, S BVB202 BVB301 Year 3, S BVB201 BVB204	emester 1 Grand Challenges in Science Quantitative Methods in Science Experimental Science 1 Experimental Science 2 emester 2 Foundations of Biology Evolution Major Unit Option emester 1 Experimental Design and Quantitative Methods Animal Biology emester 2 Biological Processes Ecology	
(No Scier Year 2, S SEB104 SEB113 SEB115 SEB116 Year 2, S BVB101 BVB102 Science N Year 3, S BVB202 BVB301 Year 3, S BVB201 BVB204 Year 4, S	emester 1 Grand Challenges in Science Quantitative Methods in Science Experimental Science 1 Experimental Science 2 emester 2 Foundations of Biology Evolution Major Unit Option emester 1 Experimental Design and Quantitative Methods Animal Biology emester 2 Biological Processes Ecology emester 1	
(No Scier Year 2, S SEB104 SEB113 SEB115 SEB116 Year 2, S BVB101 BVB102 Science I Year 3, S BVB202 BVB301 Year 3, S BVB201 BVB204	emester 1 Grand Challenges in Science Quantitative Methods in Science Experimental Science 1 Experimental Science 2 emester 2 Foundations of Biology Evolution Major Unit Option emester 1 Experimental Design and Quantitative Methods Animal Biology emester 2 Biological Processes Ecology emester 1 Plant Biology	
(No Scier Year 2, S SEB104 SEB113 SEB115 SEB116 Year 2, S BVB101 BVB102 Science I Year 3, S BVB202 BVB301 Year 3, S BVB204 Year 4, S BVB203 BVB203 BVB305	emester 1 Grand Challenges in Science Quantitative Methods in Science Experimental Science 1 Experimental Science 2 emester 2 Foundations of Biology Evolution Major Unit Option emester 1 Experimental Design and Quantitative Methods Animal Biology emester 2 Biological Processes Ecology emester 1 Plant Biology Microbiology and the Environment	
(No Scier Year 2, S SEB104 SEB113 SEB115 SEB116 Year 2, S BVB101 BVB102 Science I Year 3, S BVB202 BVB301 Year 3, S BVB204 Year 4, S BVB203 BVB203 BVB305	emester 1 Grand Challenges in Science Quantitative Methods in Science Experimental Science 1 Experimental Science 2 emester 2 Foundations of Biology Evolution Major Unit Option emester 1 Experimental Design and Quantitative Methods Animal Biology emester 2 Biological Processes Ecology emester 1 Plant Biology Microbiology and the	
(No Scier Year 2, S SEB104 SEB113 SEB115 SEB116 Year 2, S BVB101 BVB102 Science I Year 3, S BVB202 BVB301 Year 3, S BVB204 Year 4, S BVB203 BVB203 BVB305	emester 1 Grand Challenges in Science Quantitative Methods in Science Experimental Science 1 Experimental Science 2 emester 2 Foundations of Biology Evolution Major Unit Option emester 1 Experimental Design and Quantitative Methods Animal Biology emester 2 Biological Processes Ecology emester 1 Plant Biology Microbiology and the Environment emester 2 Integrative Biology	
(No Scier Year 2, S SEB104 SEB113 SEB115 SEB116 Year 2, S BVB101 BVB102 Science N Year 3, S BVB202 BVB301 Year 3, S BVB201 BVB204 Year 4, S BVB203 BVB305 Year 4, S	emester 1 Grand Challenges in Science Quantitative Methods in Science Experimental Science 1 Experimental Science 2 emester 2 Foundations of Biology Evolution Major Unit Option emester 1 Experimental Design and Quantitative Methods Animal Biology emester 2 Biological Processes Ecology emester 1 Plant Biology Microbiology and the Environment emester 2	

Year 5, Semester 1		
Select Sc	ience Core Unit Option here.	
Information Systems major students - Select Science Core Unit Option here. Semesters • Semester 1 (February) commencements • Year 1, Semester 1 • Year 2, Semester 2 • Year 2, Semester 2 • Year 3, Semester 1 • Year 4, Semester 2 • Year 4, Semester 2 • Semester 2 (July) commencements • Year 1, Semester 2 • Year 2, Semester 2 • Year 2, Semester 2 • Year 3, Semester 1 • Year 3, Semester 1 • Year 3, Semester 1 • Year 3, Semester 1		
• Yea	r 4, Semester 1	
	r <u>4, Semester 2</u> r 5, Semester 1	
	Title	
	1 (February) commencements	
	emester 1	
SEB104	Grand Challenges in Science	
SEB113	Quantitative Methods in Science	
Year 1, S	emester 2	
MXB100	Introductory Calculus and Algebra	
Science (Core Unit Option	
Year 2, S	emester 1	
	Experimental Science 1	
	Experimental Science 2	
	emester 2	
	General Chemistry	
CVB102	Chemical Structure and Reactivity	
Year 3. S	emester 1	
CVB201	Inorganic Chemistry	
CVB202	Analytical Chemistry	
	emester 2	
CVB203	Physical Chemistry	
CVB204	Organic Structure and Mechanisms	
Year 4. S	emester 1	
CVB301	Organic Chemistry: Strategies for Synthesis	
CVB302	Applied Physical Chemistry	
	emester 2	
CVB303	Coordination Chemistry	
CVB304	Chemistry Research Project	
	2 (July) commencements	
	emester 2	

Select Science Core Unit Option here or swap with Computer Science Major Unit

Option in Y5S1.

the university for the real world

(No Scier	nce units)
Year 2, S	emester 1
SEB104	Grand Challenges in Science
055440	Quantitative Methods in
SEB113	Science
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, S	emester 2
CVB101	General Chemistry
0) (5 4 6 6	Chemical Structure and
CVB102	Reactivity
MXB100	Introductory Calculus and
	Algebra
Year 3, S	emester 1
CVB201	Inorganic Chemistry
CVB202	Analytical Chemistry
Year 3, S	emester 2
CVB203	Physical Chemistry
CVB204	Organic Structure and
	Mechanisms
Year 4, S	emester 1
CVB301	Organic Chemistry: Strategies
	for Synthesis
CVB302	Applied Physical Chemistry
	emester 2
	Coordination Chemistry
CVB304	Chemistry Research Project
	r Science major students -
	ience Core Unit Option here or Computer Science Major Unit
Option in	
-	emester 1
	on Systems major students -
	ience Core Unit Option here.
Semeste	rs
	ester 1 (February)
	<u>mencements</u> <u>r 1, Semester 1</u>
• Year	r 1, Semester 2
 Year 	r 2, Semester 1
• <u>Yea</u>	r 2, Semester 2
	r <u>3, Semester 1</u> r 3, Semester 2
	r 4, Semester 1
	r 4, Semester 2
	ester 2 (July) commencements r 1, Semester 2
Yea	r 2, Semester 1
	r 2, Semester 2
• <u>Yea</u> • Yea	r <u>3, Semester 1</u> r <u>3, Semester 2</u>
• <u>Yea</u>	r 4, Semester 1
• <u>Year</u>	r <u>4, Semester 2</u>
Year 5, Semester 1	
	Title
	1 (February) commencements
	emester 1
SEB104	Grand Challenges in Science

	Science		
Year 1, S	Year 1, Semester 2		
Science (Core Unit Option		
Science Major Unit Option			
Year 2, S	emester 1		
SEB115	Experimental Science 1		
SEB116	Experimental Science 2		
Year 2, S	emester 2		
ERB101	Earth Systems		
ERB102	Evolving Earth		
Year 3, S	emester 1		
ERB201	Destructive Earth: Natural Hazards		
ERB202	Marine and Atmospheric Systems		
Year 3, S	emester 2		
ERB203	Sedimentary Geology and Stratigraphy		
ERB204	Deforming Earth: Fundamentals of Structural Geology		
Year 4, S	emester 1		
ERB301	Chemical Earth		
ERB302	Applied Geophysics		
Year 4, S	emester 2		
ERB303	Energy Resources and Basin Analysis		
ERB304	Dynamic Earth: Plate Tectonics		
	recionics		
	2 (July) commencements		
	r 2 (July) commencements emester 2		
Year 1, S (No Scier	r 2 (July) commencements emester 2		
Year 1, S (No Scier Year 2, S	r 2 (July) commencements emester 2 nce units)		
Year 1, S (No Scier Year 2, S	r 2 (July) commencements emester 2 nce units) emester 1		
Year 1, S (No Scier Year 2, S SEB104 SEB113 SEB115	r 2 (July) commencements emester 2 ince units) emester 1 Grand Challenges in Science Quantitative Methods in Science Experimental Science 1		
Year 1, S (No Scier Year 2, S SEB104 SEB113 SEB115 SEB116	r 2 (July) commencements emester 2 nce units) emester 1 Grand Challenges in Science Quantitative Methods in Science Experimental Science 1 Experimental Science 2		
Year 1, S (No Scier Year 2, S SEB104 SEB113 SEB115 SEB116 Year 2, S	r 2 (July) commencements emester 2 nce units) emester 1 Grand Challenges in Science Quantitative Methods in Science Experimental Science 1 Experimental Science 2 emester 2		
Year 1, S (No Scier Year 2, S SEB104 SEB113 SEB115 SEB116	r 2 (July) commencements emester 2 nce units) emester 1 Grand Challenges in Science Quantitative Methods in Science Experimental Science 1 Experimental Science 2 emester 2 Earth Systems		
Year 1, S (No Scier Year 2, S SEB104 SEB113 SEB115 SEB116 Year 2, S ERB101 ERB102	r 2 (July) commencements emester 2 nce units) emester 1 Grand Challenges in Science Quantitative Methods in Science Experimental Science 1 Experimental Science 2 emester 2 Earth Systems Evolving Earth		
Year 1, S (No Scier Year 2, S SEB104 SEB113 SEB115 SEB116 Year 2, S ERB101 ERB102 Science N	r 2 (July) commencements emester 2 nce units) emester 1 Grand Challenges in Science Quantitative Methods in Science Experimental Science 1 Experimental Science 2 emester 2 Earth Systems Evolving Earth Major Unit Option		
Year 1, S (No Scier Year 2, S SEB104 SEB113 SEB115 SEB116 Year 2, S ERB101 ERB102 Science N	r 2 (July) commencements emester 2 nce units) emester 1 Grand Challenges in Science Quantitative Methods in Science Experimental Science 1 Experimental Science 2 emester 2 Earth Systems Evolving Earth		
Year 1, S (No Scier Year 2, S SEB104 SEB113 SEB115 SEB116 Year 2, S ERB101 ERB102 Science N	r 2 (July) commencements emester 2 nce units) emester 1 Grand Challenges in Science Quantitative Methods in Science Experimental Science 1 Experimental Science 2 emester 2 Earth Systems Evolving Earth Major Unit Option		
Year 1, S (No Scier Year 2, S SEB104 SEB113 SEB115 SEB116 Year 2, S ERB101 ERB102 Science N Year 3, S ERB201 ERB202	r 2 (July) commencements emester 2 nce units) emester 1 Grand Challenges in Science Quantitative Methods in Science Experimental Science 1 Experimental Science 2 emester 2 Earth Systems Evolving Earth Major Unit Option emester 1 Destructive Earth: Natural Hazards Marine and Atmospheric Systems		
Year 1, S (No Scier Year 2, S SEB104 SEB113 SEB115 SEB116 Year 2, S ERB101 ERB102 Science N Year 3, S ERB201 ERB202	r 2 (July) commencements emester 2 ince units) emester 1 Grand Challenges in Science Quantitative Methods in Science Experimental Science 1 Experimental Science 2 emester 2 Earth Systems Evolving Earth Major Unit Option emester 1 Destructive Earth: Natural Hazards Marine and Atmospheric Systems emester 2		
Year 1, S (No Scier Year 2, S SEB104 SEB113 SEB115 SEB116 Year 2, S ERB101 ERB102 Science N Year 3, S ERB201 ERB202	r 2 (July) commencements emester 2 nce units) emester 1 Grand Challenges in Science Quantitative Methods in Science Experimental Science 1 Experimental Science 2 emester 2 Earth Systems Evolving Earth Major Unit Option emester 1 Destructive Earth: Natural Hazards Marine and Atmospheric Systems		
Year 1, S (No Scier Year 2, S SEB104 SEB113 SEB115 SEB116 Year 2, S ERB101 ERB102 Science N Year 3, S ERB201 ERB202 Year 3, S ERB203 ERB204	r 2 (July) commencements emester 2 nce units) emester 1 Grand Challenges in Science Quantitative Methods in Science Experimental Science 1 Experimental Science 2 emester 2 Earth Systems Evolving Earth Major Unit Option emester 1 Destructive Earth: Natural Hazards Marine and Atmospheric Systems emester 2 Sedimentary Geology and Stratigraphy Deforming Earth: Fundamentals of Structural Geology		
Year 1, S (No Scier Year 2, S SEB104 SEB113 SEB115 SEB116 Year 2, S ERB101 ERB102 Science N Year 3, S ERB201 ERB202 Year 3, S ERB203 ERB204	r 2 (July) commencements emester 2 nce units) emester 1 Grand Challenges in Science Quantitative Methods in Science Experimental Science 1 Experimental Science 2 emester 2 Earth Systems Evolving Earth Major Unit Option emester 1 Destructive Earth: Natural Hazards Marine and Atmospheric Systems emester 2 Sedimentary Geology and Stratigraphy Deforming Earth: Fundamentals of Structural Geology emester 1		
Year 1, S (No Scier Year 2, S SEB104 SEB113 SEB115 SEB116 Year 2, S ERB101 ERB102 Science N Year 3, S ERB201 ERB202 Year 3, S ERB203 ERB204	r 2 (July) commencements emester 2 nce units) emester 1 Grand Challenges in Science Quantitative Methods in Science Experimental Science 1 Experimental Science 2 emester 2 Earth Systems Evolving Earth Major Unit Option emester 1 Destructive Earth: Natural Hazards Marine and Atmospheric Systems emester 2 Sedimentary Geology and Stratigraphy Deforming Earth: Fundamentals of Structural Geology		

	emester 2
ERB303	Energy Resources and Basin Analysis
ERB304	Dynamic Earth: Plate Tectonics
Computer Science major students - Select Science Core Unit Option here or swap with Computer Science Major Unit Option in Y5S1.	
Year 5, S	emester 1
	on Systems major students - ience Core Unit Option here.
Semeste	ers
• <u>Serr</u>	nester 1 (February)
	mencements
	r 1, Semester 1
• <u>Yea</u>	<u>r 1, Semester 2</u> r 2, Semester 1
	r 2, Semester 2
	r 3, Semester 1
 Yea 	r 3, Semester 2
• <u>Yea</u>	r 4, Semester 1
	r 4, Semester 2
	nester 2 (July) commencements
	<u>r 1, Semester 2</u> r 2, Semester 1
	r 2, Semester 2
	r 3, Semester 1
 Yea 	r 3, Semester 2
• <u>Yea</u>	r 4, Semester 1
• <u>Yea</u>	r 4, Semester 2
• <u>Yea</u>	<u>r 5, Semester 1</u>
Code	Title
Semester	1 (February) commencements
Year 1, S	emester 1
SEB104	Grand Challenges in Science
	Quantitative Methods in
SEB113	Science
	00101100
Year 1, S	emester 2
	emester 2
Science (emester 2 Core Unit Option
Science (Science I	emester 2 Core Unit Option Major Unit Option
Science (Science M Year 2, S	emester 2 Core Unit Option Major Unit Option emester 1
Science (Science I Year 2, S SEB115	emester 2 Core Unit Option Major Unit Option emester 1 Experimental Science 1
Science C Science N Year 2, S SEB115 SEB116	emester 2 Core Unit Option Major Unit Option emester 1 Experimental Science 1 Experimental Science 2
Science C Science N Year 2, S SEB115 SEB116	emester 2 Core Unit Option Major Unit Option emester 1 Experimental Science 1
Science C Science N Year 2, S SEB115 SEB116	emester 2 Core Unit Option Major Unit Option emester 1 Experimental Science 1 Experimental Science 2
Science C Science P Year 2, S SEB115 SEB116 Year 2, S ERB101	emester 2 Core Unit Option Major Unit Option emester 1 Experimental Science 1 Experimental Science 2 emester 2 Earth Systems Ecosystems and the
Science C Science P Year 2, S SEB115 SEB116 Year 2, S ERB101 EVB102	emester 2 Core Unit Option Major Unit Option emester 1 Experimental Science 1 Experimental Science 2 emester 2 Earth Systems Ecosystems and the Environment
Science C Science N Year 2, S SEB115 SEB116 Year 2, S ERB101 EVB102	emester 2 Core Unit Option Major Unit Option emester 1 Experimental Science 1 Experimental Science 2 emester 2 Earth Systems Ecosystems and the
Science C Science N Year 2, S SEB115 SEB116 Year 2, S ERB101 EVB102	emester 2 Core Unit Option Major Unit Option emester 1 Experimental Science 1 Experimental Science 2 emester 2 Earth Systems Ecosystems and the Environment
Science C Science I Year 2, S SEB115 SEB116 Year 2, S ERB101 EVB102 Year 3, S	emester 2 Core Unit Option Major Unit Option emester 1 Experimental Science 1 Experimental Science 2 emester 2 Earth Systems Ecosystems and the Environment emester 1 Experimental Design and
Science C Science P Year 2, S SEB115 SEB116 Year 2, S ERB101 EVB102 Year 3, S BVB202 EVB203	emester 2 Core Unit Option Major Unit Option emester 1 Experimental Science 1 Experimental Science 2 emester 2 Earth Systems Ecosystems and the Environment emester 1 Experimental Design and Quantitative Methods Geospatial Information Science
Science C Science P Year 2, S SEB115 SEB116 Year 2, S ERB101 EVB102 Year 3, S BVB202 EVB203 Year 3, S	emester 2 Core Unit Option Major Unit Option emester 1 Experimental Science 1 Experimental Science 2 emester 2 Earth Systems Ecosystems and the Environment emester 1 Experimental Design and Quantitative Methods Geospatial Information Science emester 2
Science C Science I Year 2, S SEB115 SEB116 Year 2, S ERB101 EVB102 Year 3, S BVB202 EVB203 Year 3, S BVB204	emester 2 Core Unit Option Major Unit Option emester 1 Experimental Science 1 Experimental Science 2 emester 2 Earth Systems Ecosystems and the Environment emester 1 Experimental Design and Quantitative Methods Geospatial Information Science emester 2 Ecology
Science C Science P Year 2, S SEB115 SEB116 Year 2, S ERB101 EVB102 Year 3, S BVB202 EVB203 Year 3, S BVB204 EVB302	emester 2 Core Unit Option Major Unit Option emester 1 Experimental Science 1 Experimental Science 2 emester 2 Earth Systems Ecosystems and the Environment emester 1 Experimental Design and Quantitative Methods Geospatial Information Science emester 2 Ecology Environmental Pollution
Science C Science I Year 2, S SEB115 SEB116 Year 2, S ERB101 EVB102 Year 3, S BVB202 EVB203 Year 3, S BVB204 EVB302 Year 4, S	emester 2 Core Unit Option Major Unit Option emester 1 Experimental Science 1 Experimental Science 2 emester 2 Earth Systems Ecosystems and the Environment emester 1 Experimental Design and Quantitative Methods Geospatial Information Science emester 2 Ecology



EVB312 Soils and the Environment

QUI

This information is correct as at 04/10/2022. For the most up-to-date course information, visit https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?courseCode=SE50&id=39032. CRICOS No.00213J

SEB113 Quantitative Methods in

Code Title

	_
Year 4, S	emester 2
ERB310	Groundwater Systems
EVB304	Case Studies in
	Environmental Science
	2 (July) commencements
	emester 2
(No Scier	
Year 2, S	emester 1
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, S	emester 2
ERB101	Earth Systems
EVB102	Ecosystems and the
LVDIUZ	Environment
Science N	Major Unit Option
Year 3, S	emester 1
BVB202	Experimental Design and Quantitative Methods
	Geospatial Information
EVB203	Science
Year 3, S	emester 2
BVB204	Ecology
EVB302	Environmental Pollution
Year 4, S	emester 1
BVB311	Conservation Biology
EVB312	Soils and the Environment
Year 4, S	emester 2
ERB310	Groundwater Systems
EVB304	Case Studies in
EVD304	Environmental Science
	r Science major students - ience Core Unit Option here or

swap with Computer Science Major Unit Option in Y5S1.

Year 5, Semester 1

Information Systems major students -Select Science Core Unit Option here.

Semesters

- Semester 1 (February)
- **commencements**
- Year 1, Semester 1 Year 1, Semester 2
- Year 2, Semester 1
- ٠
- Year 2, Semester 2 Year 3, Semester 1 ٠
- Year 3, Semester 2 •
- Year 4, Semester 1 ٠
- Year 4, Semester 2 •
- Semester 2 (July) commencements ٠
- Year 1, Semester 2
- Year 2, Semester 1 ٠ •
- Year 2, Semester 2 ٠ Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1 .
- Year 4, Semester 2
- Year 5, Semester 1

Semeste	Semester 1 (February) commencements		
Year 1, S	emester 1		
SEB104	Grand Challenges in Science		
SEB113	Quantitative Methods in		
Veer 1 C	Science		
rear r, S	emester 2		
MXB100	Introductory Calculus and Algebra		
Science (Core Unit Option		
Year 2, S	emester 1		
SEB115	Experimental Science 1		
SEB116	Experimental Science 2		
	emester 2		
PVB101	Physics of the Very Large		
PVB102	Physics of the Very Small		
Year 3, S	emester 1		
PVB202	Mathematical Methods in Physics		
PVB203	Experimental Physics		
Year 3, S	emester 2		
PVB200	Computational and Mathematical Physics		
PVB204	Electromagnetism		
	emester 1		
PVB301	Materials and Thermal Physics		
PVB302	Classical and Quantum Physics		
Year 4. S	emester 2		
PVB303	Nuclear and Particle Physics		
PVB304	Physics Research		
Semester	r 2 (July) commencements		
Year 1, S	emester 2		
(No Scier	nce units)		
Year 2, S	emester 1		
SEB104	Grand Challenges in Science		
SEB113	Quantitative Methods in Science		
SEB115	Experimental Science 1		
SEB116	Experimental Science 2		
Year 2, S	emester 2		
MXB100	Introductory Calculus and Algebra		
PVB101	Physics of the Very Large		
PVB102	Physics of the Very Small		
Year <u>3, S</u>	emester 1		
PVB200	Computational and Mathematical Physics		
PVB203	Experimental Physics		
Yea <u>r 3, S</u>	emester 2		
PVB202	Mathematical Methods in Physics		
PVB204	Electromagnetism		
Year 4, S	-		

Materials and Thermal **PVB301** Physics Classical and Quantum **PVB302** Physics Year 4, Semester 2 PVB303 Nuclear and Particle Physics PVB304 Physics Research Computer Science major students -Select Science Core Unit Option here or swap with Computer Science Major Unit Option in Y5S1. Year 5, Semester 1 Information Systems major students -Select Science Core Unit Option here.



Year	2022
QUT code	SE60
CRICOS	084923F
Duration (full-time)	5 years
Duration (part-time domestic)	9 years
ATAR/Selection rank	78.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2022: CSP \$7,300 per year full-time (96 credit points)
International fee (indicative)	2022: \$36,800 per year full-time (96 credit points)
Total credit points	480
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Jacob Coetzee (Engineering); Dr Wayne Kelly (Information Technology)
Discipline Coordinator	Dr Thomas Rainey (Chemical Process), Associate Professor Jonathan Bunker (Civil); Dr Matthew McKague (Computer & Software Systems); Dr Jacob Coetzee (Electrical); Dr Aaron Mcfadyen (Electrical & Aerospace); Dr Wim Dekkers/Professor Ted Steinberg (Mechanical); Associate Professor Luis Alvarez (Mechatronics); Associate Professor Devakar Epari (Medical); Dr Jinglan Zhang (Computer Science); and Dr Erwin Fielt (Information Systems) +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Year 12 early offer scheme

If you're a current Queensland Year 12 student, you may be eligible to receive an offer for this course on the last day of Queensland Year 12, before receiving your ATAR or selection rank

Find out more about the QUT Year 12 Early Offer Scheme

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Assumed knowledge

 Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

To graduate with a Bachelor of Engineering (Honours) in SE60, students are required to complete 288 credit points of course units, as outlined below:

- First year: four (4) core units 48cp + two (2) discipline foundation units 24cp + two (2) option units 24cp (96 credit points)
- Major: one (1) block of eight (8) major units 96cp plus eight (8) honours-level units 96cp (192 credit points).

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x advanced major units 60cp.

To graduate with a Bachelor of Information Technology in SE60, students are required to complete 192 credit points of course units, as outlined below:

- 72 credit points (6 units) of IT Core units, which includes unit from an approved options list.
- 120 credit points (10 units) of Major Core units

International Course

structure

To graduate with a Bachelor of Engineering (Honours) in SE60, students are required to complete 288 credit points of course units, as outlined below:

- First year: four (4) core units 48cp + two (2) discipline foundation units 24cp + two (2) option units 24cp (96 credit points)
- Major: one (1) block of eight (8) major units 96cp plus eight (8) honours-level units 96cp (192 credit points).

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x advanced major units 60cp.

To graduate with a Bachelor of Information Technology in SE60, students are required to complete 192 credit points of course units, as outlined below:

- 72 credit points (6 units) of IT Core units, which includes unit from an approved options list.
- 120 credit points (10 units) of Major Core units

Sample Structure Shared Units

EGB103 will be completed as part of the Engineering component and will contribute to completion requirements of both the Engineering and IT components of the double degree. A replacement unit to be selected from the IT Core Unit Options in the IT component will apply.

Code Title

First semester Feb/July entry

EGB101 Engineering Design and Professional Practice

MZB125 Introductory Engineering Mathematics OR MXB161 Computational Explorations. If you have obtained Sound Achievement (or higher) in Mathematical Methods and Specialist Mathematics, you must choose MXB161 Computational Explorations.

MZB125 Introductory Engineering Mathematics



OR		
MXB161	Computational Explorations	
EGB103	Computing and Data for Engineers	
IFB102	Introduction to Computer Systems	
Second s	emester Feb/July entry	
EGB102	Fundamentals of Engineering Science	
IFB103	IT Systems Design	
IFB105	Database Management	
IFB240	Cyber Security	
Note: From 2023 IFB240 will replace IT Core Unit Option. IFB240 will become core unit.		

PLEASE NOTE:

For students taking the **IT: Computer Science major with Engineering: Computer & Software Systems major**, please refer to the Engineering & IT Units: Computer & Software Systems Major with Computer Science Major (Feb)/(July) structure.

Semesters

- Semester 1 (February)
- commencements
- Year 2, Semester 1
- Year 2, Semester 2
 Year 3, Semester 1
- Year 3, Semester 1
 Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Semester 2 (July) commencements
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Year 5, Semester 1
- <u>Computer Science Major Unit</u>
 <u>Options</u>

Code Title

Semester	1 (February) commer	cements
Year 2, Se	emester 1	

For Engineering students majoring in: Civil, Mechanical, Medical or Process/Chemical Process major -

IT Core Unit Option

IT Core Unit Option

For Engineering students majoring in: Electrical, Electrical & Aerospace or Mechatronics major -

IT Core Unit Option

CAB201 Programming Principles

Year 2, Semester 2

For Engineering students majoring in: Civil, Mechanical, Medical or Process/Chemical Process major -CAB201 Programming Principles

CAB202	Microprocessors and Digital Systems	
(Note: Select CAB202 from the Computer Science Major Option list - this is compulsory in the IT component if majoring in these engineering majors.)		
Electrical	eering students majoring in: , Electrical & Aerospace or nics major -	
IT Core U	Init Option	
Compute	r Science Major Unit Option 1	
in the eng	B202 will be available as core jineering component if majoring engineering majors.)	
	emester 1	
CAB203	Discrete Structures	
CAB302	Software Development	
	emester 2	
CAB303	Networks	
IFB295	IT Project Management	
Year 4, S		
CAB301	Algorithms and Complexity	
IFB398	Capstone Project (Phase 1)	
	emester 2	
IFB399	Capstone Project (Phase 2)	
Compute	r Science Major Unit Option 2	
Semester	2 (July) commencements	
Year 2, S	emester 2	
CAB201	Programming Principles	
IT Core C	option	
Year 3, S	emester 1	
CAB203	Discrete Structures	
Civil, Med	eering students majoring in: chanical, Medical or	
Process/C	Chemical Process major -	
CAB202	Microprocessors and Digital Systems	
For Engineering students majoring in: Electrical, Electrical & Aerospace or Mechatronics major -		
Compute	r Science Major Unit Option 1	
	emester 2	
CAB303	Networks	
IFB295	IT Project Management	
	emester 1	
CAB301	Algorithms and Complexity	
CAB302	Software Development	
	emester 2	
IFB398		
	Capstone Project (Phase 1)	

Computer Science Major Unit Option 2

Year 5, Semester 1

IFB399 Capstone Project (Phase 2) Computer Science Major Unit Option 2 OR

This information is correct as at 04/10/2022. For the most up-to-date course information, visit https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?courseCode=SE60&id=39033. CRICOS No.00213J

selected previously.)		
Computer	r Science Major Unit Options	
CAB202	Microprocessors and Digital Systems	
Engineeri Software & Aerospa you will co	is CORE unless your ng major is in Computer & Systems, Electrical, Electrical ace or Mechatronics in which omplete CAB202 in your ng component.)	
CAB220	Fundamentals of Data Science	
CAB320	Artificial Intelligence	
CAB340	Cryptography	
CAB401	High Performance and Parallel Computing	
CAB402	Programming Paradigms	
CAB403	Systems Programming	
CAB420	Machine Learning	
CAB430	Data and Information Integration	
CAB432	Cloud Computing	
CAB440	Network and Systems Administration	
Semesters Semester 1 (February) 		

(Select IT Core Unit Option here, if not

IT Core Unit Option

- commencements
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Semester 2 (July) commencements
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Year 5, Semester 1

Code Title Semester 1 (February) commencements Year 2, Semester 1 **IT Core Unit Option** IT Core Unit Option Year 2, Semester 2 Modelling Techniques for IAB201 Information Systems **Rapid Web Application IAB207** Development Year 3, Semester 1 IAB203 **Business Process Modelling Business Requirements** IAB204 Analysis Year 3, Semester 2 Information Systems Lifecycle IAB305 Management



Year 4, Semester 1IFB398Capstone Project (Phase 1)Select orof:IAB206Modern Data ManagementIAB200Social TechnologiesIAB303Data Analytics for Business InsightIAB303Business Process ImprovementIAB402Information Systems ConsultingYear 4, Semester 2IAB401Enterprise ArchitectureIFB399Capstone Project (Phase 2)Semester 2July) commencementsYear 2, Semester 2IAB201Modelling Techniques for Information SystemsIT Core Unit OptionYear 3, Semester 1IAB204Business Requirements AnalysisIAB207Rapid Web Application DevelopmentYear 3, Semester 2IAB305Information Systems Lifecycle ManagementIT Core Unit OptionYear 4, Semester 2IAB305Information Systems Lifecycle ManagementIAB207Rapid Web Application DevelopmentYear 3, Semester 2IAB305Information Systems Lifecycle ManagementIAB305Information Systems Lifecycle ManagementIT Core Unit OptionYear 4, Semester 2IAB401Enterprise ArchitectureIFB398Capstone Project (Phase 1)Year 5, Semester 1IAB401Enterprise ArchitectureIFB398Capstone Project (Phase 2)Select ONE of:IAB403Data Analytics for BusinessIAB404Social TechnologiesIAB303Data Analytics for Business <th>IFB295</th> <th>IT Project Management</th>	IFB295	IT Project Management
Select one of:IAB206Modern Data ManagementIAB200Social TechnologiesIAB303Data Analytics for Business InsightIAB303Data Analytics for Business InsightIAB304Business Process ImprovementIAB402Information Systems ConsultingYear 4, Semester 2IAB401Enterprise ArchitectureIFB399Capstone Project (Phase 2)Semester 2 (July) commencementsYear 2, Semester 2IAB201Modelling Techniques for Information SystemsIT Core U-It OptionYear 3, Semester 1IAB204Business Requirements AnalysisIAB207Rapid Web Application DevelopmentYear 3, Semester 2IAB305Information Systems Lifecycle ManagementIT Core U-It OptionYear 4, Semester 1IAB203Business Process ModellingIFB295IT Project ManagementYear 4, Semester 2IAB401Enterprise ArchitectureIFB398Capstone Project (Phase 1)Year 4, Semester 2IAB401Enterprise ArchitectureIFB398Capstone Project (Phase 2)Select O-EFIAB206Modern Data ManagementIAB207Data Analytics for Business InsightIAB303Data Analytics for Business InsightIAB204Information Systems	Year 4, S	emester 1
IAB206Modern Data ManagementIAB260Social TechnologiesIAB303Data Analytics for Business InsightIAB303Business Process ImprovementIAB402Information Systems ConsultingYear 4, Swester 2IAB401Enterprise ArchitectureIFB399Capstone Project (Phase 2)Semester 2 (July) commencementsYear 2, Swester 2IAB201Modelling Techniques for Information SystemsYear 3, Swester 1IAB204Business Requirements AnalysisIAB207Rapid Web Application DevelopmentYear 3, Swester 2IAB207Information Systems Lifecycle ManagementIAB207Information Systems Lifecycle ManagementIAB203Information Systems Lifecycle ManagementYear 4, Swester 1IAB203Business Process Modelling IFB295IT Project ManagementYear 4, Swester 2IAB401Enterprise ArchitectureIFB398Capstone Project (Phase 1)Year 4, Swester 2IAB401Enterprise ArchitectureIFB398Capstone Project (Phase 2)Select OVE of:IAB206Modern Data ManagementIAB207Data Analytics for Business InsightIAB303Data Analytics for Business InsightIAB303Data Analytics for Business InsightIAB303Data Analytics for Business InsightIAB304Information Systems	IFB398	Capstone Project (Phase 1)
IAB200Increasing straining systemsIAB200Social TechnologiesIAB303Data Analytics for Business InsightIAB300Business Process ImprovementIAB402Information Systems ConsultingYear 4, Semester 2IAB401Enterprise ArchitectureIFB399Capstone Project (Phase 2)Semester 2 (July) commencementsYear 2, Semester 2IAB201Modelling Techniques for Information SystemsIT Core Unit OptionYear 3, Semester 1IAB204Business Requirements AnalysisIAB207Rapid Web Application DevelopmentYear 3, Semester 2IAB305Information Systems Lifecycle ManagementIT Core Unit OptionYear 4, Semester 1IAB305Information Systems Lifecycle ManagementIT Core Unit OptionYear 4, Semester 1IAB203Business Process Modelling IFB295IT Project ManagementYear 4, Semester 2IAB401Enterprise ArchitectureIFB398Capstone Project (Phase 1)Year 4, Semester 2IAB401Enterprise ArchitectureIFB398Capstone Project (Phase 2)Select OVE of:IAB206Modern Data ManagementIAB207Data Analytics for Business InsightIAB303Data Analytics for Business InsightIAB304Information Systems	Select on	e of:
IAB303Data Analytics for Business InsightIAB320Business Process ImprovementIAB402Information Systems ConsultingYear 4, S==ster 2IAB401Enterprise ArchitectureIFB399Capstone Project (Phase 2)Semester 2 (July) commencementsYear 2, S==ster 2IAB201Modelling Techniques for Information SystemsIT Core UOptionYear 3, S==ster 1IAB204Business Requirements AnalysisIAB207Rapid Web Application DevelopmentYear 3, S==ster 2IAB305Information Systems Lifecycle ManagementIAB207Information Systems Lifecycle ManagementIAB305Information Systems Lifecycle ManagementIAB203Business Process Modelling IFB295IF Core UOptionYear 4, S==ster 1IAB203Business Process Modelling IFB295IFB398Capstone Project (Phase 1)Year 5, S==ster 1IAB401Enterprise ArchitectureIFB399Capstone Project (Phase 2)Select OVEof:IAB206Modern Data ManagementIAB207Data Analytics for Business InsightIAB303Data Analytics for Business InsightIAB303Data Analytics for Business ImprovementIAB303Data Analytics for Business InsightIAB304Information Systems	IAB206	Modern Data Management
IAB303InsightIAB320Business Process ImprovementIAB402Information Systems ConsultingYear 4, S==ster 2IAB401Enterprise ArchitectureIFB399Capstone Project (Phase 2)Semester 2July) commencementsYear 2, S==ster 2IAB201Modelling Techniques for Information SystemsIT Core Unit OptionYear 3, S==ster 1IAB204Business Requirements AnalysisIAB207Rapid Web Application DevelopmentYear 3, S==ster 2IAB305Information Systems Lifecycle ManagementIT Core Unit OptionYear 4, S==ster 1IAB203Business Process ModellingIFB295IT Project ManagementYear 4, S==ster 2IAB401Enterprise ArchitectureIFB398Capstone Project (Phase 1)Year 5, S==ster 1IAB401Enterprise ArchitectureIFB399Capstone Project (Phase 2)Select OVEof:IAB206Modern Data ManagementIAB207Data Analytics for BusinessIAB303Data Analytics for BusinessIAB303Data Analytics for BusinessIAB304Information Systems	IAB260	Social Technologies
IAB320ImprovementIAB402Information Systems ConsultingYear 4, Swester 2IAB401Enterprise ArchitectureIFB399Capstone Project (Phase 2)Semester 2 (July) commencementsYear 2, Swester 2IAB201Modelling Techniques for Information SystemsIT Core UNT OptionYear 3, Swester 1IAB204Business Requirements AnalysisIAB207Rapid Web Application DevelopmentYear 3, Swester 2IAB305Information Systems Lifecycle ManagementIAB305Information Systems Lifecycle ManagementIT Core UNT OptionYear 4, Swester 1IAB203Business Process Modelling IFB295IFB295IT Project ManagementYear 4, Swester 2IAB401Enterprise ArchitectureIFB398Capstone Project (Phase 1)Year 5, Swester 1IFB399Capstone Project (Phase 2)Select OVE of:IAB206Modern Data ManagementIAB207Data Analytics for Business InsightIAB303Information Systems	IAB303	
IAB402ConsultingYear 4, Semester 2IAB401Enterprise ArchitectureIFB399Capstone Project (Phase 2)Semester 2(July) commencementsYear 2, Semester 2IAB201Modelling Techniques for Information SystemsIT Core Unit OptionYear 3, Semester 1IAB204Business Requirements AnalysisIAB207Rapid Web Application DevelopmentYear 3, Semester 2IAB207Information Systems Lifecycle ManagementIAB207Information Systems Lifecycle ManagementYear 4, Semester 1IAB203Business Process ModellingIFB295IT Project ManagementYear 4, Semester 2IAB401Enterprise ArchitectureIFB398Capstone Project (Phase 1)Year 5, Semester 1IAB401Enterprise ArchitectureIFB398Capstone Project (Phase 2)Select OVE of:IAB206Modern Data ManagementIAB207Data Analytics for BusinessIAB303Data Analytics for BusinessIAB303InsightIAB304Information Systems	IAB320	Improvement
IAB401Enterprise ArchitectureIFB399Capstone Project (Phase 2)Semester 2(July) commencementsYear 2, Swester 2IAB201Modelling Techniques for Information SystemsIT Core Unit OptionYear 3, Swester 1IAB204Business Requirements AnalysisIAB207Rapid Web Application DevelopmentYear 3, Swester 2IAB207Information Systems Lifecycle ManagementIAB305Information Systems Lifecycle ManagementIT Core Unit OptionYear 4, Swester 1IAB203Business Process ModellingIFB295IT Project ManagementYear 4, Swester 2IAB401Enterprise ArchitectureIFB398Capstone Project (Phase 1)Year 5, Swester 1IFB399Capstone Project (Phase 2)Select OVE of:IAB206Modern Data ManagementIAB207Data Analytics for BusinessIAB303Data Analytics for BusinessIAB303InsightIAB304Information Systems	IAB402	
IFB399Capstone Project (Phase 2)IFB399Capstone Project (Phase 2)Semester 2July) commencementsYear 2, Semester 2IAB201Modelling Techniques for Information SystemsIT Core Unit OptionYear 3, Semester 1IAB204Business Requirements AnalysisIAB207Rapid Web Application DevelopmentYear 3, Semester 2IAB305Information Systems Lifecycle ManagementIT Core Unit OptionYear 4, Semester 1IAB203Business Process Modelling IFB295IFB295IT Project ManagementYear 4, Semester 2IAB401Enterprise ArchitectureIFB398Capstone Project (Phase 1)Year 5, Semester 1IFB399Capstone Project (Phase 2)Select OVE of:IAB206Modern Data ManagementIAB207Data Analytics for Business InsightIAB303Data Analytics for Business InsightIAB320Information Systems	Year 4, S	emester 2
Semester 2 (July) commencementsYear 2, Sumester 2IAB201Modelling Techniques for Information SystemsIT Core Unit OptionYear 3, Sumester 1IAB204Business Requirements AnalysisIAB207Rapid Web Application DevelopmentYear 3, Sumester 2IAB305Information Systems Lifecycle ManagementIT Core Unit OptionYear 4, Sumester 1IAB203Business Process ModellingIFB295IT Project ManagementYear 4, Sumester 2IAB401Enterprise ArchitectureIFB398Capstone Project (Phase 1)Year 5, Sumester 1IAB206Modern Data ManagementIAB207Data Analytics for BusinessIAB303Data Analytics for BusinessIAB303InsightIAB320Information Systems	IAB401	Enterprise Architecture
Year 2, Semester 2IAB201Modelling Techniques for Information SystemsIT Core Unit OptionYear 3, Semester 1IAB204Business Requirements AnalysisIAB207Rapid Web Application DevelopmentYear 3, Semester 2IAB305Information Systems Lifecycle ManagementIT Core Unit OptionYear 4, Semester 1IAB203Business Process ModellingIFB295IT Project ManagementYear 4, Semester 2IAB401Enterprise ArchitectureIFB398Capstone Project (Phase 1)Year 5, Semester 1IFB399Capstone Project (Phase 2)Select OVE of:IAB206Modern Data ManagementIAB207Data Analytics for BusinessIAB303Data Analytics for BusinessIAB304Information Systems	IFB399	Capstone Project (Phase 2)
IAB201Modelling Techniques for Information SystemsIT CoreUtoptionYear 3, Senester 1IAB204Business Requirements AnalysisIAB207Rapid Web Application DevelopmentYear 3, Senester 2IAB305Information Systems Lifecycle ManagementIT CoreUtoptionYear 4, Senester 1IAB203Business Process ModellingIFB295IT Project ManagementIFB295IT Project ManagementYear 4, Senester 2IAB401Enterprise ArchitectureIFB398Capstone Project (Phase 1)Year 5, Senester 1IFB399Capstone Project (Phase 2)Select OVE of:IAB206Modern Data ManagementIAB207Data Analytics for BusinessIAB303Data Analytics for BusinessIAB304InsightIAB320Information Systems	Semester	2 (July) commencements
IAB201Information SystemsIT Core Unit OptionYear 3, Semester 1IAB204Business Requirements AnalysisIAB207Rapid Web Application DevelopmentYear 3, Semester 2IAB305Information Systems Lifecycle ManagementIAB305Information Systems Lifecycle ManagementIT Core Unit OptionYear 4, Semester 1IAB203Business Process Modelling IFB295IFB295IT Project ManagementYear 4, Semester 2IAB401Enterprise ArchitectureIFB398Capstone Project (Phase 1)Year 5, Semester 1IFB399Capstone Project (Phase 2)Select ONE of:IAB206Modern Data ManagementIAB207Data Analytics for Business InsightIAB303Data Analytics for Business InsightIAB320Information Systems	Year 2, S	emester 2
Year 3, Semester 1IAB204Business Requirements AnalysisIAB207Rapid Web Application DevelopmentYear 3, Semester 2IAB305Information Systems Lifecycle ManagementIT Core Unit OptionYear 4, Semester 1IAB203Business Process ModellingIFB295IT Project ManagementYear 4, Semester 2IAB401Enterprise ArchitectureIFB398Capstone Project (Phase 1)Year 5, Semester 1IFB399Capstone Project (Phase 2)Select ONE of:IAB206Modern Data ManagementIAB207Data Analytics for Business InsightIAB303Data Analytics for Business InsightIAB320Information Systems	IAB201	
IAB204Business Requirements AnalysisIAB207Rapid Web Application DevelopmentYear 3, S==ster 2IAB305Information Systems Lifecycle ManagementIAB305Information Systems Lifecycle ManagementIT Core Unit OptionYear 4, S==ster 1IAB203Business Process Modelling IFB295IFB295IT Project ManagementYear 4, S==ster 2IAB401Enterprise ArchitectureIFB398Capstone Project (Phase 1)Year 5, S==ster 1IFB399Capstone Project (Phase 2)Select OVE of:IAB206Modern Data ManagementIAB208Data Analytics for Business InsightIAB303Business Process InsightIAB320Information Systems	IT Core U	Init Option
IAB204AnalysisIAB207Rapid Web Application DevelopmentYear 3, Semester 2IAB305Information Systems Lifecycle ManagementIAB305Information Systems Lifecycle ManagementIT Core Unit OptionYear 4, Semester 1IAB203Business Process ModellingIFB295IT Project ManagementYear 4, Semester 2IAB401Enterprise ArchitectureIFB398Capstone Project (Phase 1)Year 5, Semester 1IFB399Capstone Project (Phase 2)Select ONE of:IAB206Modern Data ManagementIAB207Data Analytics for Business InsightIAB303Business Process InsightIAB320Information Systems	Year 3, S	emester 1
IAB207DevelopmentYear 3, Semester 2IAB305Information Systems Lifecycle ManagementIT Core Unit OptionYear 4, Semester 1IAB203Business Process ModellingIFB295IT Project ManagementYear 4, Semester 2IAB401Enterprise ArchitectureIFB398Capstone Project (Phase 1)Year 5, Semester 1IFB399Capstone Project (Phase 2)Select ONE of:IAB206Modern Data ManagementIAB207Data Analytics for Business InsightIAB303Business Process ImprovementIAB402Information Systems	IAB204	-
IAB305Information Systems Lifecycle ManagementIT CoreIt OptionYear 4, Semester 1IAB203Business Process ModellingIFB295IT Project ManagementYear 4, Semester 2IAB401Enterprise ArchitectureIFB398Capstone Project (Phase 1)Year 5, Semester 1IFB399Capstone Project (Phase 2)Select OVE of:IAB206Modern Data ManagementIAB208Data Analytics for Business InsightIAB303Business Process ImprovementIAB320Information Systems	IAB207	
IAB303ManagementIT Core Unit OptionYear 4, Semester 1IAB203Business Process ModellingIFB295IT Project ManagementYear 4, Semester 2IAB401Enterprise ArchitectureIFB398Capstone Project (Phase 1)Year 5, Semester 1IFB399Capstone Project (Phase 2)Select ONE of:IAB206Modern Data ManagementIAB207Data Analytics for BusinessIAB303Data Analytics for BusinessIAB320Business ProcessInformation SystemsInformation Systems	Year 3, S	emester 2
Year 4, Semester 1IAB203Business Process ModellingIFB295IT Project ManagementYear 4, Semester 2IAB401Enterprise ArchitectureIFB398Capstone Project (Phase 1)Year 5, Semester 1IFB399Capstone Project (Phase 2)Select ONE of:IAB206Modern Data ManagementIAB206Social TechnologiesIAB303Data Analytics for Business InsightIAB320Business Process ImprovementIAB402Information Systems	IAB305	
IAB203Business Process ModellingIFB295IT Project ManagementYear 4, Semester 2IAB401Enterprise ArchitectureIFB398Capstone Project (Phase 1)Year 5, Semester 1IFB399Capstone Project (Phase 2)Select ONE of:IAB206Modern Data ManagementIAB206Social TechnologiesIAB303Data Analytics for Business InsightIAB320Business Process ImprovementIAB402Information Systems	IT Core U	Init Option
IFB295IT Project ManagementYear 4, Semester 2IAB401Enterprise ArchitectureIFB398Capstone Project (Phase 1)Year 5, Semester 1IFB399Capstone Project (Phase 2)Select ONE of:IAB206Modern Data ManagementIAB260Social TechnologiesIAB303Data Analytics for Business InsightIAB320Business Process ImprovementIAB402Information Systems	Year 4, S	emester 1
Year 4, Semester 2IAB401Enterprise ArchitectureIFB398Capstone Project (Phase 1)Year 5, Semester 1IFB399Capstone Project (Phase 2)Select ONE of:IAB206Modern Data ManagementIAB260Social TechnologiesIAB303Data Analytics for Business InsightIAB320Business Process ImprovementIAB402Information Systems	IAB203	Business Process Modelling
IAB401Enterprise ArchitectureIFB398Capstone Project (Phase 1)Year 5, Semester 1IFB399Capstone Project (Phase 2)Select ONE of:IAB206Modern Data ManagementIAB260Social TechnologiesIAB303Data Analytics for Business InsightIAB320Business Process ImprovementIAB402Information Systems	IFB295	IT Project Management
IFB398Capstone Project (Phase 1)Year 5, Semester 1IFB399Capstone Project (Phase 2)Select ONE of:IAB206Modern Data ManagementIAB260Social TechnologiesIAB303Data Analytics for Business InsightIAB320Business Process ImprovementIAB402Information Systems	Year 4, S	emester 2
Year 5, Semester 1IFB399Capstone Project (Phase 2)Select ONE of:IAB206Modern Data ManagementIAB260Social TechnologiesIAB303Data Analytics for Business InsightIAB320Business Process ImprovementIAB402Information Systems	IAB401	Enterprise Architecture
IFB399Capstone Project (Phase 2)Select ONE of:IAB206Modern Data ManagementIAB260Social TechnologiesIAB303Data Analytics for Business InsightIAB320Business Process ImprovementIAB402Information Systems	IFB398	Capstone Project (Phase 1)
Select ONE of:IAB206Modern Data ManagementIAB260Social TechnologiesIAB303Data Analytics for Business InsightIAB320Business Process ImprovementIAB402Information Systems	Year 5, S	emester 1
IAB206Modern Data ManagementIAB260Social TechnologiesIAB303Data Analytics for Business InsightIAB320Business Process ImprovementIAB402Information Systems	IFB399	Capstone Project (Phase 2)
IAB260Social TechnologiesIAB303Data Analytics for Business InsightIAB320Business Process ImprovementIAB402Information Systems	Select ON	NE of:
IAB303Data Analytics for Business InsightIAB320Business Process ImprovementIAB402Information Systems	IAB206	Modern Data Management
IAB303 Insight IAB320 Business Process Improvement IAB402 Information Systems	IAB260	
IAB320 Improvement IAB402 Information Systems	IAB303	
	IAB320	
	IAB402	

Semesters

- Semester 1 (February)
- commencements
- Year 2 Semester 1 Year 2 - Semester 2
- Year 3 Semester 1 ٠
- Year 3 Semester 2
- Year 4, Semester 1
- ٠
- Year 4 Semester 2 Year 5 Semester 1 ٠
- Year 5 Semester 2 •

Code	Title
Semester	1 (February) commencements
Year 2 - 8	Semester 1
EGB160	Process Principles
EGB161	Foundations of Engineering Chemistry
Year 2 - 8	Semester 2
EGB121	Engineering Mechanics
MZB127	Engineering Mathematics and Statistics
Year 3 - S	Semester 1
EGB261	Unit Operations
EGB323	Fluid Mechanics
Year 3 - S	Semester 2
EGB263	Process Systems
EGB264	Engineering Chemistry
Year 4, S	emester 1
EGH404	Research in Engineering Practice
EGB362	Operations Management and Process Economics
Year 4 - S	Semester 2
EGB322	Thermodynamics
EGB364	Process Modelling
Year 5 - 5	Semester 1
EGB361	Minerals Processing
EGH408	Research Project
EGH463	Process Design
Year 5 - Semester 2	
EGH422	Heat Transfer
EGH423	Fluid Dynamics
EGH411	Sustainable Chemical Engineering in Practice
EGH462	Process Control

Semesters

- Semester 1 (February) <u>commencements</u>
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
 Year 4, Semester 1
- Year 4 Semester 2
- Year 5 Semester 1
- Year 5 Semester 2

Code	Title		
Semester	Semester 1 (February) commencements		
Year 2 - S	Semester 1		
EGB121	Engineering Mechanics		
MZB127	Engineering Mathematics and Statistics		
Year 2 - Semester 2			
EGB123	Civil Engineering Systems		
EGB124	Engineering for the Environment		
Year 3 - Semester 1			

EGB270	Civil Engineering Materials	
EGB272	Traffic and Transport	
	Engineering	
Year 3 - S	Semester 2	
EGB273	Principles of Construction	
EGB373	Geotechnical Engineering	
Year 4, S	emester 1	
EGB275	Structural Mechanics	
EGB371	Engineering Hydraulics	
Year 4 - S	Semester 2	
EGB376	Steel Design	
EGH471	Advanced Water Engineering	
Year 5 - S	Semester 1	
EGB375	Design of Concrete Structures	
EGH400 -1	Research Project 1	
-1		
EGH404	Research in Engineering Practice	
EGH473	Advanced Geotechnical	
	Engineering	
	Semester 2	
EGH400 -2	Research Project 2	
EGH472	Advanced Highway and	
	Pavement Engineering	
EGH479	Advances in Civil Engineering Practice	
One Advanced Civil Unit from		
EGH475	Advanced Concrete Structures	
OR		
EGH476	Advanced Water and Wastewater Engineering	

Semesters

- Semester 1 (February) **commencements**
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- •
- Year 4 Semester 2 Year 5 Semester 1 •
- Year 5 Semester 2

Code	Title	
Semester 1 (February) commencements		
Year 2 - S	Semester 1	
EGB120	Foundations of Electrical Engineering	
MZB127	Engineering Mathematics and Statistics	
CAB201	Programming Principles	
IT Core Option Unit		
Year 2 - Semester 2		
CAB240	Information Security	
MZB221	Electrical Engineering Mathematics	



CAB202	Microprocessors and Digital Systems
IT Core C	Option Unit
Year 3 - S	Semester 1
EGB240	Electronic Design
EGB242	Signal Analysis
CAB203	Discrete Structures
CAB302	Software Development
Year 3 - S	Semester 2
CAB403	Systems Programming
Intermedi	ate Electrial Option unit
CAB303	Networks
IFB295	IT Project Management
Year 4 - S	Semester 1
CSS Unit	Option
CAB301	Algorithms and Complexity
IFB398	Capstone Project (Phase 1)
Compute	r Science Unit Option
Year 4 - S	Semester 2
EGH404	Research in Engineering Practice
CAB401	High Performance and Parallel Computing
IFB399	Capstone Project (Phase 2)
	ate Software and Intermediate Unit Option
Year 5 - S	Semester 1
EGH400 -1	Research Project 1
EGH456	Embedded Systems
CSS Unit	Option
Advanced	Electrical Unit Option
Year 5 - S	Semester 2
CAB432	Cloud Computing
EGH400 -2	Research Project 2
EGH455	Advanced Systems Design
Advanced Unit Optic	CSS and Advanced Electrical

Semesters

- Semester 1 (February) commencements
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2 Year 3 Semester 1 •
- ٠
- Year 3 Semester 2 • .
- Year 4 Semester 1 •
- Year 4 Semester 2 Year 5 Semester 1 Year 5 Semester 2 .

Code Title

0000	110
Semester 1 (February) commencements	
Year 1 - Semester 1	
EGB101	Engineering Design and Professional Practice

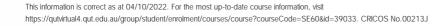
MZB125 Introductory Engineering Mathematics OR MXB161			
Computational Explorations. If you have			
obtained Sound Achievement (or higher) in Mathematical Methods and Specialist			
	tics, you must choose MXB161		
	tional Explorations.		
-	Introductory Engineering		
MZB125	Mathematics		
OR			
MXB161	Computational Evalurations		
-	Computational Explorations		
Year 1 - S	Semester 2		
EGB102	Fundamentals of Engineering Science		
EGB103	Computing and Data for		
	Engineers		
Year 2 - S	Semester 1		
CAB201	Programming Principles		
EOD400	Foundations of Electrical		
EGB120	Engineering		
Year 2 - S	Semester 2		
	Microprocessors and Digital		
CAB202	Systems		
MZB127	Engineering Mathematics and Statistics		
Year 3 - S	Semester 1		
EGB242	Signal Analysis		
	Electrical Engineering		
MZB221	Mathematics		
	Mathematics		
Year 3 - S	Mathematics Semester 2		
Year 3 - S Intermedi	Mathematics Semester 2 ate Electrical Option unit		
Year 3 - S Intermedi Year 4 - S	Mathematics Semester 2 ate Electrical Option unit Semester 1		
Year 3 - S Intermedi Year 4 - S CAB301	Mathematics Semester 2 ate Electrical Option unit Semester 1 Algorithms and Complexity		
Year 3 - S Intermedi Year 4 - S	Mathematics Semester 2 ate Electrical Option unit Semester 1		
Year 3 - S Intermedi Year 4 - S CAB301 EGB240	Mathematics Semester 2 ate Electrical Option unit Semester 1 Algorithms and Complexity		
Year 3 - S Intermedi Year 4 - S CAB301 EGB240 Year 4 - S	Mathematics Semester 2 ate Electrical Option unit Semester 1 Algorithms and Complexity Electronic Design		
Year 3 - S Intermedi Year 4 - S CAB301 EGB240 Year 4 - S	Mathematics Semester 2 ate Electrical Option unit Semester 1 Algorithms and Complexity Electronic Design Semester 2		
Year 3 - S Intermedi Year 4 - S CAB301 EGB240 Year 4 - S CAB240 EGH404	Mathematics Semester 2 ate Electrical Option unit Semester 1 Algorithms and Complexity Electronic Design Semester 2 Information Security Research in Engineering Practice		
Year 3 - S Intermedi Year 4 - S CAB301 EGB240 Year 4 - S CAB240 EGH404 Year 5 - S	Mathematics Semester 2 ate Electrical Option unit Semester 1 Algorithms and Complexity Electronic Design Semester 2 Information Security Research in Engineering Practice Semester 1		
Year 3 - S Intermedi Year 4 - S CAB301 EGB240 Year 4 - S CAB240 EGH404 Year 5 - S CAB302	Mathematics Semester 2 ate Electrical Option unit Semester 1 Algorithms and Complexity Electronic Design Semester 2 Information Security Research in Engineering Practice		
Year 3 - S Intermedi Year 4 - S CAB301 EGB240 Year 4 - S CAB240 EGH404 Year 5 - S	Mathematics Semester 2 ate Electrical Option unit Semester 1 Algorithms and Complexity Electronic Design Semester 2 Information Security Research in Engineering Practice Semester 1 Software Development Research Project 1		
Year 3 - S Intermedi Year 4 - S CAB301 EGB240 Year 4 - S CAB240 EGH404 Year 5 - S CAB302 EGH400	Mathematics Semester 2 ate Electrical Option unit Semester 1 Algorithms and Complexity Electronic Design Semester 2 Information Security Research in Engineering Practice Semester 1 Software Development		
Year 3 - S Intermedi Year 4 - S CAB301 EGB240 Year 4 - S CAB240 EGH404 Year 5 - S CAB302 EGH400 -1 EGH456 Advanced	Mathematics Semester 2 ate Electrical Option unit Semester 1 Algorithms and Complexity Electronic Design Semester 2 Information Security Research in Engineering Practice Semester 1 Software Development Research Project 1 Embedded Systems Computer & Software		
Year 3 - S Intermedi Year 4 - S CAB301 EGB240 Year 4 - S CAB240 EGH404 Year 5 - S CAB302 EGH400 -1 EGH456 Advanced	Mathematics Semester 2 ate Electrical Option unit Semester 1 Algorithms and Complexity Electronic Design Semester 2 Information Security Research in Engineering Practice Semester 1 Software Development Research Project 1 Embedded Systems		
Year 3 - S Intermedi Year 4 - S CAB301 EGB240 Year 4 - S CAB240 EGH404 Year 5 - S CAB302 EGH400 -1 EGH456 Advanced Systems	Mathematics Semester 2 ate Electrical Option unit Semester 1 Algorithms and Complexity Electronic Design Semester 2 Information Security Research in Engineering Practice Semester 1 Software Development Research Project 1 Embedded Systems Computer & Software		
Year 3 - S Intermedi Year 4 - S CAB301 EGB240 Year 4 - S CAB240 EGH404 Year 5 - S CAB302 EGH400 -1 EGH456 Advanced Systems	Mathematics Semester 2 ate Electrical Option unit Semester 1 Algorithms and Complexity Electronic Design Semester 2 Information Security Research in Engineering Practice Semester 1 Software Development Research Project 1 Embedded Systems Computer & Software Option Unit		
Year 3 - S Intermedi Year 4 - S CAB301 EGB240 Year 4 - S CAB240 EGH404 Year 5 - S CAB302 EGH400 -1 EGH456 Advanced Systems 0 Year 5 - S EGH400 -2	Mathematics Semester 2 ate Electrical Option unit Semester 1 Algorithms and Complexity Electronic Design Semester 2 Information Security Research in Engineering Practice Semester 1 Software Development Research Project 1 Embedded Systems Computer & Software Option Unit Semester 2 Research Project 2		
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Year 3 - S Intermedi Year 4 - S CAB301 EGB240 Year 4 - S CAB240 EGH404 Year 5 - S EGH400 -1 EGH456 Advanced Systems Year 5 - S EGH400 -2 CAB432 EGH455	Mathematics Semester 2 ate Electrical Option unit Semester 1 Algorithms and Complexity Electronic Design Semester 2 Information Security Research in Engineering Practice Semester 1 Software Development Research Project 1 Embedded Systems Computer & Software Option Unit Semester 2 Research Project 2 Research Project 2 Cloud Computing Advanced Systems Design		
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Semesters

- Semester 1 (February) commencements
- Year 1 Semester 1
- Year 1 Semester 2

- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
 Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1
- Year 5 Semester 2

S Year 1 - Semester 1 EGB113 Energy in Engineering Systems MZB125 Introductory Engineering Mathematics OR MXB161 Computational Explorations Year 1 - Semester 2 EGB100 Engineering Sustainability and Professional Practice MZB126 Engineering Computation Al Year 2 - Semester 1 EGB111 Foundation of Engineering		Tear 5 - Semester 2
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-1 Advanced Electrical or Software Option Unit EGH456 Embedded Systems Year 5 - Semester 2		Practice
Unit EGH456 Embedded Systems Year 5 - Semester 2		-1 Research Project 1
Year 5 - Semester 2		Unit
for the real world	for	the university



EGH400 -2	Research Project 2
EGH455	Advanced Systems Design
Advanced Electrical Option Unit	

Advanced Software Option Unit

Semesters

- <u>Semester 1 (February)</u>
- commencements
- Year 2 Semester 1 .
- Year 2 Semester 2
- Year 3 Semester 1
 Year 3 Semester 2
- Year 4 Semester 1 •
- Year 4 Semester 2 ٠
- •
- Year 5 Semester 1 Year 5 Semester 2 ٠

Code	Title		
Semester	1 (February) commencements		
Year 2 - S	Semester 1		
EGB121	Engineering Mechanics		
MZB127	Engineering Mathematics and Statistics		
Year 2 - S	Semester 2		
CAB202	Microprocessors and Digital Systems		
EGB120	Foundations of Electrical Engineering		
Year 3 - S	Semester 1		
EGB240	Electronic Design		
MZB221	Electrical Engineering Mathematics		
Year 3 - S	Semester 2		
EGB242	Signal Analysis		
Intermedi	ate Electrical Option Unit (1)		
	can be selected from the list. A		
	waiver for this unit will be		
the same	you are enrolled in EGB242 at		
	Semester 1		
EGB340	Design and Practice		
EGB241	Electromagnetics and Machines		
Year 4 - S	Semester 2		
EGB341	Energy Supply and Delivery		
Intermedi	ate Electrical Option Unit (2)		
	Semester 1		
EGH400 -1	Research Project 1		
EGH404	Research in Engineering Practice		
Advanced	d Electrical Option Unit (1)		
Advanced	d Electrical Option Unit (2)		
Year 5 - Semester 2			
EGH400 -2	Research Project 2		
Advanced	d Electrical Option Unit (3)		
Advanced	d Electrical Option Unit (4)		

Semesters

- Semester 1 (February) commencements
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1 .
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
 Year 5 Semester 1
- Year 5 Semester 2

Codo Title

Code	Title		
Semester	1 (February) commencements		
Year 2 - 5	Semester 1		
EGB120	Foundations of Electrical Engineering		
MZB127	Engineering Mathematics and Statistics		
Year 2 - 5	Semester 2		
EGB121	Engineering Mechanics		
CAB202	Microprocessors and Digital Systems		
Year 3 - S	Semester 1		
MZB221	Electrical Engineering Mathematics		
EGB240	Electronic Design		
Year 3 - 5	Semester 2		
EGB242	Signal Analysis		
Intermedi Option Ur	ate Electrical and Aerospace		
Year 4 - S	Semester 1		
EGB243	Aircraft Systems and Flight		
EGB349	Systems Engineering and Design Project		
Year 4 - 5	Semester 2		
EGB345	Control and Dynamic Systems		
EGB346	Unmanned Aircraft Systems		
Year 5 - S	Semester 1		
EGH400 -1	Research Project 1		
EGH404	Research in Engineering Practice		
EGH445	Modern Control		
Advanced Electrical and Aerospace Option Unit			
Year 5 - Semester 2			
EGH400 -2	Research Project 2		
EGH450	Advanced Unmanned Aircraft Systems		
EGH446	Autonomous Systems		
Advanced Option Ur	l Electrical and Aerospace hit		
Competence			

Semesters

 Semester 1 (February) commencements

• <u>rea</u> • Yea	r <u>3 - Semester 2</u>
	r 3 - Semester 2
 Yea 	<u>r 4 - Semester 1</u> r 4 - Semester 2
	<u>r 5 - Semester 1</u> r 5 - Semester 2
Code	Title 1 (February) commencements
	Semester 1
EGB121	Engineering Mechanics
	Engineering Mathematics and
MZB127	Statistics
Year 2 - S	Semester 2
EGB120	Foundations of Electrical
	Engineering
EGB125	Design for Manufacture
Year 3 - S	Semester 1
EGB214	
	Solid Mechanics
Year 3 - S	Semester 2
EGB210	Fundamentals of Mechanical Design
EGB211	Dynamics
Year 4 - S	Semester 1
EGB321	Dynamics of Machines
EGB323	Fluid Mechanics
Year 4 - S	Semester 2
EGB322	Thermodynamics
EGH404	Research in Engineering Practice
Year 5 - S	Semester 1
EGB316	Design of Machine Elements
EGH400 -1	Research Project 1
EGH414	Stress Analysis
EGH421	Vibration and Control
Year 5 - 8	Semester 2
EGH400 -2	Research Project 2
EGH420	Mechanical Systems Design
EGH422	Heat Transfer
EGH423	Fluid Dynamics

 Year 2 - Semester 1 Year 2 - Semester 2

Semesters

- Semester 1 (February) commencements
 - Year 1 Semester 1
 - Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2 Year 3 - Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1
 Year 5 Semester 2

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• Year 5 - Semester 2

Code	Title
Semester	1 (February) commencements
Year 1 - S	Semester 1
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - S	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - S	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - S	Semester 2
EGB120	Foundations of Electrical Engineering
Foundatio	on Unit Option
Year 3 - S	Semester 1
EGB214	Materials and Manufacturing
EGB314	Solid Mechanics
Year 3 - S	Semester 2
EGB210	Fundamentals of Mechanical Design
EGB211	Dynamics
Year 4 - S	Semester 1
EGB321	Dynamics of Machines
EGB323	Fluid Mechanics
Year 4 - S	Semester 2
EGB322	Thermodynamics
EGH404	Research in Engineering Practice
Year 5 - S	Semester 1
EGB316	Design of Machine Elements
EGH400 -1	Research Project 1
EGH414	Stress Analysis
EGH421	Vibration and Control
Year 5 - S	Semester 2
EGH400 -2	Research Project 2
EGH420	Mechanical Systems Design
EGH422	Heat Transfer
EGH423	Fluid Dynamics

Semesters

- Semester 1 (February) <u>commencements</u> Year 2 - Semester 1
- Year 2 Semester 2
 Year 3 Semester 1
- Year 3 Semester 2 ٠
- Year 4 Semester 1
- Year 4 Semester 2 Year 5 Semester 1 •
- ٠

Code	Title
Semester	1 (February) commencements
Year 2 - S	Semester 1
EGB121	Engineering Mechanics
MZB127	Engineering Mathematics and Statistics
Year 2 - S	Semester 2
EGB120	Foundations of Electrical Engineering
MZB221	Electrical Engineering Mathematics
Year 3 - S	Semester 1
EGB242	Signal Analysis
Materials CAB202	Strand unit (EGB214) OR
EGB214	Materials and Manufacturing
OR	
CAB202	Microprocessors and Digital Systems
Year 3 - S	Semester 2
EGB345	Control and Dynamic Systems
Dynamics CAB202	s Strand unit (EGB211) or
EGB211	Dynamics
OR	
CAB202	Microprocessors and Digital Systems
Year 4 - S	Semester 1
	Mechatronics Design 1
EGB220 Dynamics	
EGB220 Dynamics	Mechatronics Design 1 s Strand unit (EGB321) OR
EGB220 Dynamics Materials	Mechatronics Design 1 s Strand unit (EGB321) OR Strand unit (EGB314)
EGB220 Dynamics Materials EGB321 OR	Mechatronics Design 1 s Strand unit (EGB321) OR Strand unit (EGB314)
EGB220 Dynamics Materials EGB321 OR EGB314	Mechatronics Design 1 s Strand unit (EGB321) OR Strand unit (EGB314) Dynamics of Machines
EGB220 Dynamics Materials EGB321 OR EGB314 Year 4 - S	Mechatronics Design 1 s Strand unit (EGB321) OR Strand unit (EGB314) Dynamics of Machines Solid Mechanics
EGB220 Dynamics Materials EGB321 OR EGB314 Year 4 - S EGB320	Mechatronics Design 1 s Strand unit (EGB321) OR Strand unit (EGB314) Dynamics of Machines Solid Mechanics Semester 2
EGB220 Dynamics Materials EGB321 OR EGB314 Year 4 - S EGB320 Intermedi	Mechatronics Design 1 s Strand unit (EGB321) OR Strand unit (EGB314) Dynamics of Machines Solid Mechanics Semester 2 Mechatronics Design 2
EGB220 Dynamics Materials EGB321 OR EGB314 Year 4 - S EGB320 Intermedi	Mechatronics Design 1 s Strand unit (EGB321) OR Strand unit (EGB314) Dynamics of Machines Solid Mechanics Semester 2 Mechatronics Design 2 ate Electrical Unit Option
EGB220 Dynamics Materials EGB321 OR EGB314 Year 4 - 5 EGB320 Intermedi Year 5 - 5 EGH404	Mechatronics Design 1 s Strand unit (EGB321) OR Strand unit (EGB314) Dynamics of Machines Solid Mechanics Semester 2 Mechatronics Design 2 ate Electrical Unit Option Semester 1 Research in Engineering
EGB220 Dynamics Materials EGB321 OR EGB314 Year 4 - S EGB320 Intermedi Year 5 - S EGH404 EGH419	Mechatronics Design 1 s Strand unit (EGB321) OR Strand unit (EGB314) Dynamics of Machines Solid Mechanics Semester 2 Mechatronics Design 2 ate Electrical Unit Option Semester 1 Research in Engineering Practice
EGB220 Dynamics Materials EGB321 OR EGB314 Year 4 - S EGB320 Intermedi Year 5 - S EGH404 EGH419 EGH445 Materials	Mechatronics Design 1 s Strand unit (EGB321) OR Strand unit (EGB314) Dynamics of Machines Solid Mechanics Semester 2 Mechatronics Design 2 ate Electrical Unit Option Semester 1 Research in Engineering Practice Mechatronics Design 3 Modern Control Strand unit (EGH414) OR
EGB220 Dynamics Materials EGB321 OR EGB314 Year 4 - S EGB320 Intermedi Year 5 - S EGH404 EGH419 EGH445 Materials Advanced	Mechatronics Design 1 S Strand unit (EGB321) OR Strand unit (EGB314) Dynamics of Machines Solid Mechanics Semester 2 Mechatronics Design 2 ate Electrical Unit Option Semester 1 Research in Engineering Practice Mechatronics Design 3 Modern Control Strand unit (EGH414) OR d Electrical Unit Option
EGB220 Dynamics Materials EGB321 OR EGB314 Year 4 - S EGB320 Intermedi Year 5 - S EGH404 EGH419 EGH419 EGH445 Materials Advanced EGH414	Mechatronics Design 1 s Strand unit (EGB321) OR Strand unit (EGB314) Dynamics of Machines Solid Mechanics Semester 2 Mechatronics Design 2 ate Electrical Unit Option Semester 1 Research in Engineering Practice Mechatronics Design 3 Modern Control Strand unit (EGH414) OR
EGB220 Dynamics Materials EGB321 OR EGB314 Year 4 - S EGB320 Intermedi Year 5 - S EGH404 EGH419 EGH445 Materials Advanced EGH414 OR	Mechatronics Design 1 s Strand unit (EGB321) OR Strand unit (EGB314) Dynamics of Machines Solid Mechanics Semester 2 Mechatronics Design 2 ate Electrical Unit Option Semester 1 Research in Engineering Practice Mechatronics Design 3 Modern Control Strand unit (EGH414) OR d Electrical Unit Option Stress Analysis
EGB220 Dynamics Materials EGB321 OR EGB314 Year 4 - S EGB320 Intermedi Year 5 - S EGH404 EGH419 EGH445 Materials Advanced EGH414 OR Advanced	Mechatronics Design 1 S Strand unit (EGB321) OR Strand unit (EGB314) Dynamics of Machines Solid Mechanics Semester 2 Mechatronics Design 2 ate Electrical Unit Option Semester 1 Research in Engineering Practice Mechatronics Design 3 Modern Control Strand unit (EGH414) OR d Electrical Unit Option Stress Analysis d Electrical Option Unit
EGB220 Dynamics Materials EGB321 OR EGB314 Year 4 - S EGB320 Intermedi Year 5 - S EGH404 EGH419 EGH419 EGH445 Materials Advanced EGH414 OR Advanced Year 5 - S	Mechatronics Design 1 s Strand unit (EGB321) OR Strand unit (EGB314) Dynamics of Machines Solid Mechanics Semester 2 Mechatronics Design 2 ate Electrical Unit Option Semester 1 Research in Engineering Practice Mechatronics Design 3 Modern Control Strand unit (EGH414) OR d Electrical Unit Option Stress Analysis d Electrical Option Unit Semester 2
EGB220 Dynamics Materials EGB321 OR EGB314 Year 4 - S EGB320 Intermedi Year 5 - S EGH404 EGH419 EGH419 EGH414 OR Advancee Year 5 - S EGH408	Mechatronics Design 1 s Strand unit (EGB321) OR Strand unit (EGB314) Dynamics of Machines Solid Mechanics Semester 2 Mechatronics Design 2 ate Electrical Unit Option Semester 1 Research in Engineering Practice Mechatronics Design 3 Modern Control Strand unit (EGH414) OR d Electrical Unit Option Stress Analysis d Electrical Option Unit Semester 2 Research Project
EGB220 Dynamics Materials EGB321 OR EGB314 Year 4 - S EGB320 Intermedi Year 5 - S EGH404 EGH419 EGH419 EGH445 Materials Advanced EGH414 OR Advanced Year 5 - S	Mechatronics Design 1 s Strand unit (EGB321) OR Strand unit (EGB314) Dynamics of Machines Solid Mechanics Semester 2 Mechatronics Design 2 ate Electrical Unit Option Semester 1 Research in Engineering Practice Mechatronics Design 3 Modern Control Strand unit (EGH414) OR d Electrical Unit Option Stress Analysis d Electrical Option Unit Semester 2 Research Project
EGB220 Dynamics Materials EGB321 OR EGB314 Year 4 - S EGB320 Intermedi Year 5 - S EGH404 EGH419 EGH445 Materials Advanced EGH414 OR Advanced Year 5 - S EGH408 EGH408 EGH408	Mechatronics Design 1 s Strand unit (EGB321) OR Strand unit (EGB314) Dynamics of Machines Solid Mechanics Semester 2 Mechatronics Design 2 ate Electrical Unit Option Semester 1 Research in Engineering Practice Mechatronics Design 3 Modern Control Strand unit (EGH414) OR d Electrical Unit Option Stress Analysis d Electrical Option Unit Semester 2 Research Project
EGB220 Dynamics Materials EGB321 OR EGB314 Year 4 - S EGB320 Intermedi Year 5 - S EGH404 EGH419 EGH445 Materials Advanced EGH414 OR Advanced Year 5 - S EGH408 EGH446 Dynamics Advanced	Mechatronics Design 1 S Strand unit (EGB321) OR Strand unit (EGB314) Dynamics of Machines Solid Mechanics Semester 2 Mechatronics Design 2 ate Electrical Unit Option Semester 1 Research in Engineering Practice Mechatronics Design 3 Modern Control Strand unit (EGH414) OR d Electrical Unit Option Stress Analysis d Electrical Option Unit Semester 2 Research Project Autonomous Systems S Strand unit (EGH413) OR

Advanced Electrical Option Unit

lem	esters	
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and	Semesters • Semester 1 (February) commencements • Year 1 - Semester 1 • Year 1 - Semester 2 • Year 2 - Semester 1 • Year 3 - Semester 2 • Year 3 - Semester 1 • Year 3 - Semester 2 • Year 4 - Semester 1 • Year 5 - Semester 1 • Year 5 - Semester 2	
	Code Title	
	Semester 1 (February) commencements	
	Year 1 - Semester 1	
ng	EGB113 Energy in Engineering Systems	
al	MZB125 Introductory Engineering Mathematics	
	OR	
	MXB161 Computational Explorations	
ems	Year 1 - Semester 2	
	EGB100 Engineering Sustainability and Professional Practice	
	MZB126 Engineering Computation	
	Year 2 - Semester 1	
al	EGB111 Foundation of Engineering Design	
	EGB121 Engineering Mechanics	
	Year 2 - Semester 2	
	Foundations of Electrical	
	EGB120 Engineering	
	Foundation Unit Option	
	Year 3 - Semester 1	
	CAB202 Microprocessors and Digital Systems	
	EGB242 Signal Analysis	
	Year 3 - Semester 2	
	EGB211 Dynamics	
	EGB345 Control and Dynamic Systems	
	Year 4 - Semester 1	
	EGB220 Mechatronics Design 1	
	Intermediate Mechanical Option Unit	
	Year 4 - Semester 2	
	EGB320 Mechatronics Design 2	
	Intermediate Electrical Option Unit	
	Year 5 - Semester 1	
	EGH400 -1 Research Project 1	
	EGH404 Research in Engineering Practice	
	EGH419 Mechatronics Design 3	
	EGH445 Modern Control	
	Year 5 - Semester 2	
	EGH400 Research Project 2	
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-2		
Advanced Mechanical Option Unit		
EGH446	Autonomous Systems	
Advanced	d Electrical Option Unit	

Semesters

- Semester 1 (February)
- commencements
- Year 2 Semester 1
- Year 2 Semester 2 •
- Year 3 Semester 1 Year 3 Semester 2 ٠
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1
 Year 5 Semester 2

Code	Title
Semester	1 (February) commencements
Year 2 - 5	Semester 1
EGB121	Engineering Mechanics
MZB127	Engineering Mathematics and Statistics
Year 2 - S	Semester 2
EGB120	Foundations of Electrical Engineering
EGB125	Design for Manufacture
Year 3 - S	Semester 1
EGB214	Materials and Manufacturing
EGB314	Solid Mechanics
Year 3 - S	Semester 2
EGB210	Fundamentals of Mechanical Design
EGB211	Dynamics
Year 4 - S	Semester 1
EGB323	Fluid Mechanics
LQB187	Human Anatomy
Year 4 - S	Semester 2
EGH404	Research in Engineering Practice
LSB231	Physiology
Year 5 - 5	Semester 1
EGB319	Medical Device Design
EGH400 -1	Research Project 1
EGH414	Stress Analysis
EGH438	Biomaterials
	Semester 2
EGH400 -2	Research Project 2
EGH418	Biomechanics
EGH424	Biofluids
EGH435	Modelling and Simulation for Medical Engineers

Semesters

- Semester 1 (February) commencements
- Year 1 Semester 1

- Year 1 Semester 2 Year 2 - Semester 1
- Year 2 Semester 2
- Year 3 Semester 1 Year 3 Semester 2 ٠
- ٠
- Year 4 Semester 1 Year 4 - Semester 2
- Year 5 Semester 1
 Year 5 Semester 2

Code	Title
Semester	1 (February) commencements
Year 1 - S	Semester 1
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - S	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - S	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - S	Semester 2
EGB120	Foundations of Electrical Engineering
Foundatio	on Unit Option
Year 3 - 8	Semester 1
EGB314	Solid Mechanics
LQB187	Human Anatomy
	replaces LSB131 from 2021
onwards	
	Semester 2
EGB211	Dynamics
LSB231	Physiology
	Semester 1
EGB214	Materials and Manufacturing
EGB323	Fluid Mechanics
Year 4 - S	Semester 2
EGB210	Fundamentals of Mechanical Design
EGH404	Research in Engineering Practice
	Semester 1
EGB319	Medical Device Design
EGH400 -1	Research Project 1
EGH414	Stress Analysis
EGH438	Biomaterials
Year 5 - S	Semester 2
EGH400 -2	Research Project 2
EGH424	Biofluids
EGH435	Modelling and Simulation for

	Medical Engineers	
EGH418	Biomechanics	
Semesters • Year 2 - Semester 2 • Year 3 - Semester 1 • Year 3 - Semester 2 • Year 4 - Semester 1 • Year 4 - Semester 2 • Year 5 - Semester 1 • Year 5 - Semester 2 • Year 6 - Semester 1		
Code	Title	
Year 2 - S	Semester 2	
EGB121	Engineering Mechanics	
MZB127	Engineering Mathematics and Statistics	
Year 3 - S	Semester 1	
EGB160	Process Principles	
EGB161	Foundations of Engineering Chemistry	
Year 3 - S	Semester 2	
EGB263	Process Systems	
EGB264	Engineering Chemistry	
	Semester 1	
Year 4 - S	Semester 1	
Year 4 - S EGB261 EGB323	Semester 1 Unit Operations	
Year 4 - S EGB261 EGB323	Semester 1 Unit Operations Fluid Mechanics Semester 2	
Year 4 - S EGB261 EGB323 Year 4 - S	Semester 1 Unit Operations Fluid Mechanics Semester 2 Process Modelling	
Year 4 - S EGB261 EGB323 Year 4 - S EGB364 EGB322	Semester 1 Unit Operations Fluid Mechanics Semester 2 Process Modelling	
Year 4 - S EGB261 EGB323 Year 4 - S EGB364 EGB322	Semester 1 Unit Operations Fluid Mechanics Semester 2 Process Modelling Thermodynamics Semester 1 Minerals Processing	
Year 4 - 5 EGB261 EGB323 Year 4 - 5 EGB364 EGB322 Year 5 - 5	Semester 1 Unit Operations Fluid Mechanics Semester 2 Process Modelling Thermodynamics Semester 1	
Year 4 - 3 EGB261 EGB323 Year 4 - 3 EGB364 EGB322 Year 5 - 3 EGB361 EGH404	Semester 1 Unit Operations Fluid Mechanics Semester 2 Process Modelling Thermodynamics Semester 1 Minerals Processing Research in Engineering Practice Semester 2	
Year 4 - 3 EGB261 EGB323 Year 4 - 3 EGB364 EGB322 Year 5 - 3 EGB361 EGH404	Semester 1 Unit Operations Fluid Mechanics Semester 2 Process Modelling Thermodynamics Semester 1 Minerals Processing Research in Engineering Practice	
Year 4 - 5 EGB261 EGB323 Year 4 - 5 EGB364 EGB322 Year 5 - 5 EGB361 EGH404 Year 5 - 5	Semester 1 Unit Operations Fluid Mechanics Semester 2 Process Modelling Thermodynamics Semester 1 Minerals Processing Research in Engineering Practice Semester 2 Sustainable Chemical	
Year 4 - 5 EGB261 EGB323 Year 4 - 5 EGB364 EGB322 Year 5 - 5 EGB361 EGH404 Year 5 - 5 EGH411	Semester 1 Unit Operations Fluid Mechanics Semester 2 Process Modelling Thermodynamics Semester 1 Minerals Processing Research in Engineering Practice Semester 2 Sustainable Chemical Engineering in Practice	
Year 4 - 3 EGB261 EGB323 Year 4 - 3 EGB364 EGB362 Year 5 - 3 EGB361 EGH404 Year 5 - 3 EGH411 EGH422	Semester 1 Unit Operations Fluid Mechanics Semester 2 Process Modelling Thermodynamics Semester 1 Minerals Processing Research in Engineering Practice Semester 2 Sustainable Chemical Engineering in Practice Heat Transfer	
Year 4 - 3 EGB261 EGB323 Year 4 - 3 EGB364 EGB322 Year 5 - 3 EGB361 EGH404 Year 5 - 3 EGH411 EGH422 EGH423 EGH462	Semester 1 Unit Operations Fluid Mechanics Semester 2 Process Modelling Thermodynamics Semester 1 Minerals Processing Research in Engineering Practice Semester 2 Sustainable Chemical Engineering in Practice Heat Transfer Fluid Dynamics	
Year 4 - 3 EGB261 EGB323 Year 4 - 3 EGB364 EGB322 Year 5 - 3 EGB361 EGH404 Year 5 - 3 EGH411 EGH422 EGH423 EGH462	Semester 1 Unit Operations Fluid Mechanics Semester 2 Process Modelling Thermodynamics Semester 1 Minerals Processing Research in Engineering Practice Semester 2 Sustainable Chemical Engineering in Practice Heat Transfer Fluid Dynamics Process Control	
Year 4 - 3 EGB261 EGB323 Year 4 - 3 EGB364 EGB322 Year 5 - 3 EGB361 EGH404 Year 5 - 3 EGH411 EGH422 EGH423 EGH423 EGH462 Year 6 - 3	Semester 1 Unit Operations Fluid Mechanics Semester 2 Process Modelling Thermodynamics Semester 1 Minerals Processing Research in Engineering Practice Semester 2 Sustainable Chemical Engineering in Practice Heat Transfer Fluid Dynamics Process Control Semester 1 Operations Management and	
Year 4 - 3 EGB261 EGB323 Year 4 - 3 EGB364 EGB362 Year 5 - 3 EGH404 Year 5 - 3 EGH411 EGH422 EGH423 EGH423 EGH462 Year 6 - 3	Semester 1 Unit Operations Fluid Mechanics Semester 2 Process Modelling Thermodynamics Semester 1 Minerals Processing Research in Engineering Practice Semester 2 Sustainable Chemical Engineering in Practice Heat Transfer Fluid Dynamics Process Control Semester 1 Operations Management and Process Economics	

Semesters

- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1
- Year 5 Semester 2
- Year 6 Semester 1

Code Title

Year 2 - Semester 2 EGB123 Civil Engineering Systems



EGB124	Engineering for the Environment		
Year 3 - S	Semester 1		
MZB127	Engineering Mathematics and Statistics		
EGB272	Traffic and Transport Engineering		
Year 3 - S	Semester 2		
EGB121	Engineering Mechanics		
EGB273	Principles of Construction		
Year 4 - S	Semester 1		
EGB270	Civil Engineering Materials		
EGB371	Engineering Hydraulics		
Year 4 - S	Semester 2		
EGB275	Structural Mechanics		
EGB373	Geotechnical Engineering		
Year 5 - S	Semester 1		
EGB375	Design of Concrete Structures		
EGH404	Research in Engineering Practice		
Year 5 - S	Semester 2		
EGH471	Advanced Water Engineering		
EGH472	Advanced Highway and Pavement Engineering		
EGH479	Advances in Civil Engineering Practice		
One Adva	One Advanced Civil Unit from		
EGH475	Advanced Concrete Structures		
OR			
EGH476	Advanced Water and Wastewater Engineering		
Year 6 - S	Semester 1		
EGB376	Steel Design		
EGH408	Research Project		
EGH473	Advanced Geotechnical		

PLEASE NOTE:

This structure Is ONLY for the combination of Engineering Computer & Software Systems and IT Computer Science Majors.

Semesters

- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Year 5, Semester 1
 Year 5, Semester 2
- Year 6, Semester 1 •

Code	Title	
Year 2, Semester 2		
MZB127	Engineering Mathematics and Statistics	
EGB120	Foundations of Electrical	

	Engineering		
CAB201	CAB201 Programming Principles		
IT Core Option Unit			
Year 3, S	Year 3, Semester 1		
EGB242	Signal Analysis		
MZB221	Electrical Engineering Mathematics		
CAB202	Microprocessors and Digital Systems		
IT Core C	ption Unit		
Year 3, S	emester 2		
CAB403	Systems Programming		
CAB240	Information Security		
CAB303	Networks		
Intermedi	ate Electrical Option Unit		
Year 4, S	emester 1		
EGB240	Electronic Design		
CAB203	Discrete Structures		
CAB301	Algorithms and Complexity		
IFB295	IT Project Management		
Year 4, S	emester 2		
CAB401	High Performance and Parallel Computing		
Software	Option Unit		
	Intermediate Software Option Unit or		
	ate Electrical Option Unit		
IFB398	Capstone Project (Phase 1)		
Year 5, S			
EGH404	Research in Engineering Practice		
CAB302	Software Development		
IFB399	Capstone Project (Phase 2)		
Compute	r Science Option Unit		
Year 5, S	emester 2		
EGH400 -1	Research Project 1		
EGH455	Advanced Systems Design		
CAB432	Cloud Computing		
Advanced Electrical Option Unit			
Year 6, S	emester 1		
EGH400 -2			
2	Research Project 2		
EGH456	Research Project 2 Embedded Systems		
EGH456 Advanced			
EGH456 Advanced Advanced	Embedded Systems Software Option Unit or		

Semesters

- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1
- Year 5 Semester 2 Year 6 - Semester 1

	Title	
Year 2 - S	Semester 2	
CAB201	Programming Principles	
MZB127	Engineering Mathematics and Statistics	
Year 3 - 5	Semester 1	
EGB120	Foundations of Electrical Engineering	
MZB221	Electrical Engineering Mathematics	
Year 3 - S	Semester 2	
CAB240	Information Security	
EGB242	Signal Analysis	
Year 4 - S	Semester 1	
CAB202	Microprocessors and Digital Systems	
CAB301	Algorithms and Complexity	
Year 4 - S	Semester 2	
CAB403	Systems Programming	
Intermedi	ate Electrical Option Unit	
Year 5 - 5	Semester 1	
EGB240	Electronic Design	
EGH404	Research in Engineering Practice	
Year 5 - S	Semester 2	
CAB432	Cloud Computing	
EGH400 -1	Research Project 1	
EGH455	Advanced Systems Design	
	l Computer & Software Option Unit	
Year 6 - S	Semester 1	
CAB302	Software Development	
EGH400 -2	Research Project 2	
EGH456	Embedded Systems	
Advanced Computer & Software Systems Option Unit		
Somosto		

emesters

- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
 Year 5 Semester 1
- Year 5 Semester 2 •
- Year 6 Semester 1

Code	Title
Year 2 - S	Semester 2
EGB121	Engineering Mechanics
MZB127	Engineering Mathematics and Statistics
Year 3 - 5	Semester 1
EGB120	Foundations of Electrical Engineering
CAB202	Microprocessors and Digital
	niversity eal world

	Systems	
Year 3 - S	Semester 2	
EGB242	Signal Analysis	
MZB221	Electrical Engineering Mathematics	
Year 4 - S	Semester 1	
EGB240	Electronic Design	
EGB241	Electromagnetics and Machines	
Year 4 - S	Semester 2	
EGB341	Energy Supply and Delivery	
Intermedi	ate Electrical Option Unit (1)	
Year 5 - S	Semester 1	
EGB340	Design and Practice	
EGH404	Research in Engineering Practice	
Year 5 - S	Semester 2	
EGH400 -1	Research Project 1	
Intermediate Electrical Option Unit (2)		
Advanced Electrical Option Unit (1)		
Advanced Electrical Option Unit (2)		
Year 6 - Semester 1		
EGH400 -2	Research Project 2	
Advanced	d Electrical Option Unit (3)	
Advanced	d Electrical Option Unit (4)	
Advanced Electrical Option Unit (5)		

Semesters

- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
 Year 4 Semester 1
- Year 4 Semester 1
 Year 4 Semester 2
- Year 5 Semester 1
- Year 5 Semester 2
- Year 6 Semester 1

Code	Title	
Year 2 - Semester 2		
EGB120	Foundations of Electrical Engineering	
MZB127	Engineering Mathematics and Statistics	
Year 3 - S	Year 3 - Semester 1	
CAB202	Microprocessors and Digital Systems	
EGB121	Engineering Mechanics	
Year 3 - Semester 2		
MZB221	Electrical Engineering Mathematics	
EGB242	Signal Analysis	
Year 4 - Semester 1		
EGB240	Electronic Design	
EGB243	Aircraft Systems and Flight	
Year 4 - 8	Year 4 - Semester 2	
EGB346	Unmanned Aircraft Systems	

EGB345	Control and Dynamic Systems	
Year 5 - S	Semester 1	
EGB349	Systems Engineering and Design Project	
EGH445	Modern Control	
Year 5 - S	Semester 2	
EGH404	Research in Engineering Practice	
EGH446	Autonomous Systems	
EGH450	Advanced Unmanned Aircraft Systems	
Intermedi Unit Optic	ate Electrical and Aerospace	
	Semester 1	
	Research Project	
	d Electrical and Aerospace Unit	
Advanced Option	d Electrical and Aerospace Unit	
Semesters • Year 2 - Semester 2 • Year 3 - Semester 1 • Year 3 - Semester 2 • Year 4 - Semester 1 • Year 4 - Semester 2 • Year 5 - Semester 1 • Year 5 - Semester 2 • Year 6 - Semester 1		
Code	Title	
	Semester 2	
EGB121	Engineering Mechanics Engineering Mathematics and	
MZB127	Statistics	
Year 3 - S	Semester 1	
EGB125	Design for Manufacture	
EGB314	Solid Mechanics	
Year 3 - S	Semester 2	
EGB210	Fundamentals of Mechanical Design	
EGB211	Dynamics	
	Semester 1	
EGB321	Dynamics of Machines	
EGB323	Fluid Mechanics	
Year 4 - S	Semester 2	
EGB120	Foundations of Electrical Engineering	
EGB322	Thermodynamics	
Year 5 - S	Semester 1	
EGB316	Design of Machine Elements	
EGH404	Research in Engineering Practice	
Year 5 - S	Semester 2	

EGH423	Fluid Dynamics	
Year 6 - Semester 1		
EGH400 -2	Research Project 2	
EGB214	Materials and Manufacturing	
EGH414	Stress Analysis	
EGH421	Vibration and Control	

Semesters

- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1
- <u>Year 5 Semester 2</u>
 <u>Year 6 Semester 1</u>
- Code Title Year 2 - Semester 2 Foundations of Electrical **EGB120** Engineering **Engineering Mathematics and MZB127** Statistics Year 3 - Semester 1 EGB121 **Engineering Mechanics Electrical Engineering MZB221 Mathematics** Year 3 - Semester 2 EGB211 **Dynamics** Microprocessors and Digital CAB202 Systems EGB242 Signal Analysis Year 4 - Semester 1 EGB214 Materials and Manufacturing Microprocessors and Digital CAB202 Systems EGB220 Mechatronics Design 1 Year 4 - Semester 2 EGB320 Mechatronics Design 2 EGB345 Control and Dynamic Systems Year 5 - Semester 1 Research in Engineering EGH404 Practice EGB321 **Dynamics of Machines** EGB314 Solid Mechanics Year 5 - Semester 2 **EGH400 Research Project 1** -1 EGH446 Autonomous Systems EGH413 Advanced Dynamics Advanced Electrical Option Unit Intermediate Electrical Option Unit Year 6 - Semester 1 EGH400 **Research Project 2** -2 EGH419 Mechatronics Design 3 EGH445 Modern Control

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EGH400

-1

Research Project 1

EGH420 Mechanical Systems Design

EGH422 Heat Transfer

EGH414 Stress Analysis

Advanced Electrical Option Unit

Semesters

- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1
 Year 5 Semester 2
- Year 6 Semester 1

Code	Title	
Year 2 - Semester 2		
EGB121	Engineering Mechanics	
MZB127	Engineering Mathematics and Statistics	
Year 3 - S	Semester 1	
EGB125	Design for Manufacture	
EGB314	Solid Mechanics	
Year 3 - 8	Semester 2	
EGB210	Fundamentals of Mechanical Design	
EGB211	Dynamics	
Year 4 - S	Semester 1	
EGB323	Fluid Mechanics	
LQB187	Human Anatomy	
Year 4 - S	Semester 2	
EGB120	Foundations of Electrical Engineering	
LSB231	Physiology	
Year 5 - S	Semester 1	
EGH404	Research in Engineering Practice	
EGH414	Stress Analysis	
Year 5 - S	Semester 2	
EGH400 -1	Research Project 1	
EGH418	Biomechanics	
EGH424	Biofluids	
EGH435	Modelling and Simulation for Medical Engineers	
Year 6 - S	Semester 1	
EGB214	Materials and Manufacturing	
EGB319	Medical Device Design	
EGH400 -2	Research Project 2	
EGH438	Biomaterials	



Year	2022
QUT code	SE70
CRICOS	092653A
Duration (full-time)	4 years
ATAR/Selection rank	84.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2022: CSP \$6,100 per year full-time (96 credit points)
International fee (indicative)	2022: \$34,000 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Associate Professor Ross Brown (Games and Interactive Environments); Professor Tim Moroney (Mathematics)
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Assumed knowledge

 Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing 6.0		
Speaking 6.0		

Domestic Course structure

Students are required to complete 384 credit points comprised of 192 credit points from the Bachelor of Games and Interactive Environment program and 192 credit points from the Bachelor of Mathematics program.

Games and Interactive

Environments component:

- 6 core units (72 credit points), which includes 2 core option units* (24 credit points) selected from an approved list.
- 10 Major core units (120 credit points)

Mathematics component:

- 8 core units (96 credit points), which includes 1 core option unit* (12 credit points) selected from an approved list.
- 8 Major core units (96 credit points).

* Unit options list - comprises a wide variety of foundation units from a range of disciplines offered at QUT. In the Mathematics component, there is an opportunity to choose additional mathematics units, which includes a unit specially designed to assist students without a background of successful study in Mathematics C at high school; an alternative unit aimed at high achieving students that explores some interesting and unusual aspects of mathematics in some detail; and a unit introducing the field of computational and simulation science which combines mathematics, science and computing to simulate realworld problems. The core option choices can be used to complement your Major studies.

International Course

structure

Students are required to complete 384 credit points comprised of 192 credit points from the Bachelor of Games and Interactive Environment program and 192 credit points from the Bachelor of Mathematics program.

Games and Interactive Environments component:

- 6 core units (72 credit points), which includes 2 core option units* (24 credit points) selected from an approved list.
- 10 Major core units (120 credit points)

Mathematics component:

- 8 core units (96 credit points), which includes 1 core option unit* (12 credit points) selected from an approved list.
- 8 Major core units (96 credit points).

* Unit options list - comprises a wide variety of foundation units from a range of disciplines offered at QUT. In the Mathematics component, there is an opportunity to choose additional mathematics units, which includes a unit specially designed to assist students without a background of successful study in Mathematics C at high school; an alternative unit aimed at high achieving students that explores some interesting and unusual aspects of mathematics in some detail: and a unit introducing the field of computational and simulation science which combines mathematics, science and computing to simulate realworld problems. The core option choices can be used to complement your Maior studies.

Sample Structure Semesters

- Year 1, Semester 1
- Year 1, Semester 2
 Year 2, Semester 1
- Year 2, Semester 1
 Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2



Bachelor of Games and Interactive Environments/Bachelor of Mathematics

- Year 4, Semester 1
- Year 4, Semester 2

 Year 4, Semester 2 			
Code	Title		
Year 1, S	emester 1		
IGB180	Computer Games Studies		
IGB181	Game Production and		
IGD101	Technology		
Year 1, S	emester 2		
IFB103	IT Systems Design		
IFB104	Building IT Systems		
Year 2, S	emester 1		
IGB100	Game Studio 1: Mini-Game		
	Development e Unit Option		
	emester 2		
	CGI Foundations		
	Animation Aesthetics		
	emester 1		
	Digital Worlds		
	re Unit Option		
	·		
real 5, 5	emester 2 Game Studio 2: Applied		
IGB200	Game Development		
KNB136	Visual Storytelling: Production		
KIND 130	Design		
Year 4, S	emester 1		
IFB398	Capstone Project (Phase 1)		
[IGB300 I	eplaced by IFB398 from 2021]		
KNB217	Digital Creatures		
	bu have completed IFB398 in		
· ·	ious studies e.g. IN01 BIT, you		
	to enrol in an alternative unit		
code. Please contact the faculty for assistance in updating your Study Plan			
accordingly and to inform the			
Coordinator.			
Year 4, S	emester 2		
IFB399	Capstone Project (Phase 2)		
[IGB301 I	eplaced by IFB399 from 2021]		
IGB400	Game Studio 3: Game Innovation		
Note: if yo	ou have completed IFB399 in		
your previous studies e.g. IN01 BIT, you			
will need to enrol in an alternative unit			
coae. Ple	ase contact the faculty for		

code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
 Year 4, Semester 2

Code Title Year 1, Semester 1 IGB180 **Computer Games Studies** Game Production and IGB181 Technology Year 1, Semester 2 IFB103 IT Systems Design IFB104 Building IT Systems Year 2, Semester 1 Game Studio 1: Mini-Game **IGB100** Development **BGIE Core Unit Option** Year 2, Semester 2 Fundamentals of Game **IGB220** Design DXB205 Interactive Narrative Design Year 3, Semester 1 DXB211 Creative Coding **BGIE Core Unit Option** Year 3, Semester 2 Game Studio 2: Applied **IGB200** Game Development Immersive Game Level IGB321 Design Year 4, Semester 1 IFB398 Capstone Project (Phase 1) [IGB300 replaced by IFB398 from 2021] Design and Development of **IGB388 Immersive Environments** [IGB320 replaced by IGB388 from 2021] Note: if you have completed IFB398 in

your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.

Year 4, Semester 2		
IFB399	Capstone Project (Phase 2)	
IGB400	Game Studio 3: Game Innovation	
ILO DOOL		

[IGB301 replaced by IFB399 from 2021]

Note: if you have completed IFB399 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2

\$	
Code	Title
Year 1, S	Semester 1
IGB180	Computer Games Studies
IGB181	Game Production and Technology
Year 1, S	Semester 2
IFB103	IT Systems Design
IFB104	Building IT Systems
Year 2, S	Semester 1
IGB100	Game Studio 1: Mini-Game Development
BGIE Co	re Unit Option
Year 2, S	Semester 2
CAB201	Programming Principles
IGB283	Game Engine Theory and Application
Year 3, S	Semester 1
CAB301	Algorithms and Complexity
BGIE Co	re Unit Option
Year 3, S	Semester 2
IGB200	Game Studio 2: Applied Game Development
IGB381	Game Engine Technology
Year 4, S	Semester 1
IFB398	Capstone Project (Phase 1)
IGB383	AI for Games
[IGB300	replaced by IFB398 from 2021]
your prev will need code. Ple assistance	ou have completed IFB398 in vious studies e.g. IN01 BIT, you to enrol in an alternative unit ease contact the faculty for ce in updating your Study Plan gly and to inform the itor.
Year 4, S	Semester 2
IFB399	Capstone Project (Phase 2)
IGB400	Game Studio 3: Game Innovation
[IGB301	replaced by IFB399 from 2021]
	ou have completed IFB399 in

Note: if you have completed IFB399 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.

Semesters

- Applied and Computational Mathematics Major unit set:
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
 Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2

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Bachelor of Games and Interactive Environments/Bachelor of Mathematics

Code	Title	
Applied and Computational Mathematics Major unit set:		
Year 1 Se	emester 1	
MXB102	Abstract Mathematical Reasoning	
MXB106	Linear Algebra	
Year 1 Se	emester 2	
MXB105	Calculus and Differential Equations	
MXB161	Computational Explorations	
Year 2 Se	emester 1	
MXB101	Probability and Stochastic Modelling 1	
Maths Co	re Options Unit	
Year 2 Se	emester 2	
MXB103	Introductory Computational Mathematics	
MXB107	Introduction to Statistical Modelling	
Year 3 Se	emester 1	
MXB201	Advanced Linear Algebra	
MXB225	Modelling with Differential Equations 1	
Year 3 Se	emester 2	
MXB202	Advanced Calculus	
MXB226	Computational Methods 1	
Year 4 Se	emester 1	
MXB322	Partial Differential Equations	
MXB326	Computational Methods 2	
Year 4 Se	emester 2	
MXB325	Modelling with Differential Equations 2	
MXB328	Work Integrated Learning in Applied and Computational Mathematics	

Semesters

- Operations Research Major unit set:
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2 ٠ Year 4 Semester 1
- Year 4 Semester 2 •

Code	Title	
Operations Research Major unit set:		
Year 1 Semester 1		
MXB102	Abstract Mathematical Reasoning	
MXB106	Linear Algebra	
Year 1 Semester 2		
MXB105	Calculus and Differential Equations	
MXB161	Computational Explorations	
Year 2 Semester 1		

MXB101	Probability and Stochastic Modelling 1	
Maths Core Options Unit		
Year 2 Semester 2		
MXB103	Introductory Computational Mathematics	
MXB107	Introduction to Statistical Modelling	
Year 3 Se	emester 1	
MXB201	Advanced Linear Algebra	
MXB232	Introduction to Operations Research	
Year 3 Semester 2		
MXB202	Advanced Calculus	
MXB241	Probability and Stochastic Modelling 2	
Year 4 Semester 1		
MXB332	Optimisation Modelling	
MXB341	Statistical Inference	
Year 4 Semester 2		
MXB334	Operations Research for Stochastic Processes	
MXB338	Work Integrated Learning in Operations Research	

Semesters

- Statistics Major unit set:
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2 •
- Year 3 Semester 1 . •
- Year 3 Semester 2
- Year 4 Semester 1 Year 4 Semester 2

r unit set:

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Year 1 Semester 1			
MXB102	Abstract Mathematical Reasoning		
MXB106	Linear Algebra		
Year 1 Se	Year 1 Semester 2		
MXB105	Calculus and Differential Equations		
MXB161	Computational Explorations		
Year 2 Se	emester 1		
MXB101	Probability and Stochastic Modelling 1		
Maths Co	Maths Core Options Unit		
Year 2 Se	Year 2 Semester 2		
MXB103	Introductory Computational Mathematics		
MXB107	Introduction to Statistical Modelling		
Year 3 Se	Year 3 Semester 1		
MXB201	Advanced Linear Algebra		
MXB242	Regression and Design		
Year 3 Semester 2			

MXB202	Advanced Calculus
MXB241	Probability and Stochastic Modelling 2
Year 4 Se	emester 1
MXB341	Statistical Inference
MXB344	Generalised Linear Models
Year 4 Se	emester 2
MXB343	Modelling Dependent Data
MXB348	Work Integrated Learning in Statistics



Year	2022
QUT code	SE80
CRICOS	084924E
Duration (full-time)	5 years
Duration (part-time domestic)	9 years
ATAR/Selection rank	78.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2022: CSP \$7,300 per year full-time (96 credit points)
International fee (indicative)	2022: \$38,700 per year full-time (96 credit points)
Total credit points	480
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Jacob Coetzee (Engineering); Dr Graham Johnson (Science)
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Year 12 early offer scheme

If you're a current Queensland Year 12 student, you may be eligible to receive an offer for this course on the last day of Queensland Year 12, before receiving your ATAR or selection rank.

Find out more about the QUT Year 12 Early Offer Scheme>

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4. C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Assumed knowledge

• Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English

requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing 6.0		
Speaking 6.0		

Domestic Course structure

To graduate with a Bachelor of Engineering (Honours) in SE80, students are required to complete 288 credit points of course units, as outlined below:

- First year: four (4) core units 48cp + two (2) discipline foundation units 24cp + two (2) option units 24cp (96 credit points)
- Major: one (1) block of eight (8) major units 96cp plus eight (8) honours-level units 96cp (192 credit points).

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x advanced major units 60cp.

To graduate with a Bachelor of Science in SE80, students are required to complete

192 credit points of course units, as outlined below:

- 5 units (60 credit points) of science core units, which includes 1 unit (12 credit points) of option units selected from an approved list. • 11 units (132 credit points) of Major
- core units.

International Course

structure

To graduate with a Bachelor of Engineering (Honours) in SE80, students are required to complete 288 credit points of course units, as outlined below:

- First year: four (4) core units 48cp + two (2) discipline foundation units 24cp + two (2) option units 24cp (96 credit points)
- Major: one (1) block of eight (8) major units 96cp plus eight (8) honours-level units 96cp (192 credit points).

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x advanced major units 60cp.

To graduate with a Bachelor of Science in SE80, students are required to complete 192 credit points of course units, as outlined below:

- 5 units (60 credit points) of science core units, which includes 1 unit (12 credit points) of option units selected from an approved list.
- 11 units (132 credit points) of Major core units.

Sample Structure

- **Semesters** Semester 1 (February)
 - **commencements** . Year 1 Semester 1
 - Year 1 Semester 2
 - ٠
 - Year 2 Semester 1 Year 2 Semester 2
 - Year 3 Semester 1 •
 - Year 3 Semester 2 •
 - Year 4 Semester 1
 - Year 4 Semester 2 ٠
 - Semester 2 (July) commencements
 - Year 1, Semester 2 •
 - Year 2, Semester 1 Year 2, Semester 2 •
 - .
 - Year 3, Semester 1
 - ٠ Year 3, Semester 2
 - Year 4, Semester 1
 - Year 4, Semester 2 .
 - Year 5, Semester 1

Code Title

Semester 1 (February) commencements

Year 1 Semester 1

SEB104 Grand Challenges in Science



SEB113	Quantitative Methods in Science		
Year 1 S	emester 2		
Science	Core Unit Option	Semeste	ers
Science l	Major Unit Option		nester 1 (February)
Year 2 S	emester 1	<u>com</u>	mencements
SEB115	Experimental Science 1	 Year 1 Semester 1 Year 1 Semester 2 	
SEB116	Experimental Science 2	• Yea	r 2 Semester 1
Year 2 S	emester 2		r 2 Semester 2
BVB101	Foundations of Biology		<u>r 3 Semester 1</u> r 3 Semester 2
BVB102	Evolution	 Yea 	r 4 Semester 1
Year 3 S	emester 1		r 4 Semester 2
BVB202	Experimental Design and Quantitative Methods	• <u>Yea</u>	nester 2 (July) commencemer r 1, Semester 2 r 2, Semester 1
BVB301	Animal Biology	• <u>Yea</u>	r 2, Semester 2
Year 3 S	emester 2		<u>r 3, Semester 1</u> r 3, Semester 2
BVB201	Biological Processes		r 4, Semester 1
BVB204	-		r 4, Semester 2
Year <u>4 S</u>	emester 1	• <u>Yea</u>	<u>r 5, Semester 1</u>
	Plant Biology	Code	Title
BVB305	Microbiology and the Environment		r 1 (February) commencemer emester 1
Year 4 S	emester 2		Experimental Science 1
BVB304	Integrative Biology	SEB116	· ·
BVB313	Population Genetics and Molecular Ecology	Year 1 S CVB101	emester 2
Semeste	r 2 (July) commencements	CVBIUI	Chemical Structure and
	Semester 2	CVB102	Reactivity
SEB104		Year 2 S	emester 1
SEB113	Quantitative Methods in Science	SEB104	
Year 2, S	Semester 1	SEB113	Science
	Experimental Science 1	Year 2 S	emester 2
SEB116	•		Chemical Measurement
Year 2, S	Semester 2	CVB210	Science
BVB101	Foundations of Biology	Science	Core Unit Option
BVB102	Evolution	Year 3 S	emester 1
Year 3, S	Semester 1	CVB201	Inorganic Chemistry
	Experimental Design and	CVB202	Analytical Chemistry
BVB202	Quantitative Methods	Year 3 S	emester 2
BVB301	Animal Biology	CVB203	Physical Chemistry
Year 3, S BVB201	emester 2 Biological Processes	CVB204	Organic Structure and Mechanisms
BVB204	Ecology	Year 4 S	emester 1
Year 4, S BVB203	Semester 1	CVB301	Organic Chemistry: Strategie for Synthesis
010200	Microbiology and the	CVB302	Applied Physical Chemistry
BVB305	Environment	Year 4 S	emester 2
Year 4. S	Semester 2		Coordination Chemistry
BVB304		CVB304	-
2001	Population Genetics and Molecular Ecology	Semeste	r 2 (July) commencements Semester 2
BVB313			emesier z
Year 5, S	Semester 1 Core Unit Option	SEB104	

Year 2, S	emester 1	
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
Year 2, S	emester 2	
CVB101	General Chemistry	
CVB102	Chemical Structure and Reactivity	
Year 3, S	emester 1	
CVB201	Inorganic Chemistry	
CVB202	Analytical Chemistry	
Year 3, S	emester 2	
CVB203	Physical Chemistry	
CVB204	Organic Structure and Mechanisms	
Year 4, Semester 1		
CVB301	Organic Chemistry: Strategies for Synthesis	
CVB302	Applied Physical Chemistry	
Year 4, S	emester 2	
CVB210	Chemical Measurement Science	
CVB303	Coordination Chemistry	
Year 5, S	emester 1	
CVB304	Chemistry Research Project	
Science (Core Unit Option	
Semesters <u>Semester 1 (February)</u> <u>commencements</u> Year 1 Semester 1 		

Year 1 Semest	er 1	1
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- Year 1 Semester 2 Year 2 Semester 1 Year 2 Semester 1 •
- •
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2 •
- Semester 2 (July) commencements •
- Year 1, Semester 2 .
- Year 2, Semester 1 Year 2, Semester 2 •
- ٠
- Year 3, Semester 1
- Year 3, Semester 2 .
- Year 4, Semester 1 Year 4, Semester 2
- Year 5, Semester 1

Code	Title		
Semester 1 (February) commencements			
Year 1 Se	Year 1 Semester 1		
SEB104	Grand Challenges in Science		
SEB113	Quantitative Methods in Science		
Year 1 Se	Year 1 Semester 2		
Science Core Unit Option			
Science Major Unit Option			
Year 2 Semester 1			
SEB115	Experimental Science 1		
SEB116	Experimental Science 2		
Year 2 Semester 2			



ERB101	Earth Systems
ERB102	Evolving Earth
Year 3 Se	emester 1
ERB201	Destructive Earth: Natural Hazards
ERB202	Marine and Atmospheric Systems
Year 3 Se	emester 2
ERB203	Sedimentary Geology and Stratigraphy
ERB204	Deforming Earth: Fundamentals of Structural Geology
Year 4 Se	emester 1
ERB301	Chemical Earth
ERB302	Applied Geophysics
Year 4 Se	emester 2
ERB303	Energy Resources and Basin Analysis
ERB304	Dynamic Earth: Plate Tectonics
Semester	2 (July) commencements
Year 1, S	emester 2
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 2, S	emester 1
SEB115	Experimental Science 1
SEB116	Experimental Science 2
SEDITO	Experimental Science 2
	emester 2
	•
Year 2, S	emester 2
Year 2, S ERB101 ERB102	emester 2 Earth Systems
Year 2, S ERB101 ERB102	emester 2 Earth Systems Evolving Earth
Year 2, S ERB101 ERB102 Year 3, S	emester 2 Earth Systems Evolving Earth emester 1 Destructive Earth: Natural
Year 2, S ERB101 ERB102 Year 3, S ERB201 ERB202	emester 2 Earth Systems Evolving Earth emester 1 Destructive Earth: Natural Hazards Marine and Atmospheric
Year 2, S ERB101 ERB102 Year 3, S ERB201 ERB202	emester 2 Earth Systems Evolving Earth emester 1 Destructive Earth: Natural Hazards Marine and Atmospheric Systems
Year 2, S ERB101 ERB102 Year 3, S ERB201 ERB202 Year 3, S ERB203 ERB204	emester 2 Earth Systems Evolving Earth emester 1 Destructive Earth: Natural Hazards Marine and Atmospheric Systems emester 2 Sedimentary Geology and Stratigraphy Deforming Earth: Fundamentals of Structural Geology
Year 2, S ERB101 ERB102 Year 3, S ERB201 ERB202 Year 3, S ERB203 ERB204	emester 2 Earth Systems Evolving Earth emester 1 Destructive Earth: Natural Hazards Marine and Atmospheric Systems emester 2 Sedimentary Geology and Stratigraphy Deforming Earth: Fundamentals of Structural
Year 2, S ERB101 ERB102 Year 3, S ERB201 ERB202 Year 3, S ERB203 ERB204	emester 2 Earth Systems Evolving Earth emester 1 Destructive Earth: Natural Hazards Marine and Atmospheric Systems emester 2 Sedimentary Geology and Stratigraphy Deforming Earth: Fundamentals of Structural Geology
Year 2, S ERB101 ERB102 Year 3, S ERB201 ERB202 Year 3, S ERB203 ERB204 Year 4, S	emester 2 Earth Systems Evolving Earth emester 1 Destructive Earth: Natural Hazards Marine and Atmospheric Systems emester 2 Sedimentary Geology and Stratigraphy Deforming Earth: Fundamentals of Structural Geology emester 1
Year 2, S ERB101 ERB102 Year 3, S ERB201 ERB202 Year 3, S ERB203 ERB204 Year 4, S ERB301 ERB302	emester 2 Earth Systems Evolving Earth emester 1 Destructive Earth: Natural Hazards Marine and Atmospheric Systems emester 2 Sedimentary Geology and Stratigraphy Deforming Earth: Fundamentals of Structural Geology emester 1 Chemical Earth
Year 2, S ERB101 ERB102 Year 3, S ERB201 ERB202 Year 3, S ERB203 ERB204 Year 4, S ERB301 ERB302	emester 2 Earth Systems Evolving Earth emester 1 Destructive Earth: Natural Hazards Marine and Atmospheric Systems emester 2 Sedimentary Geology and Stratigraphy Deforming Earth: Fundamentals of Structural Geology emester 1 Chemical Earth Applied Geophysics
Year 2, S ERB101 ERB102 Year 3, S ERB201 ERB202 Year 3, S ERB203 ERB204 Year 4, S ERB301 ERB302 Year 4, S	emester 2 Earth Systems Evolving Earth emester 1 Destructive Earth: Natural Hazards Marine and Atmospheric Systems emester 2 Sedimentary Geology and Stratigraphy Deforming Earth: Fundamentals of Structural Geology emester 1 Chemical Earth Applied Geophysics emester 2 Energy Resources and Basin
Year 2, S ERB101 ERB102 Year 3, S ERB201 ERB202 Year 3, S ERB203 ERB204 Year 4, S ERB301 ERB302 Year 4, S ERB303 ERB303	emester 2 Earth Systems Evolving Earth emester 1 Destructive Earth: Natural Hazards Marine and Atmospheric Systems emester 2 Sedimentary Geology and Stratigraphy Deforming Earth: Fundamentals of Structural Geology emester 1 Chemical Earth Applied Geophysics emester 2 Energy Resources and Basin Analysis Dynamic Earth: Plate
Year 2, S ERB101 ERB102 Year 3, S ERB201 ERB202 Year 3, S ERB203 ERB203 ERB204 Year 4, S ERB301 ERB302 Year 4, S ERB303 ERB303 ERB304 Year 5, S	emester 2 Earth Systems Evolving Earth emester 1 Destructive Earth: Natural Hazards Marine and Atmospheric Systems emester 2 Sedimentary Geology and Stratigraphy Deforming Earth: Fundamentals of Structural Geology emester 1 Chemical Earth Applied Geophysics emester 2 Energy Resources and Basin Analysis Dynamic Earth: Plate Tectonics
Year 2, S ERB101 ERB102 Year 3, S ERB201 ERB202 Year 3, S ERB203 ERB203 ERB204 Year 4, S ERB301 ERB302 Year 4, S ERB303 ERB304 Year 5, S Science (emester 2 Earth Systems Evolving Earth emester 1 Destructive Earth: Natural Hazards Marine and Atmospheric Systems emester 2 Sedimentary Geology and Stratigraphy Deforming Earth: Fundamentals of Structural Geology emester 1 Chemical Earth Applied Geophysics emester 2 Energy Resources and Basin Analysis Dynamic Earth: Plate Tectonics

Semesters		
 <u>Semester 1 (February)</u> commencements 		
Year 1 Semester 1		
Year 1 Semester 2		
Year 2 Semester 1 Year 2 Semester 2		
Year 2 Semester 2 Year 3 Semester 1		
 Year 	<u>3 Semester 2</u>	
	4 Semester 1	
	<u>4 Semester 2</u> ester 2 (July) commencements	
 Year 	1, Semester 2	
	2, Semester 1 2, Semester 2	
• Year	3, Semester 1	
 Year 	<u>3, Semester 2</u>	
• <u>Year</u> • Year	<u>4, Semester 1</u> <u>4, Semester 2</u>	
• Year	5, Semester 1	
	Title	
Year 1 Se	1 (February) commencements	
	Grand Challenges in Science	
SEB113	Quantitative Methods in Science	
Year 1 Se		
	ore Unit Option	
	lajor Unit Option	
Year 2 Se		
	Experimental Science 1	
	Experimental Science 2	
Year 2 Se		
	mester 2	
ERB101	Earth Systems	
ERB101 EVB102	Earth Systems Ecosystems and the Environment	
ERB101 EVB102 Year 3 Se	Earth Systems Ecosystems and the Environment mester 1	
ERB101 EVB102 Year 3 Se	Earth Systems Ecosystems and the Environment	
ERB101 EVB102 Year 3 Se BVB202	Earth Systems Ecosystems and the Environment mester 1 Experimental Design and Quantitative Methods Geospatial Information	
ERB101 EVB102 Year 3 Se BVB202 EVB203	Earth Systems Ecosystems and the Environment mester 1 Experimental Design and Quantitative Methods Geospatial Information Science	
ERB101 EVB102 Year 3 Se BVB202 EVB203 Year 3 Se	Earth Systems Ecosystems and the Environment mester 1 Experimental Design and Quantitative Methods Geospatial Information Science mester 2	
ERB101 EVB102 Year 3 Se BVB202 EVB203 Year 3 Se BVB204	Earth Systems Ecosystems and the Environment mester 1 Experimental Design and Quantitative Methods Geospatial Information Science mester 2 Ecology	
ERB101 EVB102 Year 3 Se BVB202 EVB203 Year 3 Se BVB204 EVB302	Earth Systems Ecosystems and the Environment mester 1 Experimental Design and Quantitative Methods Geospatial Information Science mester 2 Ecology Environmental Pollution	
ERB101 EVB102 Year 3 Se BVB202 EVB203 Year 3 Se BVB204 EVB302 Year 4 Se	Earth Systems Ecosystems and the Environment mester 1 Experimental Design and Quantitative Methods Geospatial Information Science mester 2 Ecology Environmental Pollution mester 1	
ERB101 EVB102 Year 3 Se BVB202 EVB203 Year 3 Se BVB204 EVB302 Year 4 Se BVB311	Earth Systems Ecosystems and the Environment mester 1 Experimental Design and Quantitative Methods Geospatial Information Science mester 2 Ecology Environmental Pollution mester 1 Conservation Biology	
ERB101 EVB102 Year 3 Se BVB202 EVB203 Year 3 Se BVB204 EVB302 Year 4 Se BVB311 EVB312	Earth Systems Ecosystems and the Environment mester 1 Experimental Design and Quantitative Methods Geospatial Information Science mester 2 Ecology Environmental Pollution mester 1 Conservation Biology Soils and the Environment	
ERB101 EVB102 Year 3 Se BVB202 EVB203 Year 3 Se BVB204 EVB302 Year 4 Se BVB311 EVB312 Year 4 Se	Earth Systems Ecosystems and the Environment mester 1 Experimental Design and Quantitative Methods Geospatial Information Science mester 2 Ecology Environmental Pollution mester 1 Conservation Biology Soils and the Environment mester 2	
ERB101 EVB102 Year 3 Se BVB202 EVB203 Year 3 Se BVB204 EVB302 Year 4 Se BVB311 EVB312 Year 4 Se ERB310	Earth Systems Ecosystems and the Environment mester 1 Experimental Design and Quantitative Methods Geospatial Information Science mester 2 Ecology Environmental Pollution mester 1 Conservation Biology Soils and the Environment mester 2 Groundwater Systems	
ERB101 EVB102 Year 3 Se BVB202 EVB203 Year 3 Se BVB204 EVB302 Year 4 Se BVB311 EVB312 Year 4 Se ERB310 EVB304	Earth Systems Ecosystems and the Environment mester 1 Experimental Design and Quantitative Methods Geospatial Information Science mester 2 Ecology Environmental Pollution mester 1 Conservation Biology Soils and the Environment mester 2	
ERB101 EVB102 Year 3 Se BVB202 EVB203 Year 3 Se BVB204 EVB302 Year 4 Se BVB311 EVB312 Year 4 Se ERB310 EVB304	Earth Systems Ecosystems and the Environment mester 1 Experimental Design and Quantitative Methods Geospatial Information Science mester 2 Ecology Environmental Pollution mester 1 Conservation Biology Soils and the Environment mester 2 Groundwater Systems Case Studies in	
ERB101 EVB102 Year 3 Se BVB202 EVB203 Year 3 Se BVB204 EVB302 Year 4 Se BVB311 EVB312 Year 4 Se ERB310 EVB304	Earth Systems Ecosystems and the Environment mester 1 Experimental Design and Quantitative Methods Geospatial Information Science mester 2 Ecology Environmental Pollution mester 1 Conservation Biology Soils and the Environment mester 2 Groundwater Systems Case Studies in Environmental Science 2 (July) commencements	
ERB101 EVB102 Year 3 Se BVB202 EVB203 Year 3 Se BVB204 EVB302 Year 4 Se BVB311 EVB312 Year 4 Se ERB310 EVB304 Semester Year 1, Se	Earth Systems Ecosystems and the Environment mester 1 Experimental Design and Quantitative Methods Geospatial Information Science mester 2 Ecology Environmental Pollution mester 1 Conservation Biology Soils and the Environment mester 2 Groundwater Systems Case Studies in Environmental Science 2 (July) commencements	
ERB101 EVB102 Year 3 Se BVB202 EVB203 Year 3 Se BVB204 EVB302 Year 4 Se BVB311 EVB312 Year 4 Se ERB310 EVB304 Semester Year 1, Se SEB104	Earth Systems Ecosystems and the Environment mester 1 Experimental Design and Quantitative Methods Geospatial Information Science mester 2 Ecology Environmental Pollution mester 1 Conservation Biology Soils and the Environment mester 2 Groundwater Systems Case Studies in Environmental Science 2 (July) commencements emester 2	
ERB101 EVB102 Year 3 Se BVB202 EVB203 Year 3 Se BVB204 EVB302 Year 4 Se BVB311 EVB312 Year 4 Se ERB310 EVB304 Semester Year 1, Se SEB104	Earth Systems Ecosystems and the Environment mester 1 Experimental Design and Quantitative Methods Geospatial Information Science mester 2 Ecology Environmental Pollution mester 1 Conservation Biology Soils and the Environment mester 2 Groundwater Systems Case Studies in Environmental Science 2 (July) commencements emester 2 Grand Challenges in Science	
ERB101 EVB102 Year 3 Se BVB202 EVB203 Year 3 Se BVB204 EVB302 Year 4 Se BVB311 EVB312 Year 4 Se ERB310 EVB304 Semester Year 1, Se SEB104	Earth Systems Ecosystems and the Environment mester 1 Experimental Design and Quantitative Methods Geospatial Information Science mester 2 Ecology Environmental Pollution mester 1 Conservation Biology Soils and the Environment mester 2 Groundwater Systems Case Studies in Environmental Science 2 (July) commencements emester 2 Grand Challenges in Science Quantitative Methods in Science	
ERB101 EVB102 Year 3 Se BVB202 EVB203 Year 3 Se BVB204 EVB302 Year 4 Se BVB311 EVB312 Year 4 Se ERB310 EVB304 Semester Year 1, Se SEB104 SEB113 Year 2, Se	Earth Systems Ecosystems and the Environment mester 1 Experimental Design and Quantitative Methods Geospatial Information Science mester 2 Ecology Environmental Pollution mester 1 Conservation Biology Soils and the Environment mester 2 Groundwater Systems Case Studies in Environmental Science 2 (July) commencements emester 2 Grand Challenges in Science Quantitative Methods in Science	
ERB101 EVB102 Year 3 Se BVB202 EVB203 Year 3 Se BVB204 EVB302 Year 4 Se BVB311 EVB312 Year 4 Se ERB310 EVB304 Semester Year 1, Se SEB104 SEB113 Year 2, Se	Earth Systems Ecosystems and the Environment mester 1 Experimental Design and Quantitative Methods Geospatial Information Science mester 2 Ecology Environmental Pollution mester 1 Conservation Biology Soils and the Environment mester 2 Groundwater Systems Case Studies in Environmental Science 2 (July) commencements emester 2 Grand Challenges in Science Quantitative Methods in Science emester 1	

Year 2, S	emester 2	
ERB101	Earth Systems	
EVB102	Ecosystems and the Environment	
Year 3, S	emester 1	
BVB202	Experimental Design and Quantitative Methods	
EVB203	Geospatial Information Science	
Year 3, S	emester 2	
BVB204	Ecology	
EVB302	Environmental Pollution	
Year 4, S	emester 1	
BVB311	Conservation Biology	
EVB312	Soils and the Environment	
Year 4, Semester 2		
ERB310	Groundwater Systems	
EVB304	Case Studies in Environmental Science	
Year 5, S	emester 1	
Science Core Unit Option		

Semesters

• <u>Serr</u>	nester 1 (February)
com	mencements
	r 1 Semester 1
• Yea	r 1 Semester 2
 Year 	r 2 Semester 1
 Year 	r 2 Semester 2
 Year 	r 3 Semester 1
	r <u>3 Semester 2</u>
• <u>Yea</u>	r 4 Semester 1
• <u>Yea</u>	r 4 Semester 2
• <u>Sem</u>	nester 2 (July) commencements
	<u>r 1, Semester 2</u>
	<u>r 2, Semester 1</u>
• <u>Yea</u>	<u>r 2, Semester 2</u>
	<u>r 3, Semester 1</u>
	r 3, Semester 2
 Vea 	r / Somostor 1
	r 4, Semester 1
• <u>Yea</u>	r 4, Semester 2
• <u>Yea</u>	
• <u>Yea</u> • <u>Yea</u>	r <u>4, Semester 2</u> r <u>5, Semester 1</u>
• <u>Yea</u> • <u>Yea</u> Code	r 4, Semester 2 r 5, Semester 1 Title
• <u>Yea</u> • <u>Yea</u> Code	r <u>4, Semester 2</u> r <u>5, Semester 1</u>
• <u>Yea</u> • <u>Yea</u> Code	<u>r 4, Semester 2</u> <u>r 5, Semester 1</u> Title r 1 (February) commencements
• <u>Yea</u> • <u>Yea</u> Code Semester Year 1 Se	<u>r 4, Semester 2</u> <u>r 5, Semester 1</u> Title r 1 (February) commencements
• <u>Yea</u> • <u>Yea</u> Code Semester	<u>r 4, Semester 2</u> <u>r 5, Semester 1</u> Title r 1 (February) commencements emester 1
• <u>Yea</u> • <u>Yea</u> Code Semester Year 1 Se	r <u>4, Semester 2</u> r <u>5, Semester 1</u> Title r 1 (February) commencements emester 1 Quantitative Methods in Science
• Yea • Yea Code Semester Year 1 Se SEB113 SEB115	r <u>4, Semester 2</u> r <u>5, Semester 1</u> Title r 1 (February) commencements emester 1 Quantitative Methods in Science
• Yea • Yea • Yea Semester Year 1 Se SEB113 SEB115 Year 1 Se	r 4, Semester 2 r 5, Semester 1 Title r 1 (February) commencements emester 1 Quantitative Methods in Science Experimental Science 1 emester 2
• Yea • Yea • Yea Code Semester Year 1 Se SEB113 SEB115 Year 1 Se PVB102	r 4, Semester 2 r 5, Semester 1 Title r 1 (February) commencements emester 1 Quantitative Methods in Science Experimental Science 1 emester 2 Physics of the Very Small
• Yea • Yea • Yea Semester Year 1 Se SEB113 SEB115 Year 1 Se PVB102 SEB104	r 4, Semester 2 r 5, Semester 1 Title r 1 (February) commencements emester 1 Quantitative Methods in Science Experimental Science 1 emester 2 Physics of the Very Small Grand Challenges in Science
• Yea • Yea • Yea Code Semester Year 1 Se SEB113 SEB115 Year 1 Se PVB102	r 4, Semester 2 r 5, Semester 1 Title r 1 (February) commencements emester 1 Quantitative Methods in Science Experimental Science 1 emester 2 Physics of the Very Small Grand Challenges in Science

SEB116 Experimental Science 2

QUT

PVB200 Computational and

Year 2 Semester 2

the university for the real world

	Mathematical Physics
Science C	Core Unit Option
Year 3 Se	emester 1
PQB360	Introduction to Climate Change
PVB210	Stellar Astrophysics
Year 3 Se	emester 2
PVB204	Electromagnetism
PVB220	Cosmology
Year 4 Se	
PVB301	Materials and Thermal Physics
PVB302	Classical and Quantum Physics
Year 4 Se	emester 2
PVB303	Nuclear and Particle Physics
PVB304	Physics Research
	2 (July) commencements
Year 1, S	emester 2
PVB102	Physics of the Very Small
SEB104	Grand Challenges in Science
Year 2, S	emester 1
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, S	emester 2
PVB200	Computational and Mathematical Physics
SEB113	Quantitative Methods in Science
Year 3, S	emester 1
PVB203	Experimental Physics
PVB210	Stellar Astrophysics
Year 3, S	emester 2
PVB204	Electromagnetism
PVB220	Cosmology
Year 4, S	emester 1
PVB301	Materials and Thermal Physics
PVB302	Classical and Quantum Physics
Year 4, S	emester 2
PVB303	Nuclear and Particle Physics
PVB304	Physics Research
Year 5, S	emester 1
PQB360	Introduction to Climate Change
Science C	Core Unit Option

Semesters

- Semester 1 (February)
- **commencements**
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
 Year 3 Semester 2
- Year 4, Semester 1 ٠
- Year 4 - Semester 2

 Year 5 - Semester 1 • Year 5 - Semester 2

<u></u>		
Code	Title	
Semester	1 (February) commencements	
Year 2 - 5	Semester 1	
EGB160	Process Principles	
EGB161	Foundations of Engineering Chemistry	
Year 2 - 5	Semester 2	
EGB121	Engineering Mechanics	
MZB127	Engineering Mathematics and Statistics	
Year 3 - 5	Semester 1	
EGB261	Unit Operations	
EGB323	Fluid Mechanics	
Year 3 - 5	Semester 2	
EGB263	Process Systems	
EGB264	Engineering Chemistry	
Year 4, S	emester 1	
EGH404	Research in Engineering Practice	
EGB362	Operations Management and Process Economics	
Year 4 - S	Semester 2	
EGB322	Thermodynamics	
EGB364	Process Modelling	
Year 5 - 5	Semester 1	
EGB361	Minerals Processing	
EGH408	Research Project	
EGH463	Process Design	
Year 5 - 5	Semester 2	
EGH422	Heat Transfer	
EGH423	Fluid Dynamics	
EGH411	Sustainable Chemical Engineering in Practice	
EGH462	Process Control	

Semesters

- <u>Semester 1 (February)</u> commencements Year 1 - Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1 Year 3 - Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1
 Year 5 Semester 2

Code	Title
Semester	1 (February) commencements
Year 1 - 8	Semester 1
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics

OR	
MXB161	Computational Explorations
Year 1 - S	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - S	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - S	Semester 2
EGB120	Foundations of Electrical Engineering
Foundatio	on Unit Option
Year 3 - 8	Semester 1
EGB261	Unit Operations
EGB323	Fluid Mechanics
Year 3 - S	Semester 2
CVB101	General Chemistry
EGB322	Thermodynamics
Year 4 - S	Semester 1
EGB262	Process Principles
EGB361	Minerals Processing
Year 4 - S	Semester 2
EGB364	Process Modelling
EGH411	Sustainable Chemical Engineering in Practice
Year 5 - S	Semester 1
EGB362	Operations Management and Process Economics
EGH400 -1	Research Project 1
EGH404	Research in Engineering Practice
EGH463	Process Design
Year 5 - S	Semester 2
EGH400 -2	Research Project 2
EGH422	Heat Transfer
EGH423	Fluid Dynamics
EGH462	Process Control

Semesters

- Semester 1 (February) <u>commencements</u>
- Year 2 Semester 1
 Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4, Semester 1
- Year 4 Semester 2
- Year 5 Semester 1
- Year 5 Semester 2

Code Title

Semester 1 (February) commencements Year 2 - Semester 1

EGB121 Engineering Mechanics



MZB127	Engineering Mathematics and Statistics	
Year 2 - 5	Semester 2	
EGB123	Civil Engineering Systems	
EGB124	Engineering for the Environment	
Year 3 - S	Semester 1	
EGB270	Civil Engineering Materials	
EGB272	Traffic and Transport Engineering	
Year 3 - S	Semester 2	
EGB273	Principles of Construction	
EGB373	Geotechnical Engineering	
Year 4, S	emester 1	
EGB275	Structural Mechanics	
EGB371	Engineering Hydraulics	
Year 4 - S	Semester 2	
EGB376	Steel Design	
EGH471	Advanced Water Engineering	
Year 5 - Semester 1		
Year 5 - S	Semester 1	
Year 5 - 8 EGB375	Semester 1 Design of Concrete Structures	
EGB375 EGH400	Design of Concrete Structures	
EGB375 EGH400 -1	Design of Concrete Structures Research Project 1 Research in Engineering	
EGB375 EGH400 -1 EGH404 EGH473	Design of Concrete Structures Research Project 1 Research in Engineering Practice Advanced Geotechnical	
EGB375 EGH400 -1 EGH404 EGH473	Design of Concrete Structures Research Project 1 Research in Engineering Practice Advanced Geotechnical Engineering	
EGB375 EGH400 -1 EGH404 EGH473 Year 5 - S EGH400	Design of Concrete Structures Research Project 1 Research in Engineering Practice Advanced Geotechnical Engineering Semester 2	
EGB375 EGH400 -1 EGH404 EGH473 Year 5 - S EGH400 -2	Design of Concrete Structures Research Project 1 Research in Engineering Practice Advanced Geotechnical Engineering Semester 2 Research Project 2 Advanced Highway and	
EGB375 EGH400 -1 EGH404 EGH473 Year 5 - S EGH400 -2 EGH472 EGH479	Design of Concrete Structures Research Project 1 Research in Engineering Practice Advanced Geotechnical Engineering Semester 2 Research Project 2 Advanced Highway and Pavement Engineering Advances in Civil Engineering	
EGB375 EGH400 -1 EGH404 EGH473 Year 5 - S EGH400 -2 EGH472 EGH479	Design of Concrete Structures Research Project 1 Research in Engineering Practice Advanced Geotechnical Engineering Semester 2 Research Project 2 Advanced Highway and Pavement Engineering Advances in Civil Engineering Practice	
EGB375 EGH400 -1 EGH404 EGH473 Year 5 - S EGH400 -2 EGH472 EGH472 EGH479 One Adva	Design of Concrete Structures Research Project 1 Research in Engineering Practice Advanced Geotechnical Engineering Semester 2 Research Project 2 Advanced Highway and Pavement Engineering Advances in Civil Engineering Practice anced Civil Unit from Advanced Concrete	

Semesters

- Semester 1 (February)
- commencements
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1 ٠ Year 3 - Semester 2
- Year 4 Semester 1 ٠
- Year 4 - Semester 2
- Year 5 Semester 1
- Year 5 Semester 2 •

Code Title

Semester 1 (February) commenc		1 (February) commencements
Year 1 - Semester 1		
	EGB101	Engineering Design and Professional Practice

MZB125 Introductory Engineering Mathematics OR MXB161 Computational Explorations. If you have obtained Sound Achievement (or higher) in Mathematical Methods and Specialist Mathematics, you must choose MXB161 Computational Explorations.		
MZB125	Introductory Engineering Mathematics	
OR		
MXB161	Computational Explorations	
Year 1 - S	Semester 2	
EGB102	Fundamentals of Engineering Science	
EGB103	Computing and Data for Engineers	
Year 2 - S	Semester 1	
CAB201	Programming Principles	
EGB120	Foundations of Electrical Engineering	
Year 2 - S	Semester 2	
CAB202	Microprocessors and Digital Systems	
MZB127	Engineering Mathematics and Statistics	
Year 3 - S	Semester 1	
EGB242	Signal Analysis	
LODZ	Olghai / Talysis	
MZB221	Electrical Engineering Mathematics	
MZB221 Year 3 - S	Electrical Engineering Mathematics Semester 2	
MZB221 Year 3 - S	Electrical Engineering Mathematics	
MZB221 Year 3 - S Intermedi	Electrical Engineering Mathematics Semester 2	
MZB221 Year 3 - S Intermedi	Electrical Engineering Mathematics Semester 2 ate Electrical Option unit	
MZB221 Year 3 - S Intermedi Year 4 - S	Electrical Engineering Mathematics Semester 2 ate Electrical Option unit Semester 1	
MZB221 Year 3 - S Intermedi Year 4 - S CAB301 EGB240	Electrical Engineering Mathematics Semester 2 ate Electrical Option unit Semester 1 Algorithms and Complexity	
MZB221 Year 3 - S Intermedi Year 4 - S CAB301 EGB240 Year 4 - S	Electrical Engineering Mathematics Semester 2 ate Electrical Option unit Semester 1 Algorithms and Complexity Electronic Design	
MZB221 Year 3 - S Intermedi Year 4 - S CAB301 EGB240 Year 4 - S	Electrical Engineering Mathematics Semester 2 ate Electrical Option unit Semester 1 Algorithms and Complexity Electronic Design Semester 2	
MZB221 Year 3 - S Intermedi Year 4 - S CAB301 EGB240 Year 4 - S CAB240 EGH404	Electrical Engineering Mathematics Semester 2 ate Electrical Option unit Semester 1 Algorithms and Complexity Electronic Design Semester 2 Information Security Research in Engineering	
MZB221 Year 3 - S Intermedi Year 4 - S CAB301 EGB240 Year 4 - S CAB240 EGH404	Electrical Engineering Mathematics Semester 2 ate Electrical Option unit Semester 1 Algorithms and Complexity Electronic Design Semester 2 Information Security Research in Engineering Practice	
MZB221 Year 3 - S Intermedi Year 4 - S CAB301 EGB240 Year 4 - S CAB240 EGH404 Year 5 - S	Electrical Engineering Mathematics Semester 2 ate Electrical Option unit Semester 1 Algorithms and Complexity Electronic Design Semester 2 Information Security Research in Engineering Practice Semester 1	
MZB221 Year 3 - S Intermedi Year 4 - S CAB301 EGB240 Year 4 - S CAB240 EGH404 Year 5 - S CAB302 EGH400	Electrical Engineering Mathematics Semester 2 ate Electrical Option unit Semester 1 Algorithms and Complexity Electronic Design Semester 2 Information Security Research in Engineering Practice Semester 1 Software Development	
MZB221 Year 3 - S Intermedi Year 4 - S CAB301 EGB240 Year 4 - S CAB240 EGH404 Year 5 - S CAB302 EGH400 -1 EGH456 Advanced	Electrical Engineering Mathematics Semester 2 ate Electrical Option unit Semester 1 Algorithms and Complexity Electronic Design Semester 2 Information Security Research in Engineering Practice Semester 1 Software Development Research Project 1	
MZB221 Year 3 - S Intermedi Year 4 - S CAB301 EGB240 Year 4 - S CAB240 EGH404 Year 5 - S CAB302 EGH400 -1 EGH456 Advanced Systems	Electrical Engineering Mathematics Semester 2 ate Electrical Option unit Semester 1 Algorithms and Complexity Electronic Design Semester 2 Information Security Research in Engineering Practice Semester 1 Software Development Research Project 1 Embedded Systems Computer & Software	
MZB221 Year 3 - S Intermedi Year 4 - S CAB301 EGB240 Year 4 - S CAB240 EGH404 Year 5 - S CAB302 EGH400 -1 EGH456 Advanced Systems	Electrical Engineering Mathematics Semester 2 ate Electrical Option unit Semester 1 Algorithms and Complexity Electronic Design Semester 2 Information Security Research in Engineering Practice Semester 1 Software Development Research Project 1 Embedded Systems Computer & Software Option Unit	
MZB221 Year 3 - S Intermedi Year 4 - S CAB301 EGB240 Year 4 - S CAB240 EGH404 Year 5 - S CAB302 EGH400 -1 EGH456 Advanced Systems Year 5 - S EGH400	Electrical Engineering Mathematics Semester 2 ate Electrical Option unit Semester 1 Algorithms and Complexity Electronic Design Semester 2 Information Security Research in Engineering Practice Semester 1 Software Development Research Project 1 Embedded Systems Computer & Software Option Unit Semester 2	
MZB221 Year 3 - S Intermedi Year 4 - S CAB301 EGB240 Year 4 - S CAB240 EGH404 Year 5 - S CAB302 EGH400 -1 EGH456 Advanced Systems Year 5 - S EGH400 -2	Electrical Engineering Mathematics Semester 2 ate Electrical Option unit Semester 1 Algorithms and Complexity Electronic Design Semester 2 Information Security Research in Engineering Practice Semester 1 Software Development Research Project 1 Embedded Systems Computer & Software Option Unit Semester 2 Research Project 2	
MZB221 Year 3 - S Intermedi Year 4 - S CAB301 EGB240 Year 4 - S CAB240 EGH404 Year 5 - S CAB302 EGH400 -1 EGH456 Advanced Systems Year 5 - S EGH400 -2 CAB432 EGH455 Advanced	Electrical Engineering Mathematics Semester 2 ate Electrical Option unit Semester 1 Algorithms and Complexity Electronic Design Semester 2 Information Security Research in Engineering Practice Semester 1 Software Development Research Project 1 Embedded Systems Computer & Software Option Unit Semester 2 Research Project 2 Research Project 2 Cloud Computing	

Semesters

- Semester 1 (February) commencements
- Year 2 Semester 1
- Year 2 Semester 2

This information is correct as at 04/10/2022. For the most up-to-date course information, visit https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?courseCode=SE80&id=39035. CRICOS No.00213J

- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
 Year 5 Semester 1
- Year 5 Semester 2

• <u>Yea</u>	<u>r 5 - Semester 2</u>
Code	Title
Semester	1 (February) commencements
Year 2 - S	Semester 1
EGB121	Engineering Mechanics
MZB127	Engineering Mathematics and Statistics
Year 2 - 5	Semester 2
CAB202	Microprocessors and Digital Systems
EGB120	Foundations of Electrical Engineering
Year 3 - 5	Semester 1
EGB240	Electronic Design
MZB221	Electrical Engineering Mathematics
Year 3 - S	Semester 2
EGB242	Signal Analysis
Intermedi	ate Electrical Option Unit (1)
requisite	can be selected from the list. A waiver for this unit will be you are enrolled in EGB242 at time.
Year 4 - S	Semester 1
EGB340	Design and Practice
EGB241	Electromagnetics and Machines
Year 4 - S	Semester 2
EGB341	Energy Supply and Delivery
Intermedi	ate Electrical Option Unit (2)
Year 5 - S	Semester 1
EGH400 -1	Research Project 1
EGH404	Research in Engineering Practice
Advanced	Electrical Option Unit (1)
	Electrical Option Unit (2)
	Semester 2
EGH400 -2	Research Project 2
Advanced	d Electrical Option Unit (3)
Advanced	d Electrical Option Unit (4)

Semesters

- Semester 1 (February) commencements
- Year 2 Semester 1
- Year 2 Semester 2
 Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1



Year 5 - Semester 2

Code	Title	
Semester	1 (February) commencements	
Year 2 - S	Semester 1	
EGB120	Foundations of Electrical Engineering	
MZB127	Engineering Mathematics and Statistics	
Year 2 - S	Semester 2	
EGB121	Engineering Mechanics	
CAB202	Microprocessors and Digital Systems	
Year 3 - 5	Semester 1	
MZB221	Electrical Engineering Mathematics	
EGB240	Electronic Design	
Year 3 - S	Semester 2	
EGB242	Signal Analysis	
Intermedi Option Ur	ate Electrical and Aerospace	
Year 4 - S	Semester 1	
EGB243	Aircraft Systems and Flight	
EGB349	Systems Engineering and Design Project	
Year 4 - S	Semester 2	
EGB345	Control and Dynamic Systems	
EGB346	Unmanned Aircraft Systems	
Year 5 - S	Semester 1	
EGH400 -1	Research Project 1	
EGH404	Research in Engineering Practice	
EGH445	Modern Control	
Advanced Option Ur	Electrical and Aerospace	
Year 5 - Semester 2		
EGH400 -2	Research Project 2	
EGH450	Advanced Unmanned Aircraft Systems	
EGH446	Autonomous Systems	
Advanced Option Ur	d Electrical and Aerospace	

Semesters

- Semester 1 (February)
- commencements
- Year 2 Semester 1 ٠ Year 2 - Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- •
- Year 4 Semester 1 Year 4 Semester 2 •
- Year 5 - Semester 1
- Year 5 Semester 2

Code Title Semester 1 (February) commencements Year 2 - Semester 1

EGB121	Engineering Mechanics
MZB127	Engineering Mathematics and Statistics
Year 2 - 8	Semester 2
EGB120	Foundations of Electrical Engineering
EGB125	Design for Manufacture
Year 3 - S	Semester 1
EGB214	Materials and Manufacturing
EGB314	Solid Mechanics
Year 3 - 8	Semester 2
EGB210	Fundamentals of Mechanical Design
EGB211	Dynamics
Year 4 - S	Semester 1
EGB321	Dynamics of Machines
EGB323	Fluid Mechanics
Year 4 - S	Semester 2
EGB322	Thermodynamics
EGH404	Research in Engineering Practice
Year 5 - S	Semester 1
EGB316	Design of Machine Elements
EGH400 -1	Research Project 1
EGH414	Stress Analysis
EGH421	Vibration and Control
EGH421	-
EGH421	Vibration and Control
EGH421 Year 5 - 5 EGH400	Vibration and Control Semester 2
EGH421 Year 5 - 5 EGH400 -2	Vibration and Control Semester 2 Research Project 2

Semesters

- Semester 1 (February) commencements
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1 •
- Year 2 Semester 2 Year 3 - Semester 1 ٠
- Year 3 Semester 2
- Year 4 Semester 1
- •
- Year 4 Semester 2 Year 5 Semester 1 .
- Year 5 Semester 2

Code	Title
Semester	1 (February) commencements
Year 1 - S	Semester 1
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - S	Semester 2
EGB100	Engineering Sustainability and

	Professional Practice		
MZB126	Engineering Computation		
Year 2 - S	Semester 1		
EGB111	Foundation of Engineering Design		
EGB121	Engineering Mechanics		
Year 2 - S	Semester 2		
EGB120	Foundations of Electrical Engineering		
Foundatio	on Unit Option		
Year 3 - S	Semester 1		
EGB214	Materials and Manufacturing		
EGB314	Solid Mechanics		
Year 3 - 8	Semester 2		
EGB210	Fundamentals of Mechanical Design		
EGB211	Dynamics		
Year 4 - S	Semester 1		
EGB321	Dynamics of Machines		
EGB323	Fluid Mechanics		
Year 4 - S	Year 4 - Semester 2		
EGB322	Thermodynamics		
EGH404	Research in Engineering Practice		
Year 5 - S	Semester 1		
EGB316	Design of Machine Elements		
EGH400 -1	Research Project 1		
EGH414	Stress Analysis		
EGH421	Vibration and Control		
Year 5 - S	Semester 2		
EGH400 -2	Research Project 2		
EGH420	Mechanical Systems Design		
EGH422	Heat Transfer		
EGH423	Fluid Dynamics		

Semesters

- Semester 1 (February) commencements
- Year 2 - Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2 ٠
- Year 5 Semester 1
- Year 5 Semester 2

Code	Title
Semester	1 (February) commencements
Year 2 - Semester 1	
EGB121	Engineering Mechanics
MZB127	Engineering Mathematics and Statistics
Year 2 - Semester 2	
EGB120	Foundations of Electrical Engineering



MZB221	Electrical Engineering Mathematics
Year 3 - 5	Semester 1
EGB242	Signal Analysis
Materials CAB202	Strand unit (EGB214) OR
EGB214	Materials and Manufacturing
OR	
CAB202	Microprocessors and Digital Systems
Year 3 - 5	Semester 2
EGB345	Control and Dynamic Systems
Dynamics CAB202	Strand unit (EGB211) or
EGB211	Dynamics
OR	
CAB202	Microprocessors and Digital Systems
Year 4 - S	Semester 1
	Mechatronics Design 1
	Strand unit (EGB321) OR
	Strand unit (EGB314)
EGB321	Dynamics of Machines
OR	
EGB314	Solid Mechanics
Year 4 - 5	Semester 2
EGB320	Mechatronics Design 2
Intermedi	ate Electrical Unit Option
Year 5 - S	Semester 1
EGH404	Research in Engineering Practice
EGH419	Mechatronics Design 3
EGH445	Modern Control
	Strand unit (EGH414) OR Electrical Unit Option
	Stress Analysis
OR	
	Electrical Option Unit
	Semester 2
	Research Project
	Autonomous Systems
	Strand unit (EGH413) OR
	Electrical Unit Option
EGH413	Advanced Dynamics
OR	
Advanced	Electrical Option Unit

Semesters

- Semester 1 (February)
- **commencements**
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1 •
- Year 2 Semester 2 Year 3 - Semester 1 ٠
- Year 3 - Semester 2
- Year 4 Semester 1 ٠
- Year 4 - Semester 2

 Year 5 - Semester 1 • Year 5 - Semester 2

Code	Title
	1 (February) commencements
	Semester 1
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - 5	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - S	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - 5	Semester 2
EGB120	Foundations of Electrical Engineering
Foundatio	on Unit Option
Year 3 - 5	Semester 1
CAB202	Microprocessors and Digital Systems
EGB242	Signal Analysis
Year 3 - 5	Semester 2
EGB211	Dynamics
EGB345	Control and Dynamic Systems
	Semester 1
	Mechatronics Design 1
	ate Mechanical Option Unit
Year 4 - S	Semester 2
EGB320	
	ate Electrical Option Unit
	Semester 1
EGH400 -1	Research Project 1
EGH404	Research in Engineering Practice
EGH419	Mechatronics Design 3
EGH445	Modern Control
Year 5 - Semester 2	
EGH400 -2	Research Project 2
Advanced	d Mechanical Option Unit
EGH446	Autonomous Systems
Advanced	d Electrical Option Unit

Semesters

- <u>Semester 1 (February)</u>
- commencements
- Year 2 Semester 1
- Year 2 Semester 2
 Year 3 Semester 1
- Year 3 Semester 2

- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1 Year 5 - Semester 2

- 100	<u>15 - Semester 2</u>	
Code	Title	
Semester	1 (February) commencements	
Year 2 - S	Semester 1	
EGB121	Engineering Mechanics	
MZB127	Engineering Mathematics and Statistics	
Year 2 - S	Semester 2	
EGB120	Foundations of Electrical Engineering	
EGB125	Design for Manufacture	
Year 3 - 5	Semester 1	
EGB214	Materials and Manufacturing	
EGB314	Solid Mechanics	
Year 3 - 5	Semester 2	
EGB210	Fundamentals of Mechanical Design	
EGB211	Dynamics	
Year 4 - Semester 1		
EGB323	Fluid Mechanics	
LQB187	Human Anatomy	
Year 4 - Semester 2		
EGH404	Research in Engineering Practice	
LSB231	Physiology	
Year 5 - 5	Semester 1	
EGB319	Medical Device Design	
EGH400 -1	Research Project 1	
EGH414	Stress Analysis	
EGH438	Biomaterials	
Year 5 - Semester 2		
EGH400 -2	Research Project 2	
EGH418	Biomechanics	
EGH424	Biofluids	
EGH435	Modelling and Simulation for Medical Engineers	

Semesters

- Semester 1 (February) **commencements**
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1 Year 2 - Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- •
- Year 4 Semester 2 Year 5 Semester 1 ٠
- Year 5 Semester 2

Code Title

Semester 1 (February) commencements

SIL

Year 1 - Semester 1



EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - S	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - S	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - S	Semester 2
EGB120	Foundations of Electrical Engineering
Foundatio	on Unit Option
Year 3 - 5	Semester 1
EGB314	Solid Mechanics
LQB187	Human Anatomy
	eplaces LSB131 from 2021
onwards	
Year 3 - S	Semester 2
EGB211	Dynamics
LSB231	Physiology
Year 4 - S	Semester 1
EGB214	Materials and Manufacturing
EGB323	Fluid Mechanics
Year 4 - S	Semester 2
EGB210	Fundamentals of Mechanical Design
EGH404	Research in Engineering Practice
Year 5 - S	
EGB319	Semester 1
LODJIS	Semester 1 Medical Device Design
EGH400 -1	
EGH400	Medical Device Design
EGH400 -1	Medical Device Design Research Project 1
EGH400 -1 EGH414 EGH438	Medical Device Design Research Project 1 Stress Analysis
EGH400 -1 EGH414 EGH438	Medical Device Design Research Project 1 Stress Analysis Biomaterials
EGH400 -1 EGH414 EGH438 Year 5 - S EGH400	Medical Device Design Research Project 1 Stress Analysis Biomaterials Semester 2
EGH400 -1 EGH414 EGH438 Year 5 - S EGH400 -2	Medical Device Design Research Project 1 Stress Analysis Biomaterials Semester 2 Research Project 2
EGH400 -1 EGH414 EGH438 Year 5 - S EGH400 -2 EGH424	Medical Device Design Research Project 1 Stress Analysis Biomaterials Semester 2 Research Project 2 Biofluids Modelling and Simulation for

Semesters

- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
 Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1
- Year 5 Semester 2
- Year 6 Semester 1

Code	Title
Year 2 - 8	Semester 2
EGB121	Engineering Mechanics
MZB127	Engineering Mathematics and Statistics
Year 3 - S	Semester 1
EGB160	Process Principles
EGB161	Foundations of Engineering Chemistry
Year 3 - S	Semester 2
EGB263	Process Systems
EGB264	Engineering Chemistry
Year 4 - 8	Semester 1
EGB261	Unit Operations
EGB323	Fluid Mechanics
Year 4 - 8	Semester 2
EGB364	Process Modelling
EGB322	Thermodynamics
Year 5 - 5	Semester 1
EGB361	Minerals Processing
EGH404	Research in Engineering Practice
Year 5 - S	Semester 2
EGH411	Sustainable Chemical Engineering in Practice
EGH422	Heat Transfer
EGH423	Fluid Dynamics
EGH462	Process Control
Year 6 - 5	Semester 1
EGB362	Operations Management and Process Economics
EGH408	Research Project
EGH463	Process Design

Semesters

Year 2 - Semester 2
Year 3 - Semester 1
Year 3 - Semester 2
Year 4 - Semester 1
Year 4 - Semester 2
Year 5 - Semester 1
Voor E Somester 2

- Year 5 Semester 2 Year 6 - Semester 1

Code Title

Year 2 - Semester 2	
EGB123	Civil Engineering Systems
EGB124	Engineering for the Environment
Year 3 - Semester 1	
MZB127	Engineering Mathematics and Statistics
EGB272	Traffic and Transport Engineering
Year 3 - Semester 2	
EGB121	Engineering Mechanics
EGB273	Principles of Construction
Year 4 - Semester 1	

EGB270	Civil Engineering Materials	
	v v	
EGB371	Engineering Hydraulics	
Year 4 - S	Semester 2	
EGB275	Structural Mechanics	
EGB373	Geotechnical Engineering	
Year 5 - 8	Semester 1	
EGB375	Design of Concrete Structures	
EGH404	Research in Engineering Practice	
Year 5 - Semester 2		
EGH471	Advanced Water Engineering	
EGH472	Advanced Highway and	
EGH472	Pavement Engineering	
EGH479	Advances in Civil Engineering Practice	
One Advanced Civil Unit from		
EGH475	Advanced Concrete Structures	
OR		
EGH476	Advanced Water and Wastewater Engineering	
Year 6 - Semester 1		
EGB376	Steel Design	
EGH408	Research Project	
EGH473	Advanced Geotechnical Engineering	

Semesters

|--|

- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1
 Year 5 Semester 2
- Year 6 Semester 1

Code	Title
Year 2 - 8	Semester 2
CAB201	Programming Principles
MZB127	Engineering Mathematics and Statistics
Year 3 - 8	Semester 1
EGB120	Foundations of Electrical Engineering
MZB221	Electrical Engineering Mathematics
Year 3 - Semester 2	
CAB240	Information Security
EGB242	Signal Analysis
Year 4 - Semester 1	
CAB202	Microprocessors and Digital Systems
CAB301	Algorithms and Complexity
Year 4 - Semester 2	
CAB403	Systems Programming
Intermediate Electrical Option Unit	
Year 5 - Semester 1	

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Bacheler er Engineening (Hene		
EGB240	Electronic Design	
EGH404	Research in Engineering Practice	
Year 5 - S	Semester 2	
CAB432	Cloud Computing	
EGH400 -1	Research Project 1	
EGH455	Advanced Systems Design	
Advanced Computer & Software Systems Option Unit		
Year 6 - Semester 1		
CAB302	Software Development	
EGH400 -2	Research Project 2	
EGH456	Embedded Systems	
Advanced Computer & Software Systems Option Unit		
Advanced Computer & Software		

Semesters

- Year 2 Semester 2
- Year 3 Semester 1 ٠
- Year 3 Semester 2 •
- Year 4 Semester 1
- Year 4 Semester 2 Year 5 Semester 1 •
- Year 5 - Semester 2 •
- Year 6 Semester 1

Code	Title	
Year 2 - S	Semester 2	
EGB121	Engineering Mechanics	
MZB127	Engineering Mathematics and Statistics	
Year 3 - S	Semester 1	
EGB120	Foundations of Electrical Engineering	
CAB202	Microprocessors and Digital Systems	
Year 3 - S	Semester 2	
EGB242	Signal Analysis	
MZB221	Electrical Engineering Mathematics	
Year 4 - S	Semester 1	
EGB240	Electronic Design	
EGB241	Electromagnetics and Machines	
Year 4 - S	Semester 2	
EGB341	Energy Supply and Delivery	
Intermedi	ate Electrical Option Unit (1)	
Year 5 - S	Semester 1	
EGB340	Design and Practice	
EGH404	Research in Engineering Practice	
Year 5 - Semester 2		
EGH400 -1	Research Project 1	
Intermediate Electrical Option Unit (2)		
Advanced Electrical Option Unit (1)		

Advanced Electrical Option Unit (2)		
Year 6 - Semester 1		
EGH400 -2 Research Project 2		
Advanced Electrical Option Unit (3)		
Advanced Electrical Option Unit (4)		
Advanced Electrical Option Unit (5)		

Semesters

Co Ye

• Year	r 2 - Semester 2
• Year	r 3 - Semester 1
• Year	r 3 - Semester 2
• Year	r 4 - Semester 1
• Year	r 4 - Semester 2
• Year	r 5 - Semester 1
• Year	r 5 - Semester 2
• Year	r 6 - Semester 1
de	Title
ar 2 - S	Semester 2
B120	Foundations of Ele

EGB120	Foundations of Electrical Engineering	
MZB127	Engineering Mathematics and Statistics	
Year 3 - S	Semester 1	
CAB202	Microprocessors and Digital Systems	
EGB121	Engineering Mechanics	
Year 3 - S	Semester 2	
MZB221	Electrical Engineering Mathematics	
EGB242	Signal Analysis	
Year 4 - Semester 1		
EGB240	Electronic Design	
EGB243	Aircraft Systems and Flight	
Year 4 - S	Semester 2	
EGB346	Unmanned Aircraft Systems	
EGB345	Control and Dynamic Systems	
Year 5 - S	Semester 1	
EGB349	Systems Engineering and Design Project	
EGH445	Modern Control	
Year 5 - 5	Semester 2	
EGH404	Research in Engineering Practice	
EGH446	Autonomous Systems	
	Advanced Linmanned Aircraft	

Advanced Unmanned Aircraft EGH450 Systems Intermediate Electrical and Aerospace

Unit Option

Year 6 - Semester 1		
EGH408	Research Project	
Advanced Electrical and Aerospace Option		
Advanced Electrical and Aerospace Option		

Semesters

- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
 Year 5 Semester 1
- Year 5 Semester 2 •
- Year 6 Semester 1

	<u>lo-Semester 1</u>		
Code	Title		
Year 2 - S	Semester 2		
EGB121	Engineering Mechanics		
MZB127	Engineering Mathematics and Statistics		
Year 3 - 5	Semester 1		
EGB125	Design for Manufacture		
EGB314	Solid Mechanics		
Year 3 - 5	Semester 2		
EGB210	Fundamentals of Mechanical Design		
EGB211	Dynamics		
Year 4 - 5	Semester 1		
EGB321	Dynamics of Machines		
EGB323	Fluid Mechanics		
Year 4 - 5	Semester 2		
EGB120	Foundations of Electrical Engineering		
EGB322	Thermodynamics		
Year 5 - 5	Semester 1		
EGB316	Design of Machine Elements		
EGH404	Research in Engineering Practice		
Year 5 - 5	Semester 2		
EGH400 -1	Research Project 1		
EGH420	Mechanical Systems Design		
EGH422	Heat Transfer		
EGH423	Fluid Dynamics		
Year 6 - 5	Year 6 - Semester 1		
EGH400 -2	Research Project 2		
EGB214	Materials and Manufacturing		
EGH414	Stress Analysis		
EGH421	Vibration and Control		

Semesters

Code

Unit

Unit

- Year 2 Semester 2
- Year 3 Semester 1 Year 3 - Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- •
- Year 5 Semester 1 Year 5 Semester 2 .
- Year 6 - Semester 1

Engineering

Title

Year 2 - Semester 2 Foundations of Electrical EGB120



MZB127	Engineering Mathematics and Statistics	
Year 3 - S	Semester 1	
EGB121	Engineering Mechanics	
MZB221	Electrical Engineering Mathematics	
Year 3 - S	Semester 2	
EGB211	Dynamics	
CAB202	Microprocessors and Digital Systems	
EGB242	Signal Analysis	
Year 4 - S	Semester 1	
EGB214	Materials and Manufacturing	
CAB202	Microprocessors and Digital Systems	
EGB220	Mechatronics Design 1	
Year 4 - Semester 2		
EGB320	Mechatronics Design 2	
EGB345	Control and Dynamic Systems	
Year 5 - Semester 1		
EGH404	Research in Engineering Practice	
EGB321	Dynamics of Machines	
EGB314	Solid Mechanics	
Year 5 - S	Semester 2	
EGH400 -1	Research Project 1	
EGH446	Autonomous Systems	
EGH413	Advanced Dynamics	
Advanced	d Electrical Option Unit	
Intermedi	ate Electrical Option Unit	
Year 6 - 5	Semester 1	
EGH400 -2	Research Project 2	
EGH419	Mechatronics Design 3	
EGH445	Modern Control	
EGH414	Stress Analysis	

EGB210	Fundamentals of Mechanical Design	
EGB211	Dynamics	
Year 4 - S	Semester 1	
EGB323	Fluid Mechanics	
LQB187	Human Anatomy	
Year 4 - S	Semester 2	
EGB120	Foundations of Electrical Engineering	
LSB231	Physiology	
Year 5 - S	Semester 1	
EGH404	Research in Engineering Practice	
EGH414	Stress Analysis	
Year 5 - S	Semester 2	
EGH400 -1	Research Project 1	
EGH418	Biomechanics	
EGH424	Biofluids	
EGH435	Modelling and Simulation for Medical Engineers	
Year 6 - Semester 1		
EGB214	Materials and Manufacturing	
EGB319	Medical Device Design	
EGH400 -2	Research Project 2	
EGH438	Biomaterials	

Semesters

• Year 2 - Semester 2

Advanced Electrical Option Unit

- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
 Year 4 Semester 2
- Year 5 Semester 1 Year 5 - Semester 2
- Year 6 Semester 1

Code	Title	
Year 2 - Semester 2		
EGB121	Engineering Mechanics	
MZB127	Engineering Mathematics and Statistics	
Year 3 - Semester 1		
EGB125	Design for Manufacture	
EGB314	Solid Mechanics	
Year 3 - Semester 2		



Bachelor of Science/Bachelor of Games and Interactive Environments

Maar	0000
Year	2022
QUT code	SE90
CRICOS	092649G
Duration (full-time)	4 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2022: CSP \$7,900 per year full-time (96 credit points)
International fee (indicative)	2022: \$35,900 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Graham Johnson (Science); Associate Professor Ross Brown (Games and Interactive Environments
Discipline Coordinator	Aspro Matthew Phillips (Biological Science); Aspro Tim Dargaville (Chemistry); Dr Luke Nothdurft (Earth Science); Professor Jennifer Firn (Environmental Science); Dr Konstantin Momot (Physics). +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Year 12 early offer scheme

If you're a current Queensland Year 12 student, you may be eligible to receive an offer for this course on the last day of Queensland Year 12, before receiving your ATAR or selection rank./p>

Find out more about the QUT Year 12 Early Offer Scheme

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Assumed knowledge

• Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English

requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Domestic Course structure

Students are required to complete 384 credit points comprised of 192 credit points from the Bachelor of Science program and 192 credit points from the Bachelor of Games and Interactive Environments program.

Science component:

- 6 units (72 credit points) of science core units, which includes 2 units (24 credit points) of option units* selected from an approved list.
- 10 units (120 credit points) of Major core units.

Games and Interactive

Environments component:

 6 units (72 credit points) of games and interactive environments core units, which includes 2 units (24 credit points) of option units* selected from an approved list.

10 units (120 credit points) of Major core units.

* Unit options list - comprises a wide variety of foundation units from a range of disciplines offered at QUT. The core option choices can be used to complement your Major studies.

International Course structure

Students are required to complete 384 credit points comprised of 192 credit points from the Bachelor of Science program and 192 credit points from the Bachelor of Games and Interactive Environments program.

Science component:

- 6 units (72 credit points) of science core units, which includes 2 units (24 credit points) of option units* selected from an approved list.
- 10 units (120 credit points) of Major core units.

Games and Interactive

Environments component:

- 6 units (72 credit points) of games and interactive environments core units, which includes 2 units (24 credit points) of option units* selected from an approved list.
- 10 units (120 credit points) of Major core units.

* Unit options list - comprises a wide variety of foundation units from a range of disciplines offered at QUT. The core option choices can be used to complement your Major studies.

Sample Structure

Semesters

- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
 Year 4 Semester 1
- Year 4 Semester 1

Code	Title	
Year 1 Se	Year 1 Semester 1	
SEB104	Grand Challenges in Science	
SEB113	Quantitative Methods in Science	
Year 1 Semester 2		

Science Core Unit Option

Science Major Unit Option

Year 2 Semester 1



Bachelor of Science/Bachelor of Games and Interactive Environments

SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2 Se	emester 2
BVB101	Foundations of Biology
BVB102	Evolution
Year 3 Se	emester 1
BVB202	Experimental Design and Quantitative Methods
BVB301	Animal Biology
Year 3 Se	emester 2
BVB201	Biological Processes
BVB204	Ecology
Year 4 Se	emester 1
BVB203	Plant Biology
BVB305	Microbiology and the Environment
Year 4 Se	emester 2
BVB304	Integrative Biology
BVB313	Population Genetics and Molecular Ecology

Semesters

- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1 •
- Year 2 Semester 2 ٠
- Year 3 Semester 1 •
- Year 3 Semester 2 Year 4 Semester 1 .
- Year 4 Semester 2

Code	Title	
Year 1 Semester 1		
SEB104	Grand Challenges in Science	
SEB113	Quantitative Methods in Science	
Year 1 Se	emester 2	
MXB100	Introductory Calculus and Algebra	
Science Core Unit Option		
Year 2 Se	emester 1	
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
Year 2 Se	emester 2	
Year 2 Se CVB101		
CVB101	General Chemistry Chemical Structure and Reactivity	
CVB101 CVB102	General Chemistry Chemical Structure and Reactivity	
CVB101 CVB102 Year 3 Se	General Chemistry Chemical Structure and Reactivity emester 1	
CVB101 CVB102 Year 3 Se CVB201 CVB202	General Chemistry Chemical Structure and Reactivity emester 1 Inorganic Chemistry	
CVB101 CVB102 Year 3 Se CVB201 CVB202	General Chemistry Chemical Structure and Reactivity emester 1 Inorganic Chemistry Analytical Chemistry	
CVB101 CVB102 Year 3 Se CVB201 CVB202 Year 3 Se	General Chemistry Chemical Structure and Reactivity emester 1 Inorganic Chemistry Analytical Chemistry emester 2	

CVB301	Organic Chemistry: Strategies for Synthesis	
CVB302	Applied Physical Chemistry	
Year 4 Semester 2		
CVB303	Coordination Chemistry	
CVB304	Chemistry Research Project	

Year 4 Semester 2			
CVB303	Coordination Chemistry		
CVB304	Chemistry Research Project		
Semesters Year 1 Semester 1 Year 1 Semester 2 			
 Yea Yea Yea Yea 	<u>r 2 Semester 1</u> <u>r 2 Semester 2</u> <u>r 3 Semester 1</u> r 3 Semester 2		
• <u>Yea</u>	r <u>4 Semester 1</u> r 4 Semester 2		
Code	Title		
Year 1 Se	emester 1		
	Grand Challenges in Science		
SEB113	Quantitative Methods in Science		
Year 1 Se	emester 2		
Science (Core Unit Option		
Science M	Major Unit Option		
Year 2 Se	emester 1		
SEB115	Experimental Science 1		
SEB116	Experimental Science 2		
Year 2 Se	emester 2		
ERB101	Earth Systems		
ERB102	Evolving Earth		
Year 3 Se	emester 1		
ERB201	Destructive Earth: Natural Hazards		
ERB202	Marine and Atmospheric Systems		
Year 3 Se	emester 2		
ERB203	Sedimentary Geology and Stratigraphy		
ERB204	Deforming Earth: Fundamentals of Structural Geology		
Year 4 Se	emester 1		
ERB301	Chemical Earth		

ERB301	Chemical Earth
ERB302	Applied Geophysics
Year 4 Semester 2	
ERB303	Energy Resources and Basin Analysis
ERB304	Dynamic Earth: Plate Tectonics

Semesters

- Year 1 Semester 1 Year 1 Semester 2 Year 2 Semester 1
- Year 2 Semester 2
 Year 3 Semester 1
- Year 3 Semester 2 •
- Year 4 Semester 1
- Year 4 Semester 2

This information is correct as at 04/10/2022. For the most up-to-date course information, visit https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?courseCode=SE90&id=39036. CRICOS No.00213J

Code	Title	
Year 1 Semester 1		
SEB104	Grand Challenges in Science	
SEB113	Quantitative Methods in Science	
Year 1 Se	emester 2	
Science (Core Unit Option	
Science I	Science Major Unit Option	
Year 2 Se	emester 1	
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
Year 2 Se	emester 2	
ERB101	Earth Systems	
EVB102	Ecosystems and the Environment	
Year 3 Se	emester 1	
BVB202	Experimental Design and Quantitative Methods	
EVB203	Geospatial Information Science	
Year 3 Se	emester 2	
BVB204	Ecology	
EVB302	Environmental Pollution	
Year 4 Se	emester 1	
BVB311	Conservation Biology	
EVB312	Soils and the Environment	
Year 4 Se	emester 2	
ERB310	Groundwater Systems	
EVB304	Case Studies in Environmental Science	

Semesters

- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
 Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2

	Code	Title
	Year 1 Se	emester 1
sin	SEB104	Grand Challenges in Science
	SEB113	Quantitative Methods in Science
	Year 1 Se	emester 2
	MXB100	Introductory Calculus and Algebra
	Science (Core Unit Option
	Year 2 Se	emester 1
	SEB115	Experimental Science 1
	SEB116	Experimental Science 2
	Year 2 Se	emester 2
	PVB101	Physics of the Very Large
the university for the real world		

Bachelor of Science/Bachelor of Games and Interactive Environments

PVB102	Physics of the Very Small	
Year 3 Semester 1		
PVB202	Mathematical Methods in Physics	
PVB203	Experimental Physics	
Year 3 Semester 2		
PVB200	Computational and Mathematical Physics	
PVB204	Electromagnetism	
Year 4 Semester 1		
PVB301	Materials and Thermal Physics	
PVB302	Classical and Quantum Physics	
Year 4 Semester 2		
PVB303	Nuclear and Particle Physics	
PVB304	Physics Research	

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1 Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2 .
- Year 4, Semester 1 Year 4, Semester 2 ٠

Code Title Year 1, Semester 1 IGB180 **Computer Games Studies** Game Production and **IGB181** Technology Year 1, Semester 2 IFB103 IT Systems Design **IFB104 Building IT Systems** Year 2, Semester 1 Game Studio 1: Mini-Game **IGB100** Development **BGIE Core Unit Option** Year 2, Semester 2 KNB127 CGI Foundations KNB135 Animation Aesthetics Year 3, Semester 1 KNB137 Digital Worlds **BGIE Core Unit Option** Year 3, Semester 2 Game Studio 2: Applied **IGB200** Game Development Visual Storytelling: Production **KNB136** Design Year 4, Semester 1 IFB398 Capstone Project (Phase 1) [IGB300 replaced by IFB398 from 2021] KNB217 Digital Creatures Note: if you have completed IFB398 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit

code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.

Year 4, Semester 2		
IFB399	Capstone Project (Phase 2)	
[IGB301 replaced by IFB399 from 2021]		
IGB400 Game Studio 3: Game Innovation		
Notes if you have completed IED200 in		

Note: if you have completed IFB399 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.

Semesters

- Year 1, Semester 1 . Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2

Code	Title
	emester 1
IGB180	Computer Games Studies
IGD100	
IGB181	Game Production and Technology
Year 1, S	emester 2
IFB103	IT Systems Design
IFB104	Building IT Systems
Year 2, S	emester 1
IGB100	Game Studio 1: Mini-Game Development
BGIE Co	re Unit Option
Year 2, S	emester 2
IGB220	Fundamentals of Game Design
DXB205	Interactive Narrative Design
Year 3, S	emester 1
DXB211	Creative Coding
BGIE Co	re Unit Option
Year 3, S	emester 2
IGB200	Game Studio 2: Applied Game Development
IGB321	Immersive Game Level Design
Year 4, S	emester 1
IFB398	Capstone Project (Phase 1)
[IGB300	replaced by IFB398 from 2021]
IGB388	Design and Development of Immersive Environments
[IGB320	replaced by IGB388 from 2021]
Note: if you have completed IFB398 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit	

	IFB103	IT Systems Design
	IFB104	Building IT Systems
Year 2, Semester 1		emester 1
	IGB100	Game Studio 1: Mini-Gam

This information is correct as at 04/10/2022. For the most up-to-date course information, visit

https://qutvirtual4.gut.edu.au/group/student/enrolment/courses/course?courseCode=SE90&id=39036. CRICOS No.00213J

code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.

Year 4, Semester 2		
IFB399	Capstone Project (Phase 2)	
IGB400	Game Studio 3: Game Innovation	

[IGB301 replaced by IFB399 from 2021]

Note: if you have completed IFB399 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2 .
- Year 4, Semester 1
- Year 4, Semester 2

Code	Title	
Year 1, Semester 1		
IGB180	Computer Games Studies	
IGB181	Game Production and Technology	
Year 1, Semester 2		
IFB103	IT Systems Design	
IFB104	Building IT Systems	
Year 2, Semester 1		
IGB100	Game Studio 1: Mini-Game Development	
BGIE Core Unit Option		
Year 2, Semester 2		
CAB201	Programming Principles	
IGB283	Game Engine Theory and Application	
Year 3, S	Semester 1	
CAB301	Algorithms and Complexity	
BGIE Co	re Unit Option	
Year 3, S	Semester 2	
IGB200	Game Studio 2: Applied Game Development	
IGB381	Game Engine Technology	
Year 4, S	Semester 1	
IFB398	Capstone Project (Phase 1)	
IGB383	AI for Games	
[IGB300 replaced by IFB398 from 2021]		
Note: if you have completed IFB398 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit		

will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the



Coordinator.

Year 4, Semester 2		
IFB399	Capstone Project (Phase 2)	
IGB400	Game Studio 3: Game Innovation	

[IGB301 replaced by IFB399 from 2021]

Note: if you have completed IFB399 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.



Year	2022
QUT code	ID33
CRICOS	103861J
Duration (full-time)	5.5 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Domestic fee (indicative)	2022: CSP \$8,900 per year full-time (96 credit points)
International fee (indicative)	2022: \$33,000 per year full-time (96 credit points)
Total credit points	528
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	AskQUT askqut@qut.edu.au; +61 7 3138 2000;
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Assumed knowledge

• Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Domestic Course structure

Students are required to complete 528 credit points, comprised of 192 credit points for the Bachelor of Data Science program and 336 credit points for the Bachelor of Laws (Honours) program. You will study data science and law units in your first four years and for the remainder of this course you will concentrate on law studies.

Under the data science component, students will complete 192 credit points (16 units) consisting of :

- 14 core units (168 credit point)
- 2 data science elective units (24 credit points)

Under the law component, you will complete 336 credit points of core units and a mixture of law electives made up of:

- 19 Core units (240 credit points)
- 1 introductory law elective* (12 credit points)
- 5 general law electives** (60 credit points)
- 2 advanced law electives (24 credit points)

*Students may select a general law elective in place of the introductory law elective

**Students have the option to complete the Law, Technology and Innovation minor or 4 non-law electives (48 credit points) or a university wide minor in place of 4 general law electives (48 credit points). Successful completion of a minor will be recognised on the academic record and/or the Australian Higher Education Graduation Statement.

Honours-level units

96 credit points of the following honours units will be used to determine the honours levels of the LLB (Hons):

- Legal Research (LLH201)
- Administrative Law (LLH206)
- Ethics and the Legal Profession (LLH302)
- Corporate Law (LLH305)
- Legal Research Capstone (LLH401) (24 credit points)
- two 12-credit point Advanced Law Electives

International Course structure

Students are required to complete 528 credit points, comprised of 192 credit points for the Bachelor of Data Science program and 336 credit points for the Bachelor of Laws (Honours) program. You will study data science and law units in your first four years and for the remainder of this course you will concentrate on law studies.

Under the data science component, students will complete 192 credit points (16 units) consisting of :

- 14 core units (168 credit point)
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- 2 advanced law electives (24 credit points)

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will be recognised on the academic record and/or the Australian Higher Education Graduation Statement.

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- Administrative Law (LLH206)
- Ethics and the Legal Profession (LLH302)
- Corporate Law (LLH305)
- Legal Research Capstone (LLH401) (24 credit points)
- two 12-credit point Advanced Law Electives

Sample Structure

Semesters

- February commencements
- Year 1, Semester 1
- Year 1, Semester 2
- ٠ Year 2, Semester 1
- Year 2, Semester 2 Year 3, Semester 1 ٠
- ٠
- Year 3, Semester 2 ٠
- Year 4, Semester 1 .
- Year 4, Semester 2
- Year 5, Semester 1 .
- Year 5, Semester 2
- Year 6, Semester 1 Law information

Code Title

Code	The	
February commencements		
Year 1, Semester 1		
IFB104	Building IT Systems	
Select either MXB100 or MXB105		
MXB100	Introductory Calculus and Algebra	
MXB105	Calculus and Differential Equations	
LLB101	Introduction to Law	
LLB102	Torts	
Year 1, Semester 2		
IFB105	Database Management	
MXB107	Introduction to Statistical Modelling	
LLB106	Criminal Law	
LLB107	Statutory Interpretation	
Year 2, Semester 1		
MXB101	Probability and Stochastic Modelling 1	
MXB262	Visualising Data	
LLB103	Dispute Resolution	
LLB104	Contemporary Law and Justice	
Year 2, S	emester 2	
CAB201	Programming Principles	
DSB100	Fundamentals of Data Science	

	LLH201 Legal Research		
	bry Law Elective unit or General		
Law Elect			
Year 3, S			
CAB301	Algorithms and Complexity		
MXB242	Regression and Design		
LLB202	Contract Law		
LLB203	Constitutional Law		
Year 3, S			
IAB206	Modern Data Management		
	her CAB330 or IAB303		
CAB330	Data and Web Analytics		
IAB303	Data Analytics for Business Insight		
LLB204	Commercial and Personal Property Law		
LLB205	Equity and Trusts		
Year 4, S			
CAB420	Machine Learning		
MXB344	Generalised Linear Models		
	aw Elective*		
LLB301	Real Property Law		
	emester 2		
	Data Science Capstone		
DSB300	Project Advanced Visualisation and		
MXB362	Data Science		
LLH206	Administrative Law		
LLB303	Evidence		
Year 5, S	emester 1		
LLB304	Commercial Remedies		
LLH302	Ethics and the Legal Profession		
General la	aw elective or law minor unit or		
non law e	lective or uni-wide minor unit*		
General law elective or law minor unit or non law elective or uni-wide minor unit*			
Year 5, S	emester 2		
LLH305	Corporate Law		
LLB306	Civil Procedure		
LLH401	Legal Research Capstone		
Year 6, S	emester 1		
Advanced law elective			
Advanced law elective			
General law elective or law minor unit or non law elective or uni-wide minor unit*			
General law elective or law minor unit or			
non law elective or uni-wide minor unit*			
Law information			
*Students may wish to study the Law, Innovation and Technology minor or a uni-wide minor or up to 48 credit points of non-law electives in place of their			

of non-law electives in place of their

general law electives.

Semesters

- July commencement
- Year 1, Semester 2, Year 1, Semester 1
- Year 2, Semester 2
- Year 2, Semester 1 Year 3, Semester 2 ٠
- Year 3, Semester 1
- Year 4, Semester 2
- Year 4, Semester 1
 Year 5, Semester 2
- Year 5, Semester 1
- Year 6, Semester 2 •
- Law information

Code	Title		
July comr	mencement		
Year 1, S	emester 2,		
IFB104	Building IT Systems		
Select MX	Select MXB100 or MXB105		
MXB100	Introductory Calculus and Algebra		
MXB105	Calculus and Differential Equations		
LLB101	Introduction to Law		
LLB102	Torts		
Year 1, S	emester 1		
MXB101	Probability and Stochastic Modelling 1		
IFB105	Database Management		
LLB103	Dispute Resolution		
LLB104	Contemporary Law and Justice		
Year 2, S	emester 2		
CAB201	Programming Principles		
MXB107	Introduction to Statistical Modelling		
LLB106	Criminal Law		
LLB107	Statutory Interpretation		
Year 2, S	emester 1		
MXB242	Regression and Design		
MXB262	Visualising Data		
LLH201	Legal Research		
LLB202	Contract Law		
Year 3, S	emester 2		
DSB100	Fundamentals of Data Science		
IAB206	Modern Data Management		
Introductory law elective or general law elective			
LLB204	Commercial and Personal Property Law		
Year 3, S	emester 1		
CAB301	Algorithms and Complexity		
CAB420	Machine Learning		
LLB203	Constitutional Law		
General law elective			
Year 4, Semester 2			
Select CAB330 or IAB303			



Baomor	of of Data Science/Dacher	
CAB330	Data and Web Analytics	
IAB303	Data Analytics for Business Insight	
MXB362	Advanced Visualisation and Data Science	
LLB205	Equity and Trusts	
LLH206	Administrative Law	
Year 4, S	emester 1	
DSB300	Data Science Capstone Project	
MXB344	Generalised Linear Models	
LLB301	Real Property Law	
non-law e	aw elective or law minor unit or elective or uni-wide minor unit*	
Year 5, S	emester 2	
LLB303	Evidence	
LLH305	Corporate Law	
LLB306	Civil Procedure	
General law elective or law minor unit or non-law elective or uni-wide minor unit*		
Year 5, S	emester 1	
LLH302	Ethics and the Legal Profession	
LLB304	Commercial Remedies	
General law elective or law minor unit or non-law elective or uni-wide minor unit*		
General law elective or law minor unit or non-law elective or uni-wide minor unit*		
Year 6, S	emester 2	
LLH401	Legal Research Capstone	
Advanced law elective		
Advanced law elective		
Law information		
*Students may wish to study the Law, Innovation and Technology minor or a uni-wide minor or up to 48 credit points of non-law electives as part of their general law electives.		

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You can check this by referring to the unit outlines on <u>QUT Virtual</u>.

Introductory Law Electives		
Code	Title	
LLB140	Human Rights Law	
LLB141	Introduction to International Law	
LLB142	Regulation of Business	

Please note that some law options (electives) maybe offered in alternate years and/or are subject to student enrolments. Please refer QUT Real Law (LAW_Real_Law) Blackboard site under My Community on your blackboard homepage for unit offerings to determine which units will be available.

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You can check this by referring to the unit outlines on <u>QUT Virtual</u>.

General Law Electives List	
Code	Title
LLB241	Discrimination and Equal Opportunity Law
LLB242	Media Law
LLB243	Family Law
LLB244	Criminal Law Sentencing
LLB245	Sports Law
LLB247	Animal Law
LLB248	COVID-19 and the Law
LLB250	Law, Privacy and Data Ethics
LLB251	Law and Design Thinking
LLB340	Banking and Finance Law
LLB341	Artificial Intelligence, Robots and the Law
LLB342	Immigration and Refugee Law
LLB344	Intellectual Property Law
LLB345	Regulating the Internet
LLB346	Succession Law
LLB347	Taxation Law
LLB349	Japanese Law
LLB350	The Law and Ethics of War
LLB440	Environmental Law
LLB443	Mining and Resources Law
LLB444	Real Estate Transactions
LLB447	International Arbitration
LLB460	Competition Moots A
LLB461	Competition Moots B
LLB463	Community Justice Project
LLB464	International Legal Placement
	was previously titled Legal ternational)
LLB465	Startup Law Clinic

Please note that some law elective units maybe offered in alternate years and/or are subject to student enrolments. Please refer QUT Real Law (LAW_Real_Law) Blackboard site under My Community on your blackboard homepage for unit offerings to determine which units will be available.

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You can check this by referring to the unit outlines on <u>QUT Virtual</u>.

Advanced Law Electives Code Title Select 24 credit points of Advanced Law Electives

LLH470	Commercial Contracts in Practice
LLH471	Health Law and Practice
LLH472	Public International Law
LLH473	Independent Research Project
LLH474	Insolvency Law
LLH475	Theories of Law
LLH476	Competition Law
LLH477	Innovation and Intellectual Property Law
LLH478	Advanced Criminal Law - Principles and Practice
LLH479	Research Thesis Extension
LLH480	Consumer Law in a Digital Age
LLH481	Private International Law



Year	2022
QUT code	IN10
CRICOS	017323G
Duration (full-time)	1 year
Duration (part-time domestic)	2 years
Campus	Gardens Point
Domestic fee (indicative)	2022: CSP \$8,100 per year full-time (96 credit points)
International fee (indicative)	2022: \$35,700 per year full-time (96 credit points)
Total credit points	96
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Course Coordinator	Dr Kanika Goel
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

A recognised bachelor degree in information technology or relevant discipline with a minimum grade point average of 5.00 (on QUT's 7-point scale), completed within the last 5 years, *plus:*

- Suitable honours topic
- Proposed honours supervisor

Places are subject to supervisor availability, infrastructure, and other required resources.

International Entry requirements

A recognised bachelor degree in information technology or equivalent with a minimum grade point average of 5.00 (on QUT's 7-point scale), completed within the last 5 years; *plus:*

- Suitable honours topic
- Proposed honours supervisor

Places are subject to supervisor availability.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Overview

The Bachelor of Information Technology (Honours) allows you to further develop specific areas of expertise in information technology and related discipline areas and is a pathway into research higher degree study. You will develop high level skills in a specific discipline area and acquire research skills appropriate to your discipline. You will apply analystic processes involving abstraction and modelling to solve complex problems and / or develop new opportunities through the use of information technology and will apply a deep understanding of the discipline to accurately assess its impact on individuals, organisations and society. You will receive individual supervision from an experienced researcher to complete a project. This project allows you to demonstrate your advanced academic capability and culminates in the completion of an honours thesis.

Course Design

Requirements for the completion of IN10 Bachelor of Information Technology (Honours) are as follows:

CORE: Foundations of Research unit and Reviewing the Field unit

OPTION: A choice of either the *Expanded Research* Strand or the *Extended Coursework* Strand

Each strand comprises of coursework and a major research project supervised by QUT staff.

Career Outcomes

Information technology is an integral part of all commercial, industrial, government, social and personal activities. Graduates from the honours program have the opportunity to achieve the highest levels of their profession. Career opportunities include roles such as web developer, database manager, network administrator, electronic commerce developer, data communications specialist, software engineer, systems programmer, computer scientist, systems analyst or programmer. Additionally, graduates may evolve into domain experts working as chief technology officers, chief information officers, managers, executives, business analysts and entrepreneurs. Graduates of this degree may go into academic and research careers.

Professional Recognition

Graduates of the Bachelor of Information Technology (Honours) meet the knowledge requirement for admission to the Australian Computer Society (ACS).

Pathways to Further Study

The QUT Bachelor of Information Technology (Honours) is located at Level 8 of the Australian Qualifications Framework (AQF). Graduates may be eligible to apply to the Doctor of Philosophy within the Science and Engineering Faculty.

Sample Structure

The Bachelor of Information Technology (Honours) is a one year full-time degree comprising of 96 credit points.

72 credit points Core research units (6 units)

24 credit points Coursework units (2 units)



Bachelor of Information Technology (Honours)

Semesters

- Year 1, Semester 1
 Year 1, Semester 2
 IN10 Coursework Options List

Code	Title		
Year 1, S	emester 1		
INN700	Introduction to Research		
Students must have secured a			
-	supervisor prior to enrolment.		
INN701	Advanced Research Topics		
IFN403-	······································		
1	1 ark Ontion from List (12an)		
	ork Option from List (12cp)		
	emester 2		
IFN403- 2	IT Honours Research Project-2		
IFN403- 3	IT Honours Research Project- 3		
IFN403- 4	IT Honours Research Project- 4		
Coursewo	ork Option from List (12cp)		
IN10 Cou	Irsework Options List		
	credit points from the		
	ork Options List		
CAB401	High Performance and Parallel Computing		
CAB402	Programming Paradigms		
CAB403	Systems Programming		
CAB420	Machine Learning		
CAB430	Data and Information Integration		
CAB431	Search Engine Technology		
CAB432	Cloud Computing		
CAB440	Network and Systems Administration		
CAB441	Network Security		
IAB401	Enterprise Architecture		
IAB402	Information Systems Consulting		
IAB352	Enterprise Systems Management		
IFN515	Fundamentals of Business Process Management		
IFN619	Data Analytics for Strategic Decision Makers		
IFN621	Information Science: What & Why?		
IFN623	Human Information Interaction and Retrieval		
IFN644	Network Operations and Security		
IFN645	Large Scale Data Mining		
IFN652	Enterprise Business Process Management		
IFN657	Principles of Software Security		
IFN662	Enterprise Systems and		

	Applications	
IFN666	Web and Mobile Application Development	
IFN667	Enterprise IoT Systems	
IFN680	Artificial Intelligence and Machine Learning	
IFN690	Advanced User Centred Design	
IGB321	Immersive Game Level Design	
IGB383	AI for Games	
SEB410	Advanced Topic 1	
SEB411	Advanced Topic 2	
PLEASE NOTE:		
The following units which have been discontinued will count as coursework options if completed:		
IFN643 Computer System Security (disc 31/12/2019)		
IFN641 Advanced Networks Management (disc 31/12/2019)		
IFN660 Programming Language Theory (disc 31/12/2019)		
IFN661 Mobile and Pervasive Systems (disc 31/12/2019)		



N	0000
Year	2022
QUT code	IX80
CRICOS	083029M
Duration (full-time)	5.5 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2022: CSP \$10,400 per year full-time (96 credit points)
International fee (indicative)	2022: \$34,200 per year full-time (96 credit points)
Total credit points	528
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Graham Johnson (Science); email: askqut@qut.edu.au; Law: Director of Undergraduate Programs; email: law_enquiries@qut.edu.a u; +61 7 3138 2000;
Discipline Coordinator	Aspro Matthew Phillips (Biological Science); Aspro Tim Dargaville (Chemistry); Dr Luke Nothdurft (Earth Science); Professor Jennifer Firn (Environmental Science); and Dr Konstantin Momot (Physics); Law: Director of Undergraduate Programs Science: +61 7 3138 2000; Law: +61 7 3138 2707 Science: askqut@qut.edu.au; Law: law_enquiries@qut.edu.a u

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Assumed knowledge

 Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Course Structure Information

Students are required to complete 528 credit points, comprised of 192 credit points for the Bachelor of Science program and 336 credit points for the Bachelor of Laws program. You will study science and law units in your first four years and for the remainder of this course you will concentrate on law studies.

Under the Science component students will complete 16 units in total. Students will choose any of the following science majors that are offered in the Bachelor of Science (ST01) course: biology, chemistry, earth science, environmental science and physics.

Under the Law component students will complete 336 credit points of core units and a mixture of Introductory, General and Advanced Electives. Students may select up to 48 credit points of non-law electives or 48 credit points of a University-wide minor in place of four of the General Electives. Successful completion of a minor will be recognised on the Academic Record and / or the Australian Higher Education Graduation Statement.

Total Law credit points: 336

Total credit points for core units: 240 Total credit points for elective units: 96 Honours Level Units

96 credit points of Honours units listed below will be used to determine the Honours Levels of the LLB (Hons): LLH201 Legal Research, LLH206 Administrative Law, LLH302 Ethics and the Legal Profession,

LLH305 Corporate Law,

LLH401 Legal Research Capstone (24 cps) and

two Advanced Electives in law.

Professional Recognition

The QUT LLB (Hons) is an approved degree for the purposes of the Legal Practitioners Admission Rules. Accordingly, it enables graduates to satisfy the academic requirements for admission to practise as a solicitor and/or barrister in all Australian states and territories.

Graduates will satisfy the requirements for membership in the relevant professional body for their science major.

Admission to practice

If, at the end of your degree, you wish to become a legal practitioner, you will need to complete further practical legal training (PLT). QUT also offers PLT in the form of the Graduate Diploma in Legal Practice.

Career Outcomes

As a graduate, you may enter legal practice with an education in both the content and process of science and data analysis that will enable you to deal with the complexities of litigation that have a scientific and technological dimension, such as inventions, trade secrets, quantitative evidence, and constitutional disputes giving rise to environmental issues. On the other hand, you may choose to follow a career path in the sciences, enhancing your opportunities in a particular discipline such as environmental science or biotechnology through your knowledge of the law.

You will graduate with specialised knowledge of cutting-edge technologies and extensive practical experience using the latest techniques. You have a broad range of options to choose from and the flexibility to create your own personal science degree program.

In developing the LLB (Hons) the Faculty recognises that graduates are increasingly seeking a broad range of careers including, but not limited to, legal



practice. The defining nature of the QUT LLB (Hons) is its real-world applied nature which will equip you with advanced knowledge and research and other skills and that meet the needs of not only the legal profession, but also government, community organisations, business and industry.

The LLB (Hons) provides students with an opportunity to advance their knowledge of law in specialised areas through the elective units offered as part of the course. The elective units allow you to study areas of the law that match your career aspirations.

Career opportunities include working in general legal practice, specialist legal practice, government departments and employment in private enterprise.

Non-standard attendance

Field work is a requirement in some areas of science.

Deferment

Domestic students can defer their offer in this course for one year. In exceptional circumstances up to 12 months of additional deferment may be granted.

Find out more at deferment

Domestic Course structure

Students are required to complete 528 credit points, comprised of 192 credit points for the Bachelor of Science program and 336 credit points for the Bachelor of Laws program. You will study science and law units in your first four years and for the remainder of this course you will concentrate on law studies.

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- credit points)
- 5 general law electives** (60 credit points)
- 2 advanced law electives (24 credit points)

*Students commencing from 2019 may select a general law elective in place of the introductory law elective

**Students commencing from 2019 have the option to complete the Law,

Technology and Innovation minor or 4 non-law electives (48 credit points) or a university wide minor in place of 4 general law electives (48 credit points). Successful completion of a minor will be recognised on the academic record and/or the Australian Higher Education Graduation Statement.

Law, technology and innovation minor units

- Law and Data Analysis (LLB250)
- Law and Design Thinking (LLB251)
- Regulating Artificial Intelligence and Robotics (LLB341)
- Regulating the Internet (LLB345)

Honours-level units

96 credit points of the following honours units will be used to determine the honours levels of the LLB (Hons):

- Legal Research (LLH201)
- Administrative Law (LLH206)
- Ethics and the Legal Profession (LLH302)
- Corporate Law (LLH305)
- Legal Research Capstone (LLH401) (24 credit points
- two 12-credit point Advanced Law Electives

International Course

structure

Students are required to complete 528 credit points, comprised of 192 credit points for the Bachelor of Science program and 336 credit points for the Bachelor of Laws program. You will study science and law units in your first four years and for the remainder of this course you will concentrate on law studies.

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**Students commencing from 2019 have the option to complete the Law, Technology and Innovation minor or 4

non-law electives (48 credit points) or a university wide minor in place of 4 general law electives (48 credit points). Successful completion of a minor will be recognised on the academic record and/or the Australian Higher Education Graduation Statement.

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Honours-level units

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- Administrative Law (LLH206)
- Ethics and the Legal Profession (LLH302)
- Corporate Law (LLH305)
- Legal Research Capstone (LLH401) (24 credit points
- two 12-credit point Advanced Law Electives

Sample Structure

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You can check this by referring to the unit outlines on QUT Virtual.

Semesters

- Year 1 Semester 1
- Year 1 Semester 2
 Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- . Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1
- Year 5 Semester 2 •
- Year 6 Semester 1 ٠
- Law Elective Information*

Code	Title	
Year 1 Semester 1		
LLB101	Introduction to Law	
LLB102	Torts	
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
Year 1 Semester 2		
LLB106	Criminal Law	
LLB107	Statutory Interpretation	
Science Core Unit Option		
Science Major Option Unit (for Biology, Earth Science, Environmental Science) or MXB100 (Chemistry and Physics)		
From 2019, LLB107 Statutory		



Interpretation replaces LLB105 Legal Problems and Communication

Problems and Communication			
Year 2 Semester 1			
LLB103	Dispute Resolution		
LLB104	Contemporary Law and Justice		
SEB104	Grand Challenges in Science		
SEB113	Quantitative Methods in Science		
Year 2 Se	emester 2		
LLH201	Legal Research		
Introductor Law elect	ory Law Elective unit or General ive unit		
Science I	Major Unit		
Science N	Major Unit		
Year 3 Se	emester 1		
LLB202	Contract Law		
LLB203	Constitutional Law		
Science I	Major Unit		
Science I	Major Unit		
Year 3 Se	emester 2		
LLB204	Commercial and Personal Property Law		
LLB205	Equity and Trusts		
Science I	Major Unit		
Science I	Major Unit		
Year 4 Se	emester 1		
LLB301	Real Property Law		
General L	aw Elective unit*		
Science I	Major Unit		
Science I	Major Unit		
Year 4 Se	emester 2		
LLB303	Evidence		
LLH206	Administrative Law		
Science I	Major Unit		
	Major Unit		
Year 5 Se	emester 1		
LLH302	Ethics and the Legal Profession		
LLB304	Commercial Remedies		
	aw Elective or Non-law or Minor Unit*		
	aw Elective or Non-law or Minor Unit*		
Year 5 Se	emester 2		
LLB306	Civil Procedure		
LLH305	Corporate Law		
	aw Elective or Non-law or Minor Unit*		
	aw Elective or Non-law Minor Unit*		
Year 6 Se	emester 1		
LLH401	Legal Research Capstone		
Advanced	Law Elective unit		
Advanced	d Law Elective unit		

Law students may complete up to 4 nonlaw electives or a university wide minor in place of 4 of general law electives.

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From 2019 students may select the Law Innovation and Technology Minor in place of 4 general law electives provided they have enough units to do so

Semesters

- Year 1, Semester 2 Year 2, Semester 1
 Year 2, Semester 2 • Year 3, Semester 1 Year 3, Semester 2
- Year 4, Semester 1 Year 4, Semester 2
- .
- Year 5, Semester 1
- Year 5, Semester 2
- Year 6, Semester 1
- Year 6, Semester 2
- *Law Elective Information

Code Title			
Year 1, Semester 2			
LLB101	Introduction to Law		
LLB102	Torts		
SEB104	Grand Challenges in Science		
SEB113	Quantitative Methods in Science		
Year 2, S	emester 1		
LLB103	Dispute Resolution		
LLB104	Contemporary Law and Justice		
SEB115	Experimental Science 1		
SEB116	Experimental Science 2		
Year 2, Semester 2			
LLB106	Criminal Law		
LLB107 Statutory Interpretation			
From 2019, LLB107 Statutory Interpretation replaces LLB105 Legal Problems and Communication			
Science I	Major Unit		
	Major Unit		
Year 3, S	emester 1		
LLB202	Contract Law		
LLH201	Legal Research		
Science I	Major Unit		
	Major Unit		
Year 3, Semester 2			
LLB204	Commercial and Personal Property Law		
Introductory Law Elective unit or General Law Elective			
Science Major Unit			
Science Major Unit			
Year 4, Semester 1			
LLB203 Constitutional Law			
General Law Elective unit			

	Science Major Unit		
ו-	Science Major Unit		
	Year 4, Semester 2		
	LLB205 Equity and Trusts		
۷,	LLH206 Administrative Law		
d	Science Major Unit		
	Science Major Unit		
	Year 5, Semester 1		
	LLB301 Real Property Law		
	General Law Elective or Non-law Elective or Minor Unit*		
	Science Major Unit		
	Science Major Unit (Capstone)		
	Year 5, Semester 2		
	LLB303 Evidence		
	LLB306 Civil Procedure		
	LLH305 Corporate Law		
	General Law Elective or Non-law Elective or Minor Unit*		
	Year 6, Semester 1		
	LLB304 Commercial Remedies		
	LLH302 Ethics and the Legal Profession		
•	General Law Elective or Non-law Elective or Minor Unit*		
	General Law Elective or Non-law Elective or Minor Unit*		
	Year 6, Semester 2		
	LLH401 Legal Research Capstone		
_	Advanced Law Elective unit		
_	Advanced Law Elective unit		
	*Law Elective Information		
	Law students may complete up to 4 non- law electives or a university wide minor in place of 4 general law electives		
	From 2019 students may select the Law, Innovation and Technology Minor in place of 4 general law electives provided		
	they have enough units to do so		
	Semesters		
	 Year 1 Semester 1 Year 1 Semester 2 		
_	Year 2 Semester 1		
_	Year 2 Semester 2		
	 Year 3 Semester 1 Year 3 Semester 2 		
	Year 4 Semester 1 Year 4 Semester 2		

Code	Title	
Year 1 Semester 1		
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
Year 1 Semester 2		
Science Core Unit Option		
Science Major Unit Option		
Year 2 Semester 1		



Year 5 Semester 1

Daonoi	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 2 Se	emester 2
BVB101	Foundations of Biology
BVB102	Evolution
Year 3 Se	emester 1
BVB202	Experimental Design and Quantitative Methods
BVB301	Animal Biology
Year 3 Se	emester 2
BVB201	Biological Processes
BVB204	Ecology
Year 4 Se	emester 1
BVB203	Plant Biology
BVB305	Microbiology and the Environment
Year 4 Se	emester 2
BVB304	Integrative Biology
BVB313	Population Genetics and Molecular Ecology

Semesters

- Year 1 Semester 2
- Year 2 Semester 1
 Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2 ٠
- Year 4 Semester 1 Year 4 Semester 2 .
- Year 5 Semester 1

Code Title Year 1 Semester 2 Grand Challenges in Science SEB104 Quantitative Methods in **SEB113** Science Year 2 Semester 1 SEB115 Experimental Science 1 SEB116 Experimental Science 2 Year 2 Semester 2 BVB101 Foundations of Biology **BVB102** Evolution Year 3 Semester 1 BVB301 Animal Biology Experimental Design and **BVB202** Quantitative Methods Year 3 Semester 2 **BVB201** Biological Processes BVB204 Ecology Year 4 Semester 1 BVB203 Plant Biology Microbiology and the **BVB305** Environment Year 4 Semester 2 Population Genetics and **BVB313** Molecular Ecology BVB304 Integrative Biology

Science Core Option			
Major Option			
Semeste	ers		
	r 1 Semester 1		
	<u>r 1 Semester 2</u> r 2 Semester 1		
• <u>Yea</u>	 Year 2 Semester 1 Year 2 Semester 2 		
	<u>r 3 Semester 1</u> r 3 Semester 2		
• <u>Yea</u>	<u>r 3 Semester 2</u> r 4 Semester 1		
• <u>Yea</u>	r 4 Semester 2		
Code	Title		
Year 1 Se	emester 1		
SEB104	Grand Challenges in Science		
SEB113	Quantitative Methods in		
	Science		
Year 1 Se	emester 2		
MXB100	Introductory Calculus and Algebra		
Science (Core Unit Option		
Year 2 Se			
SEB115	Experimental Science 1		
SEB116	Experimental Science 2		
-	emester 2		
CVB101	General Chemistry		
0)/D400	Chemical Structure and		
CVB102	Reactivity		
Year 3 Se	emester 1		
CVB201	Inorganic Chemistry		
CVB202	Analytical Chemistry		
	emester 2		
CVB203	Physical Chemistry		
CVB204	Organic Structure and Mechanisms		
Year 4 Se			
	Organic Chemistry: Strategies		
CVB301	for Synthesis		
CVB302	Applied Physical Chemistry		
Year 4 Se	emester 2		
CVB303	Coordination Chemistry		
CVB304	Chemistry Research Project		
Compati			
• Yea	e rs r 1 Semester 1		
 Year 1 Semester 2 			
Year 2 Semester 1 Year 2 Semester 2			
 Year 3 Semester 1 			
Year 3 Semester 2			
• <u>Yea</u> • Yea	<u>r 4 Semester 1</u> <u>r 4 Semester 2</u>		
Code			
Year 1 Se	emester 1 Grand Challenges in Science		
	CHANG CHAIRDORS IN SCIENCE		

SEB104 Grand Challenges in Science

SEB113	Quantitative Methods in Science		
Year 1 Se	emester 2		
Science Core Unit Option			
Science M	lajor Unit Option		
Year 2 Se	emester 1		
SEB115	Experimental Science 1		
SEB116	Experimental Science 2		
Year 2 Se	emester 2		
ERB101	Earth Systems		
ERB102	Evolving Earth		
Year 3 Se	emester 1		
ERB201	Destructive Earth: Natural Hazards		
ERB202	Marine and Atmospheric Systems		
Year 3 Se	emester 2		
ERB203	Sedimentary Geology and Stratigraphy		
ERB204	Deforming Earth: Fundamentals of Structural Geology		
Year 4 Se	emester 1		
ERB301	Chemical Earth		
ERB302	Applied Geophysics		
LINDSUZ			
Year 4 Se	emester 2		
	emester 2 Energy Resources and Basin Analysis		

- Year 2 Semester 1
- Year 2 Semester 2 Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2

gies		Code	Title
		Year 1 Se	emester 1
y		SEB104	Grand Challenges in Science
		SEB113	Quantitative Methods in Science
ct		Year 1 Se	emester 2
		Science 0	Core Unit Option
		Science N	Major Unit Option
		Year 2 Se	emester 1
		SEB115	Experimental Science 1
		SEB116	Experimental Science 2
		Year 2 Se	emester 2
		ERB101	Earth Systems
	ſ	EVB102	Ecosystems and the Environment
		Year 3 Se	emester 1
ce		BVB202	Experimental Design and
			niversity eal world

https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?courseCode=IX80&id=38911. CRICOS No.00213J

	Quantitative Methods	
EVB203	Geospatial Information Science	
Year 3 Semester 2		
BVB204	Ecology	
EVB302	Environmental Pollution	
Year 4 Semester 1		
BVB311	Conservation Biology	
EVB312	Soils and the Environment	
Year 4 Semester 2		
ERB310	Groundwater Systems	
EVB304	Case Studies in Environmental Science	

Semesters

- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2

Code	Title
Year 1 Se	emester 1
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1 Se	emester 2
MXB100	Introductory Calculus and Algebra
Science (Core Unit Option
Year 2 Se	emester 1
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2 Se	emester 2
PVB101	Physics of the Very Large
PVB102	Physics of the Very Small
Year 3 Se	emester 1
PVB202	Mathematical Methods in Physics
PVB203	Experimental Physics
Year 3 Se	emester 2
PVB200	Computational and Mathematical Physics
PVB204	Electromagnetism
Year 4 Se	emester 1
PVB301	Materials and Thermal Physics
PVB302	Classical and Quantum Physics
Year 4 Se	emester 2
PVB303	Nuclear and Particle Physics
PVB304	Physics Research

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You can check this by referring to the unit outlines on <u>QUT Virtual</u>.

Introductory Law Electives	
Code	Title
LLB140	Human Rights Law
LLB141	Introduction to International Law
LLB142	Regulation of Business

Please note that some law options (electives) maybe offered in alternate years and/or are subject to student enrolments. Please refer QUT Real Law (LAW_Real_Law) Blackboard site under My Community on your blackboard homepage for unit offerings to determine which units will be available.

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You can check this by referring to the unit outlines on <u>QUT Virtual</u>.

General	Law Electives List	
Code	Title	
LLB241	Discrimination and Equal Opportunity Law	
LLB242	Media Law	
LLB243	Family Law	
LLB244	Criminal Law Sentencing	
LLB245	Sports Law	
LLB247	Animal Law	
LLB248	COVID-19 and the Law	
LLB250	Law, Privacy and Data Ethics	
LLB251	Law and Design Thinking	
LLB340	Banking and Finance Law	
LLB341	Artificial Intelligence, Robots and the Law	
LLB342	Immigration and Refugee Law	
LLB344	Intellectual Property Law	
LLB345	Regulating the Internet	
LLB346	Succession Law	
LLB347	Taxation Law	
LLB349	Japanese Law	
LLB350	The Law and Ethics of War	
LLB440	Environmental Law	
LLB443	Mining and Resources Law	
LLB444	Real Estate Transactions	
LLB447	International Arbitration	
LLB460	Competition Moots A	
LLB461	Competition Moots B	
LLB463	Community Justice Project	
LLB464	International Legal Placement	
LLB464 v	LLB464 was previously titled Legal	

Clinic (International)

LLB465 Startup Law Clinic

Please note that some law elective units maybe offered in alternate years and/or are subject to student enrolments. Please refer QUT Real Law (LAW_Real_Law) Blackboard site under My Community on your blackboard homepage for unit offerings to determine which units will be available.

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You can check this by referring to the unit outlines on <u>QUT Virtual</u>.

Advanced Law Electives	
Code	Title
Select 24 Electives	credit points of Advanced Law
LLH470	Commercial Contracts in Practice
LLH471	Health Law and Practice
LLH472	Public International Law
LLH473	Independent Research Project
LLH474	Insolvency Law
LLH475	Theories of Law
LLH476	Competition Law
LLH477	Innovation and Intellectual Property Law
LLH478	Advanced Criminal Law - Principles and Practice
LLH479	Research Thesis Extension
LLH480	Consumer Law in a Digital Age
LLH481	Private International Law

You can complement your core law units with a minor in law, technology and innovation. Learn the skills needed to communicate and collaborate with technologists, innovators, regulators, engineers, designers and policy makers. Apply big data analytics and come up with creative solutions to address pressing social problems, and learn from experts at the forefront of artificial intelligence and technology regulation.

Law, Technology and Innovation Minor	
Code	Title
LLB250	Law, Privacy and Data Ethics
LLB251	Law and Design Thinking
LLB252	Legal Coding
LLB341	Artificial Intelligence, Robots and the Law
LLB345	Regulating the Internet



Year	2022
QUT code	IX87
CRICOS	083025D
Duration (full-time)	5.5 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2022: CSP \$11,800 per year full-time (96 credit points)
International fee (indicative)	2022: \$33,000 per year full-time (96 credit points)
Total credit points	528
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Discipline Coordinator	For more information email: askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Assumed knowledge

• General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Course structure information

Students are required to complete 528 credit points, comprised of 192 credit points for the Bachelor of Information Technology program and 336 credit points for the Bachelor of Laws program.

Requirements for the completion of the Bachelor of Information Technology component are as follows:

(a) 72 credit points (6 units) of IT Core units, which includes 24 credit points (2 units) of Option Units selected from an approved list.

(b) 120 credit points (10 units) of Major Core units

Information Technology Majors Choose your primary area of study, also known as your major, in the following specialisation areas: Information Systems or Computer Science.

Information Technology Options List The Bachelor of Information Technology Core Unit Options List comprises a range of units from which you choose to undertake two (2). The options include introductory units from a wide variety of disciplines offered at QUT.

Under the Law component students will complete 336 credit points of core units and a mixture of Introductory, General and Advanced Electives. Students may select up to 48 credit points of non-law electives or 48 credit points of a University-wide minor in place of four of the General Electives. Successful completion of a minor will be recognised on the Academic Record and / or the Australian Higher Education Graduation Statement.

Total Law credit points: 336 Total credit points for core units: 240 Total credit points for elective units: 96

Honours Level Units 96 credit points of Honours units listed below will be used to determine the Honours Levels of the LLB (Hons): LLH201 Legal Research, LLH206 Administrative Law, LLH302 Ethics and the Legal Profession, LLH305 Corporate Law, LLH401 Legal Research Capstone (24 cps) and two Advanced Electives in law.

Professional Recognition

This course is accredited by the Australian Computer Society (ACS). ACS accreditation is internationally recognised by the Seoul Accord.

The QUT LLB (Hons) is an approved degree for the purposes of the Legal Practitioners Admission Rules. Accordingly, it enables graduates to satisfy the academic requirements for admission to practise as a solicitor and/or barrister in all Australian states and territories.

Admission to practice

If, at the end of your degree, you wish to become a legal practitioner, you will need to complete further practical legal training (PLT). QUT also offers PLT in the form of the Graduate Diploma in Legal Practice.

Career Outcomes

Graduates may develop careers in cyberlaw, intellectual property and privacy, dealing with the legal regulation of the Internet including downloading music, mobile phone camera use or copyright issues. You may become a legal practitioner, barrister, in-house counsel, government lawyer or policy adviser. There is also increased demand for roles in edemocracy both in



Bachelor of Information Technology/Bachelor of Laws (Honours)

egovernment service delivery and political campaigning.

In developing the LLB (Hons) the Faculty recognises that graduates are increasingly seeking a broad range of careers including, but not limited to, legal practice. The defining nature of the QUT LLB (Hons) is its real-world applied nature which will equip you with advanced knowledge and research and other skills and that meet the needs of not only the legal profession, but also government, community organisations, business and industry.

The LLB (Hons) provides students with an opportunity to advance their knowledge of law in specialised areas through the elective units offered as part of the course. The elective units allow you to study areas of the law that match your career aspirations.

Career opportunities include working in general legal practice, specialist legal practice, government departments and employment in private enterprise.

Pathways to Further Studies

The QUT Bachelor of Information Technology is located at Level 7 of the Australian Qualifications Framework (AQF). Eligible graduates may continue their studies in this discipline with an additional honours year in (IN10) Bachelor of Information Technology (Honours).

On successful completion of the Bachelor of Laws, there are a number of further study options open to you. The Bachelor of Laws meets the entry requirements for Practical Legal Training courses (for example, the QUT Graduate Diploma in Legal Practice). In addition, successful completion of the law degree will allow you to pursue postgraduate opportunities through research- and coursework-based higher degrees in law.

Deferment

Domestic students can defer their offer in this course for one year. In exceptional circumstances up to 12 months of additional deferment may be granted.

Find out more at deferment

Domestic Course structure

Students are required to complete 528 credit points, comprised of 192 credit points for the Bachelor of Information Technology program and 336 credit points for the Bachelor of Laws program.

Requirements for the completion of the Bachelor of Information Technology

component are as follows:

- 1. 72 credit points (6 units) of IT Core units, which includes 24 credit points (2 units) of Option Units selected from an approved list.
- 2. (b) 120 credit points (10 units) of Major Core units

Information Technology Majors Choose your primary area of study, also known as your major, in the following specialisation areas: Information Systems or Computer Science.

Information Technology Options List The Bachelor of Information Technology Core Unit Options List comprises a range of units from which you choose to undertake two (2). The options include introductory units from a wide variety of disciplines offered at QUT.

Under the Law component you will complete 336 credit points of core units and a mixture of law electives made up of

- 19 Core units (240 credit points)
- 1 introductory law elective* (12 credit points)
- 5 general law electives** (60 credit points)
- 2 advanced law electives (24 credit points)

*Students commencing from 2019 may select a general law elective in place of the introductory law elective

**Students commencing from 2019 have the option to complete the Law, Technology and Innovation minor or 4 non-law electives (48 credit points) or a university wide minor in place of 4 general law electives (48 credit points). Successful completion of a minor will be recognised on the academic record and/or the Australian Higher Education Graduation Statement.

Law, technology and innovation minor units

- Law and Data Analysis (LLB250)
- Law and Design Thinking (LLB251)
- Regulating Artificial Intelligence and Robotics (LLB341)
- Regulating the Internet (LLB345)

Honours-level units

96 credit points of the following honours units will be used to determine the honours levels of the LLB (Hons):

- Legal Research (LLH201)
- Administrative Law (LLH206)
- Ethics and the Legal Profession (LLH302)
- Corporate Law (LLH305)
- Legal Research Capstone (LLH401) (24 credit points
- two 12-credit point Advanced Law Electives

International Course structure

Students are required to complete 528 credit points, comprised of 192 credit points for the Bachelor of Information Technology program and 336 credit points for the Bachelor of Laws program.

Requirements for the completion of the Bachelor of Information Technology component are as follows:

 72 credit points (6 units) of IT Core units, which includes 24 credit points (2 units) of Option Units selected from an approved list.
 (b) 120 credit points (10 units) of Major Core units

Information Technology Majors Choose your primary area of study, also known as your major, in the following specialisation areas: Information Systems or Computer Science.

Information Technology Options List The Bachelor of Information Technology Core Unit Options List comprises a range of units from which you choose to undertake two (2). The options include introductory units from a wide variety of disciplines offered at QUT.

Under the Law component you will complete 336 credit points of core units and a mixture of law electives made up of

- 19 Core units (240 credit points)
 1 introductory law elective* (12
- credit points)
 5 general law electives** (60 credit points)
- 2 advanced law electives (24 credit points)

*Students commencing from 2019 may select a general law elective in place of the introductory law elective

**Students commencing from 2019 have the option to complete the Law, Technology and Innovation minor or 4 non-law electives (48 credit points) or a university wide minor in place of 4 general law electives (48 credit points). Successful completion of a minor will be recognised on the academic record and/or the Australian Higher Education Graduation Statement.

Honours-level units

96 credit points of the following honours units will be used to determine the honours levels of the LLB (Hons):

- Legal Research (LLH201)
- Administrative Law (LLH206)
 - Ethics and the Legal Profession (LLH302)
 - Corporate Law (LLH305)
- Legal Research Capstone



Bachelor of Information Technology/Bachelor of Laws (Honours)

(24 credit points

 two 12-credit point Advanced Law Electives

Sample Structure

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You can check this by referring to the unit outlines on QUT Virtual.

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- ٠
- Year 2, Semester 2 Year 3, Semester 1 .
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2 Year 5, Semester 1 •
- ٠
- Year 5, Semester 2
- Year 6, Semester 1
- Law Elective Information

Code Title Year 1, Semester 1 Introduction to Computer IFB102 Systems IFB103 IT Systems Design LLB101 Introduction to Law LLB102 Torts Year 1, Semester 2 IFB104 **Building IT Systems** IFB105 Database Management LLB107 Statutory Interpretation LLB106 Criminal Law From 2019, LLB107 Statutory Interpretation replaces LLB105 Legal **Problems and Communication** Year 2, Semester 1 IT Core Unit Option IT Core Unit Option Note: From 2023 IFB240 will replace IT Core Unit Option. IFB240 will become core unit. LLB103 Dispute Resolution Contomporery Low and

LLB104	Justice

Year 2, Semester 2

IT Major Unit

IT Major Unit

Introductory Law Elective unit of General Law Elective unit

LLH201 Legal Research

Year 3, Semester 1

IT Major Unit	
IT Major Unit	
LLB202	Contract Law
LLB203	Constitutional Law

Veer 2 C	lomostor O	
	emester 2	
IT Major		
IT Major		
LLB204	Commercial and Personal Property Law	
LLB205		
	Equity and Trusts	
	emester 1	
IT Major		
IT Major		
LLB301	Real Property Law	
	_aw Elective unit	
	emester 2	
IT Major		
IT Major	Unit	
	Evidence	
LLH206	Administrative Law	
Year 5, S	emester 1	
LLB304	Commercial Remedies	
LLH302	Ethics and the Legal	
	Profession	
	aw Elective or Non-law	
	or University-wide Minor Unit	
	aw Elective or Non-law	
	or University-wide Minor Unit	
	emester 2	
	Civil Procedure	
	Corporate Law	
	aw Elective or Non-law	
	or University-wide Minor Unit	
	or University-wide Minor Unit	
	emester 1	
LLH401	Legal Research Capstone	
	d Law Elective unit	
	d Law Elective unit	
	tive Information	
	lents may complete up to 4 electives or a university wide	
minor comprised of 4 units in place of		
the equivalent number of general law		
electives.		
•		
Semeste		
	<u>nester 1 (February)</u> Imencements	
 Year 1, Semester 1 		
 Year 1, Semester 2 Year 2, Semester 1 		
 Year 2, Semester 2 		
 Year 3, Semester 1 		
 <u>Year 3, Semester 2</u> <u>Year 4, Semester 1</u> 		
	r 4, Semester 2	
• <u>Serr</u>	nester 2 (July) commencements	
	r 1, Semester 2 r 2, Semester 1	
	<u>r 2, Semester 1</u> r 2, Semester 2	
• Year 3, Semester 1		

- Year 3, Semester 2
- Year 4, Semester 1

Year 4, Semester 2
Year 5, Semester 1

Year 5, Semester 1		
Code	Title	
Semeste	r 1 (February) commencements	
	Semester 1	
IFB102	Introduction to Computer Systems	
IFB103	IT Systems Design	
Year 1, S	semester 2	
IFB104	Building IT Systems	
IFB105	Database Management	
Year 2. S	Gemester 1	
	Jnit Option	
	Jnit Option	
	Semester 2	
CAB201	Programming Principles	
CAB202	Microprocessors and Digital Systems	
Year 3 S	Semester 1	
CAB203		
CAB203 CAB302		
	Software Development	
CAB303		
IFB295	IT Project Management	
	Semester 1	
CAB301	Algorithms and Complexity	
IFB398	Capstone Project (Phase 1)	
Year 4, S	Semester 2	
IFB399	Capstone Project (Phase 2)	
Select or	e of:	
CAB401	High Performance and Parallel Computing	
CAB402	Programming Paradigms	
CAB403	Systems Programming	
CAB420	Machine Learning	
Semeste	r 2 (July) commencements	
	Semester 2	
IFB102	Introduction to Computer	
IFB103	Systems	
	IT Systems Design semester 1	
IFB104	Building IT Systems	
IFB105	Database Management	
	Semester 2	
CAB201	Programming Principles	
	Jnit Option	
Year 3, S	emester 1	
CAB202	Microprocessors and Digital Systems	
CAB301	Algorithms and Complexity	
Year 3, S	emester 2	
CAB303	Networks	
IFB295	IT Project Management	
Year 4, S	emester 1	
	QUT	
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for the real world

Bachelor of Information Technology/Bachelor of Laws (Honours)

Year 3, Semester 2

Year 4, Semester 1

Management

IAB305

IFB295

Information Systems Lifecycle

IT Project Management

CAB203	Discrete Structures
CAB302	Software Development
Year 4, S	emester 2
IFB398	Capstone Project (Phase 1)
Select ONE of:	
CAB401	High Performance and Parallel Computing
CAB403	Systems Programming
OR IT Core Unit Option	
Year 5, Semester 1	
IFB399	Capstone Project (Phase 2)
Select ONE of:	
CAB402	Programming Paradigms
CAB420	Machine Learning
OR IT Core Unit Option	
(Select IT Core Unit Option here, if not selected previously.)	

Semesters

- Semester 1 (February) commencements Year 1, Semester 1 Year 1, Semester 2 ٠ Year 2, Semester 1 ٠ Year 2, Semester 2 • Year 3, Semester 1 • Year 3, Semester 2 Year 4, Semester 1 • . Year 4, Semester 2 Semester 2 (July) commencement • . Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Year 5, Semester 1

Code	Title	
Semester 1 (February) commencements		
Year 1, S	emester 1	
IFB102	Introduction to Computer Systems	
IFB103	IT Systems Design	
Year 1, S	emester 2	
IFB104	Building IT Systems	
IFB105	Database Management	
Year 2, Semester 1		
IT Core U	Init Option	
IT Core Unit Option		
Year 2, S	emester 2	
IAB201	Modelling Techniques for Information Systems	
IAB207	Rapid Web Application Development	
Year 3, Semester 1		
IAB203	Business Process Modelling	
IAB204	Business Requirements Analysis	

IFB398	Capstone Project (Phase 1)
Select on	e of:
IAB206	Modern Data Management
IAB260	Social Technologies
IAB303	Data Analytics for Business Insight
IAB320	Business Process Improvement
IAB402	Information Systems Consulting
Year 4, S	emester 2
IAB401	Enterprise Architecture
IFB399	Capstone Project (Phase 2)
Semester	r 2 (July) commencements
	emester 2
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
	emester 1
IFB104	Building IT Systems
IFB105	Database Management
	-
rear 2, 5	emester 2 Medelling Techniques for
IAB201	Modelling Techniques for Information Systems
	Init Option
Year 3, S	emester 1
IAB204	Business Requirements Analysis
IAB207	Rapid Web Application Development
Year 3, S	emester 2
IAB305	Information Systems Lifecycle Management
IT Core L	Init Option
Year 4, S	emester 1
IAB203	Business Process Modelling
IFB295	IT Project Management
Year 4, S	emester 2
IAB401	Enterprise Architecture
IFB398	Capstone Project (Phase 1)
	emester 1
IFB399	Capstone Project (Phase 2)
Select Of	
IAB206	Modern Data Management
	, and the second
IAB260	Social Technologies
IAB303	Data Analytics for Business Insight
	Business Process
IAB320	Improvement Information Systems

Consulting

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You can check this by referring to the unit outlines on <u>QUT Virtual</u>.

Introductory Law Electives	
Code	Title
LLB140	Human Rights Law
LLB141	Introduction to International Law
LLB142	Regulation of Business

Please note that some law options (electives) maybe offered in alternate years and/or are subject to student enrolments. Please refer QUT Real Law (LAW_Real_Law) Blackboard site under My Community on your blackboard homepage for unit offerings to determine which units will be available.

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You can check this by referring to the unit outlines on <u>QUT Virtual</u>.

General	General Law Electives List	
Code	Title	
LLB241	Discrimination and Equal Opportunity Law	
LLB242	Media Law	
LLB243	Family Law	
LLB244	Criminal Law Sentencing	
LLB245	Sports Law	
LLB247	Animal Law	
LLB248	COVID-19 and the Law	
LLB250	Law, Privacy and Data Ethics	
LLB251	Law and Design Thinking	
LLB340	Banking and Finance Law	
LLB341	Artificial Intelligence, Robots and the Law	
LLB342	Immigration and Refugee Law	
LLB344	Intellectual Property Law	
LLB345	Regulating the Internet	
LLB346	Succession Law	
LLB347	Taxation Law	
LLB349	Japanese Law	
LLB350	The Law and Ethics of War	
LLB440	Environmental Law	
LLB443	Mining and Resources Law	
LLB444	Real Estate Transactions	
LLB447	International Arbitration	
LLB460	Competition Moots A	
LLB461	Competition Moots B	
LLB463	Community Justice Project	

the university for the real world



LLB464International Legal PlacementLLB464 was previously titled LegalClinic (International)LLB465Startup Law Clinic

Please note that some law elective units maybe offered in alternate years and/or are subject to student enrolments. Please refer QUT Real Law (LAW_Real_Law) Blackboard site under My Community on your blackboard homepage for unit offerings to determine which units will be available.

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You can check this by referring to the unit outlines on QUT Virtual.

Advanced Law Electives	
Code	Title
Select 24 credit points of Advanced Law Electives	
LLH470	Commercial Contracts in Practice
LLH471	Health Law and Practice
LLH472	Public International Law
LLH473	Independent Research Project
LLH474	Insolvency Law
LLH475	Theories of Law
LLH476	Competition Law
LLH477	Innovation and Intellectual Property Law
LLH478	Advanced Criminal Law - Principles and Practice
LLH479	Research Thesis Extension
LLH480	Consumer Law in a Digital Age
LLH481	Private International Law

You can complement your core law units with a minor in law, technology and innovation. Learn the skills needed to communicate and collaborate with technologists, innovators, regulators, engineers, designers and policy makers. Apply big data analytics and come up with creative solutions to address pressing social problems, and learn from experts at the forefront of artificial intelligence and technology regulation.

Law, Technology and Innovation Minor	
Code	Title
LLB250	Law, Privacy and Data Ethics
LLB251	Law and Design Thinking
LLB252	Legal Coding
LLB341	Artificial Intelligence, Robots and the Law
LLB345	Regulating the Internet



QUT

Bachelor of Mathematics (Honours)

Year	2022
QUT code	MS10
CRICOS	080486K
Duration (full-time)	1 year
Duration (part-time domestic)	2 years
Campus	Gardens Point
Domestic fee (indicative)	2022: CSP \$4,400 per year full-time (96 credit points)
International fee (indicative)	2022: \$32,600 per year full-time (96 credit points)
Total credit points	96
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Course Coordinator	Dr Elliot Carr
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

A recognised bachelor degree with a minimum grade point average (GPA) score of 5.00 (on QUT's 7-point scale) completed within the last 5 years in one of the fields of:

- · computer science
- economics
- engineeriing
- finance
- mathematics
- physics

plus:

- Suitable honours topic
- Proposed honours supervisor

Places are subject to supervisor availability, infrastructure, and other required resources.

International Entry requirements Prerequisite

A completed recognised bachelor degree with a minimum grade point average (GPA) score of 5.00 (on QUT's 7-point scale) completed within the last 5 years in the fields of:

- mathematics
- computer science
- economics or finance
- physics
- engineering

Applicants are required to nominate their proposed topic and supervisor. Places are subject to supervisor availability.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Course Design

Students undertake a 36 credit point Research Project.

Overview

The Bachelor of Mathematics (Honours) course provides extended modern and rigorous training in mathematical sciences and related research, to prepare students both for higher-level graduate careers in industry and government and for research at PhD or Research Masters level. The course contributes to addressing the continuing shortage of highly trained mathematical scientists in Australia and abroad.

Through a combination of research and advanced coursework units, students pursue specialised studies in an area of mutual interest with a personal research mentor/supervisor. Research units will enable students to develop an understanding of the nature of mathematical and statistical approaches to solving real world, current research problems. Coursework units provide students the opportunity to develop much more advanced skills and knowledge compared with those built in the undergraduate course. The coursework emphasises mathematics and statistics that is required for current research and for a competitive edge in the employment market.

The course provides students with further depth of knowledge and analytical skills expected of professionals who apply mathematics, computational methods, decision science and statistics in the workplace and in further research.

Course Structure

Requirements for the completion of MS10 Bachelor of Mathematics (Honours) are as follows:

CORE: Foundations of Research unit and Reviewing the Field unit

OPTION: A choice of either the *Expanded Research* Strand or the *Extended Coursework* Strand

Each strand comprises of coursework and a major research project supervised by QUT staff.

Career Outcomes

Mathematics graduates are employed across a wide range of areas. These include, but are not limited to, finance, investment, data analytics, defence and national security, research, information technology, engineering modelling and simulation, environmental science, health, management, marketing, logistics, media, and education. In addition to their knowledge and skills in mathematics, graduates are also highly valued for their analytical and problem-solving skills. Development of skills in communication, problem-solving, critical thinking and teamwork form an integral part of the



Bachelor of Mathematics (Honours)

course.

Professional Recognition

Graduates of this course may be eligible for membership of the Australian Mathematical Society, Statistical Society of Australia and/or the Australian Society for Operations Research

Pathways to Further Study

The QUT Bachelor of Mathematics (Honours) is located at Level 8 of the Australian Qualifications Framework (AQF). Graduates may be eligible for discipline relevant Research Masters and/or Doctoral level programs.

Domestic Course structure

Requirements for the completion of MS10 Bachelor of Mathematics (Honours) are as follows:

MXN400 Mathematical Research Training (12 cp)

MXN404-1 Honours Research Project-1 (12 cp)

MXN404-2 Honours Research Project-2(12 cp)

MXN404-3 Honours Research Project-3(12 cp)

and 4 Advanced Coursework units (48 credit points)

International Course structure

Requirements for the completion of MS10 Bachelor of Mathematics (Honours) are as follows:

MXN400 Mathematical Research Training (12 cp)

MXN404-1 Honours Research Project-1 (12 cp)

MXN404-2 Honours Research Project-2(12 cp)

MXN404-3 Honours Research Project-3(12 cp)

and 4 Advanced Coursework units (48 credit points)

In this list

- <u>Semester 1</u>
- Semester 2
- Mathematics Honours Options List

Semester 1	
Code	Title
MXN40 0	Mathematical Research Training

This information is correct as at 04/10/2022. For the most up-to-date course information, visit https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?courseCode=MS10&id=39006. CRICOS No.00213J

MXN40 4-1 Honours Research Project 1 Coursework option unit

Coursework option unit

-		
Semester 2		
Code	Title	
MXN40 4-2	Honours Research Project 2	
MXN40 4-3	Honours Research Project 3	
Coursework option unit		
Coursework option unit		

Mathema	Mathematics Honours Options List	
Code	Title	
MXN40 1	Minor Project	
MXN40 2	AMSI Unit 1	
MXN40 3	AMSI Unit 2	
MXN42 1	Advanced Computational Mathematics	
MXN42 2	Numerical Methods for Fractional Partial Differential Equations	
MXN42 3	Advanced Mathematical Modelling	
MXN42 4	Advanced Applied Analysis	
MXN43 1	Advanced Operations Research	
MXN44 1	Advanced Statistical Inference and Modelling	
MXN44 2	Modern Statistical Computing Techniques	



Year	2022
QUT code	SE05
CRICOS	0102144
Duration (full-time)	5 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2022: CSP \$8,100 per year full-time (96 credit points)
International fee (indicative)	2022: \$35,800 per year full-time (96 credit points)
Total credit points	480
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Paul Donehue (Urban Development majors); Dr Graham Johnson (Science majors)
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Year 12 early offer scheme

If you're a current Queensland Year 12 student, you may be eligible to receive an offer for this course on the last day of Queensland Year 12, before receiving your ATAR or selection rank.

Find out more about the QUT Year 12 Early Offer Scheme

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Assumed knowledge

 General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English

requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

For this course you must complete a total of 480 credit points, made up of 288 credit points from the Bachelor of Urban Development (Honours) (Urban and Regional Planning) and 192 credit points from the Bachelor of Science (Environmental Science). You will study both science and urban development units in your first four years, and concentrate on urban development studies for the remainder of this course.

Urban and Regional Planning component

Students are required to complete 288 credit points of study comprising:

 72 credit points of core Urban Development units including a 12 credit point work placement unit and a 12 credit point research methods unit.

 216 credit points of Urban and Regional Planning major discipline units including 24 credit points of capstone project.

Envrionmental Science Component

Students are required to complete 192 credit points of study comprising:

- 60 credit points of core Science units including one option unit (12cp) to be selected from a unit options list.
- 132 credit points of Environmental Science major discipline units.

International Course structure

For this course you must complete a total of 480 credit points, made up of 288 credit points from the Bachelor of Urban Development (Honours) (Urban and Regional Planning) and 192 credit points from the Bachelor of Science (Environmental Science). You will study both science and urban development units in your first four years, and concentrate on urban development studies for the remainder of this course.

Urban and Regional Planning component

Students are required to complete 288 credit points of study comprising:

- 72 credit points of core Urban Development units including a 12 credit point work placement unit and a 12 credit point research methods unit
- 216 credit points of Urban and Regional Planning major discipline units including 24 credit points of capstone project.

Envrionmental Science Component

Students are required to complete 192 credit points of study comprising:

- 60 credit points of core Science units including one option unit (12cp) to be selected from a unit options list.
- 132 credit points of Environmental Science major discipline units.

Sample Structure Semesters

• Somoot

- <u>Semester 1 (February)</u> <u>commencements</u>
- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
 Year 3, Semester 1



Bachelor of Urban Development (Honours) (Urban and Regional Planning)/Bachelor of Science (Environmental Science) Year 3, Semester 2 UXB301 Professional Practice

UXH300

EFB231

UXH400

UXH400

-2

-1

Year 5, Semester 1

Year 5, Semester 2

Research Methods for the

Future Built Environment

EVB312Soils and the EnvironmentOR (if EVB312 completed previously)BVB311Conservation Biology

Economics

Project - Part A

UXH431 Urban Planning Practice

UXH331 Environmental Planning UXH432 Community Planning UXH433 Regional Planning

Project - Part B

Bachelor	of Urban Development (Hono
• <u>Year</u>	r 3, Semester 2
• <u>Yea</u>	<u>r 4, Semester 1</u> r 4, Semester 2
Yea	r 5, Semester 1
• <u>Yea</u>	r 5, Semester 2
	Title
	1 (February) commencements
	emester 1
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
UXB131	Planning and Design Practice
UXB132	Urban Analysis
Year 1, S	emester 2
Science:	Core Unit Option
Environm Unit	ental Science Major Option
UXB133	Urban Studies
UXB134	Land Use Planning
Year 2, S	emester 1
SEB115	Experimental Science 1
SEB116	Experimental Science 2
UXB100	Design-thinking for the Built Environment
UXB130	History of the Built Environment
Year 2, S	emester 2
ERB101	Earth Systems
EVB102	Ecosystems and the Environment
LWS012	Urban Development Law
UXB135	Negotiation and Conflict Resolution
Year 3, S	emester 1
BVB202	Experimental Design and Quantitative Methods
EVB203	Geospatial Information Science
UXB231	Stakeholder Engagement
UXB233	Planning Law
Year 3, S	emester 2
BVB204	Ecology
EVB302	Environmental Pollution
UXB230	Site Planning
UXB234	Transport Planning
Year 4, S	emester 1
EVB312	Soils and the Environment
OR	
BVB311	Conservation Biology
USB300	Property Development
UXB330	Urban Design
UXH430	Planning Theory and Ethics
Year 4, S	emester 2
EVB304	Case Studies in Environmental Science
EDDOAO	One should be a Oriente see

ERB310 Groundwater Systems



Year	2022
QUT code	SE40
CRICOS	084922G
Duration (full-time)	5 years
Duration (part-time domestic)	9 years
ATAR/Selection rank	84.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2022: CSP \$5,700 per year full-time (96 credit points)
International fee (indicative)	2022: \$36,700 per year full-time (96 credit points)
Total credit points	480
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Jacob Coetzee (Engineering); Professor Tim Moroney (Mathematics major)
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Assumed knowledge

• Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English

requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

To graduate with a Bachelor of Engineering (Honours) in SE40, students are required to complete 288 credit points of course units, as outlined below:

- First year: four (4) core units 48cp + two (2) discipline foundation units 24cp + two (2) option units 24cp (96 credit points)
- Major: one (1) block of eight (8) major units 96cp plus eight (8) honours-level units 96cp (192 credit points).

Honours units to consist of:

- Research methods 12cp
 - Research me
 Project 24cp
 - 5 x advanced major units 60cp.

To graduate with a Bachelor of Mathematics in SE40, students are required to complete 192 credit points of course units, as outlined below:

- 96 credit points (8 units) of Core units, which include 24 credit points (2 units) of Core Option units selected from an approved list.
- 96 credit points (8 units) of Major Core units

International Course structure

To graduate with a Bachelor of Engineering (Honours) in SE40, students are required to complete 288 credit points of course units, as outlined below:

- First year: four (4) core units 48cp + two (2) discipline foundation units 24cp + two (2) option units 24cp (96 credit points)
- Major: one (1) block of eight (8) major units 96cp plus eight (8) honours-level units 96cp (192 credit points).

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x Advanced major units 60cp.

To graduate with a Bachelor of Mathematics in SE40, students are required to complete 192 credit points of course units, as outlined below:

- 96 credit points (8 units) of Core units, which include 24 credit points (2 units) of Core Option units selected from an approved list.
- 96 credit points (8 units) of Major Core units

Sample Structure

Semesters

- Applied and Computational Mathematics Major unit set:
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2

Code Title

Applied and Computational Mathematics Major unit set:

Year 1 Semester 1

MXB102	Abstract Mathematical Reasoning
MYR106	Linear Algebra

MXB106 Linear Algebra

Year 1 Semester 2

MXB105 Calculus and Differential Equations

Maths Core Options Unit

Please note: SE40 students will do MXB161 as part of their Engineering Maths units. Choose a unit from the list of Maths core options.

Year 2 Semester 1

MXB101 Probability and Stochastic Modelling 1



Bachelor of Engineering (Honours)/Bachelor of Mathematics

Maths Core Options Unit		
Year 2 Se	emester 2	
MXB103	Introductory Computational Mathematics	
MXB107	Introduction to Statistical Modelling	
Year 3 Se	emester 1	
MXB201	Advanced Linear Algebra	
MXB225	Modelling with Differential Equations 1	
Year 3 Se	emester 2	
MXB202	Advanced Calculus	
MXB226	Computational Methods 1	
Year 4 Se	emester 1	
MXB322	Partial Differential Equations	
MXB326	Computational Methods 2	
Year 4 Se	Year 4 Semester 2	
MXB325	Modelling with Differential Equations 2	
MXB328	Work Integrated Learning in Applied and Computational Mathematics	

Semesters

- Operations Research Major unit set:
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
 Year 3 Semester 1
- Year 3 Semester 1
 Year 3 Semester 2
- Year 3 Semester 2
 Year 4 Semester 1
- Year 4 Semester 1
 Year 4 Semester 2

Code	Title		
Operations Research Major unit set:			
Year 1 Se	emester 1		
MXB102	Abstract Mathematical Reasoning		
MXB106	Linear Algebra		
Year 1 Semester 2			
MXB105	Calculus and Differential Equations		
Please note: SE40 students will do MXB161 as part of their Engineering Maths units.			
Maths Co	ore Options Unit		
Year 2 Se	emester 1		
MXB101	Probability and Stochastic Modelling 1		
Maths Co	Maths Core Options Unit		
Year 2 Semester 2			
MXB103	Introductory Computational Mathematics		
MXB103 MXB107	Introductory Computational		
	Introductory Computational Mathematics Introduction to Statistical Modelling		
MXB107	Introductory Computational Mathematics Introduction to Statistical Modelling		

MXB202	Advanced Calculus	
MXB241	Probability and Stochastic Modelling 2	
Year 4 Semester 1		
MXB332 Optimisation Modelling		
MXB341	Statistical Inference	
	emester 2	
	Operations Research for	
MXB334	Stochastic Processes	
MXB338	Work Integrated Learning in Operations Research	
Semeste		
	istical Science Major unit set:	
• <u>Yea</u>	r 1 Semester 1	
	r 1 Semester 2 r 2 Semester 1	
	r 2 Semester 2	
 Yea 	r 3 Semester 1	
	<u>r 3 Semester 2</u> r 4 Semester 1	
• Yea	r 4 Semester 2	
Code	Title	
	I Science Major unit set:	
	emester 1	
Teal 100	Abstract Mathematical	
MXB102	Reasoning	
MXB106	Linear Algebra	
Year 1 Se	emester 2	
	Calculus and Differential	
MXB105	Equations	
	ote: SE40 students will do as part of their Engineering	
	ore Options Unit	
	emester 1	
	Probability and Stochastic	
MXB101	Modelling 1	
	ore Options Unit	
Year 2 Se	emester 2	
MXB103	Introductory Computational Mathematics	
MXB107	Introduction to Statistical Modelling	
Year 3 Se	emester 1	
MXB201	Advanced Linear Algebra	
MXB242	Regression and Design	
Year 3 Se	emester 2	
MXB202	Advanced Calculus	
MXB241	Probability and Stochastic Modelling 2	
Year 4 Se	emester 1	
MXB341	Statistical Inference	
MXB344	Generalised Linear Models	
Year 4 Se	emester 2	
MXB343	Modelling Dependent Data	

Research

Year 3 Semester 2

Statistics **Semesters** • Semester 1 (February) **commencements** Year 2 - Semester 1 Year 2 - Semester 2 Year 3 - Semester 1 Year 3 - Semester 2 Year 4, Semester 1 Year 4 - Semester 2 Year 5 - Semester 1 Year 5 - Semester 2 Code Title Semester 1 (February) commencements Year 2 - Semester 1 EGB160 Process Principles Foundations of Engineering EGB161 Chemistry Year 2 - Semester 2 EGB121 Engineering Mechanics Engineering Mathematics and **MZB127** Statistics Year 3 - Semester 1 EGB261 Unit Operations EGB323 Fluid Mechanics Year 3 - Semester 2 EGB263 Process Systems EGB264 Engineering Chemistry Year 4, Semester 1 Research in Engineering EGH404 Practice **Operations Management and** EGB362 **Process Economics** Year 4 - Semester 2 EGB322 Thermodynamics EGB364 Process Modelling Year 5 - Semester 1 EGB361 Minerals Processing EGH408 Research Project EGH463 Process Design Year 5 - Semester 2 EGH422 Heat Transfer EGH423 Fluid Dynamics Sustainable Chemical EGH411 Engineering in Practice EGH462 Process Control

Work Integrated Learning in

MXB348

Semesters

- Semester 1 (February)
- commencements
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4, Semester 1
- Year 4 Semester 2
- Year 5 Semester 1
- Year 5 Semester 2



Bachelor of Engineering (Honours)/Ba

EGH456 Embedded Systems

CAB432 Cloud Computing

Systems Option Unit

Year 5 - Semester 2

Systems Option Unit

EGH400

-2

Advanced Computer & Software

Research Project 2

EGH455 Advanced Systems Design

Advanced Computer & Software

Code	Title	
Semester	1 (February) commencements	
Year 2 - S	Semester 1	
EGB121	Engineering Mechanics	
MZB127	Engineering Mathematics and Statistics	
Year 2 - S	Semester 2	
EGB123	Civil Engineering Systems	
EGB124	Engineering for the Environment	
Year 3 - S	Semester 1	
EGB270	Civil Engineering Materials	
EGB272	Traffic and Transport Engineering	
Year 3 - 5	Semester 2	
EGB273	Principles of Construction	
EGB373	Geotechnical Engineering	
Year 4, S	emester 1	
EGB275	Structural Mechanics	
EGB371	Engineering Hydraulics	
Year 4 - S	Semester 2	
EGB376	Steel Design	
EGH471	Advanced Water Engineering	
Year 5 - 5	Semester 1	
EGB375	Design of Concrete Structures	
EGH400 -1	Research Project 1	
	,	
EGH404	Research in Engineering Practice	
EGH404 EGH473	Research in Engineering	
EGH473	Research in Engineering Practice Advanced Geotechnical	
EGH473	Research in Engineering Practice Advanced Geotechnical Engineering	
EGH473 Year 5 - 5 EGH400	Research in Engineering Practice Advanced Geotechnical Engineering Semester 2	
EGH473 Year 5 - 5 EGH400 -2	Research in Engineering Practice Advanced Geotechnical Engineering Semester 2 Research Project 2 Advanced Highway and	
EGH473 Year 5 - S EGH400 -2 EGH472 EGH472	Research in Engineering Practice Advanced Geotechnical Engineering Semester 2 Research Project 2 Advanced Highway and Pavement Engineering Advances in Civil Engineering	
EGH473 Year 5 - S EGH400 -2 EGH472 EGH472	Research in Engineering Practice Advanced Geotechnical Engineering Semester 2 Research Project 2 Advanced Highway and Pavement Engineering Advances in Civil Engineering Practice	
EGH473 Year 5 - S EGH400 -2 EGH472 EGH472 One Adva	Research in Engineering Practice Advanced Geotechnical Engineering Semester 2 Research Project 2 Advanced Highway and Pavement Engineering Advances in Civil Engineering Practice anced Civil Unit from Advanced Concrete	
EGH473 Year 5 - S EGH400 -2 EGH472 EGH479 One Adva EGH475	Research in Engineering Practice Advanced Geotechnical Engineering Semester 2 Research Project 2 Advanced Highway and Pavement Engineering Advances in Civil Engineering Practice anced Civil Unit from Advanced Concrete	

Semesters

٠	Semester 1	(February)

- <u>commencements</u> ٠
- Year 1 Semester 1 Year 1 - Semester 2 .
- Year 2 Semester 1
- Year 2 Semester 2
- •
- Year 3 Semester 1 Year 3 Semester 2 ٠
- Year 4 - Semester 1
- Year 4 Semester 2 ٠ •
- Year 5 Semester 1 Year 5 Semester 2 ٠

Bachelor	of Mathematics	
Code	Title	
Semester	1 (February) commencements	
Year 1 - S	Semester 1	
EGB101	Engineering Design and Professional Practice	
MZB125 Introductory Engineering Mathematics OR MXB161 Computational Explorations. If you have obtained Sound Achievement (or higher) in Mathematical Methods and Specialist Mathematics, you must choose MXB161 Computational Explorations.		
MZB125	Introductory Engineering Mathematics	
OR		
MXB161	Computational Explorations	
Year 1 - S	Semester 2	
EGB102	Fundamentals of Engineering Science	
EGB103	Computing and Data for Engineers	
Year 2 - 5	Semester 1	
CAB201	Programming Principles	
EGB120	Foundations of Electrical Engineering	
Year 2 - 5	Semester 2	
CAB202	Microprocessors and Digital Systems	
MZB127	Engineering Mathematics and Statistics	
Year 3 - S	Semester 1	
EGB242	Signal Analysis	
MZB221	Electrical Engineering Mathematics	
Year 3 - 5	Semester 2	
Intermedi	ate Electrical Option unit	
Year 4 - 5	Semester 1	
CAB301	Algorithms and Complexity	
EGB240	Electronic Design	
Year 4 - S	Semester 2	
CAB240	Information Security	
EGH404	Research in Engineering Practice	
Year 5 - S	Semester 1	
CAB302	Software Development	
EGH400 -1	Research Project 1	
FOLIAFO	Emboddod Sustama	

Semesters

- Semester 1 (February) commencements
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
 Year 3 Semester 2
- Year 4 Semester 1 Year 4 - Semester 2
- Year 5 Semester 1
 Year 5 Semester 2

Code	Title		
Semester	r 1 (February) commencements		
Year 2 - S	Year 2 - Semester 1		
EGB121	Engineering Mechanics		
MZB127	Engineering Mathematics and Statistics		
Year 2 - S	Semester 2		
CAB202	Microprocessors and Digital Systems		
EGB120	Foundations of Electrical Engineering		
Year 3 - S	Semester 1		
EGB240	Electronic Design		
MZB221	Electrical Engineering Mathematics		
Year 3 - S	Semester 2		
EGB242	Signal Analysis		
Intermedi	ate Electrical Option Unit (1)		
requisite granted if the same			
Year 4 - S	Semester 1		
EGB340	Design and Practice		
EGB241	Electromagnetics and Machines		
Year 4 - S	Semester 2		
EGB341	Energy Supply and Delivery		
Intermedi	ate Electrical Option Unit (2)		
Year 5 - S	Semester 1		
EGH400 -1	Research Project 1		
EGH404	Research in Engineering Practice		
Advanced	d Electrical Option Unit (1)		
Advanced	Advanced Electrical Option Unit (2)		
	Semester 2		
EGH400 -2	Research Project 2		
Advanced	d Electrical Option Unit (3)		
	d Electrical Option Unit (4)		
Auvanced			

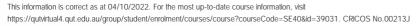
Semesters

• Semester 1 (February)

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- commencements
- Year 2 Semester 1
- Year 2 Semester 2





Bachelor of Engineering (Honours)/Bachelor of Mathematics

 <u>Yea</u> <u>Yea</u> <u>Yea</u> <u>Yea</u> 	r 3 - Semester 1 r 3 - Semester 2 r 4 - Semester 1 r 4 - Semester 2 r 5 - Semester 1 r 5 - Semester 2
Code	Title
Semester	1 (February) commencements
Year 2 - S	Semester 1
EGB120	Foundations of Electrical Engineering
MZB127	Engineering Mathematics and Statistics
Year 2 - S	Semester 2
EGB121	Engineering Mechanics
CAB202	Microprocessors and Digital Systems
Year 3 - S	Semester 1
MZB221	Electrical Engineering Mathematics
EGB240	Electronic Design
Year 3 - S	Semester 2
EGB242	Signal Analysis
Intermedi Option Ur	ate Electrical and Aerospace
Year 4 - S	Semester 1
EGB243	Aircraft Systems and Flight
EGB349	Systems Engineering and Design Project
Year 4 - S	Semester 2
EGB345	Control and Dynamic Systems
EGB346	Unmanned Aircraft Systems
Year 5 - S	Semester 1
EGH400 -1	Research Project 1
EGH404	Research in Engineering Practice
EGH445	Modern Control
Option Ur	
Year 5 - S	Semester 2
EGH400 -2	Research Project 2
EGH450	Advanced Unmanned Aircraft Systems
EGH446	Autonomous Systems
Advanced Electrical and Aerospace Option Unit	

Semesters

- Semester 1 (February)
- commencements
- Year 2 Semester 1 •
- Year 2 Semester 2
- Year 3 Semester 1 Year 3 - Semester 2
- Year 4 Semester 1 ٠
- Year 4 Semester 2 •
- Year 5 - Semester 1

Year 5 - Semester 2

Code	Title	
Semester	1 (February) commencements	
Year 2 - 5	Semester 1	
EGB121	Engineering Mechanics	
MZB127	Engineering Mathematics and Statistics	
Year 2 - S	Semester 2	
EGB120	Foundations of Electrical Engineering	
EGB125	Design for Manufacture	
Year 3 - S	Semester 1	
EGB214	Materials and Manufacturing	
EGB314	Solid Mechanics	
Year 3 - 5	Semester 2	
EGB210	Fundamentals of Mechanical Design	
EGB211	Dynamics	
Year 4 - 5	Semester 1	
EGB321	Dynamics of Machines	
EGB323	Fluid Mechanics	
Year 4 - S	Semester 2	
EGB322	Thermodynamics	
EGH404	Research in Engineering Practice	
Year 5 - S	Semester 1	
EGB316	Design of Machine Elements	
EGH400 -1	Research Project 1	
EGH414	Stress Analysis	
EGH421	Vibration and Control	
Year 5 - Semester 2		
EGH400 -2	Research Project 2	
EGH420	Mechanical Systems Design	
EGH422	Heat Transfer	
EGH423	Fluid Dynamics	

Semesters

 <u>Semester 1 (February)</u>
commencements
Year 2 - Semester 1
Year 2 - Semester 2
Year 3 - Semester 1
Year 3 - Semester 2
Year 4 - Semester 1

- Year 4 Semester 2
- Year 5 Semester 1
 Year 5 Semester 2

Code	Title
Semester	1 (February) commencements

Year 2 - Semester 1

EGB121	Engineering Mechanics
MZB127	Engineering Mathematics and Statistics

Year 2 - Semester 2

EGB120 Foundations of Electrical

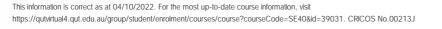
	Engineering
MZB221	Electrical Engineering
IVIZBZZ1	Mathematics
Year 3 - S	Semester 1
EGB242	Signal Analysis
Materials CAB202	Strand unit (EGB214) OR
EGB214	Materials and Manufacturing
OR	5
CAB202	Microprocessors and Digital Systems
Year 3 - S	Semester 2
EGB345	Control and Dynamic Systems
Dynamics CAB202	Strand unit (EGB211) or
EGB211	Dynamics
OR	
CAB202	Microprocessors and Digital Systems
Year 4 - S	Semester 1
EGB220	Mechatronics Design 1
	Strand unit (EGB321) OR Strand unit (EGB314)
EGB321	Dynamics of Machines
OR	
EGB314	Solid Mechanics
Year 4 - S	Semester 2
EGB320	Mechatronics Design 2
	ate Electrical Unit Option
	Semester 1
EGH404	Research in Engineering Practice
EGH419	Mechatronics Design 3
EGH445	Modern Control
Materials	Strand unit (EGH414) OR Electrical Unit Option
	Stress Analysis
OR	-
Advanced	Electrical Option Unit
Year 5 - S	Semester 2
EGH408	Research Project
EGH446	Autonomous Systems
	Strand unit (EGH413) OR Electrical Unit Option
EGH413	Advanced Dynamics
OR	Electrical Option Unit

Semesters

- Semester 1 (February) commencements
- Year 2 Semester 1
 Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
 Year 5 Semester 1

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the university for the real world



• Year 5 - Semester 2

CodeTitleSemester1 (February) commencementsYear 2 - Semester 1EGB121Engineering MechanicsMZB127Engineering Mathematics and StatisticsYear 2 - Semester 2EGB120Foundations of Electrical EngineeringEGB125Design for ManufactureYear 3 - Semester 1EGB214Materials and ManufacturingEGB214Solid MechanicsYear 3 - Semester 2EGB210Fundamentals of Mechanical DesignEGB211DynamicsYear 4 - Semester 1EGB323Fluid MechanicsLQB187Human AnatomyYear 4 - Semester 2EGH404Research in Engineering PracticeLSB231PhysiologyYear 5 - Semester 1EGB319Medical Device DesignEGH400 -1Research Project 1EGH404Stress AnalysisEGH405EGH406Year 5 - Semester 2EGH406Research Project 2EGH418BiomaterialsYear 5 - Semester 2EGH400 -2Research Project 2EGH418BiofluidsEGH424BiofluidsEGH435Modelling and Simulation for Medical Engineers			
Year 2 - Semester 1EGB121Engineering MechanicsMZB127Engineering Mathematics and StatisticsYear 2 - Semester 2EGB120Foundations of Electrical EngineeringEGB125Design for ManufactureYear 3 - Semester 1EGB214Materials and ManufacturingEGB314Solid MechanicsYear 3 - Semester 2EGB210Fundamentals of Mechanical DesignEGB211DynamicsYear 4 - Semester 1EGB323Fluid MechanicsLQB187Human AnatomyYear 4 - Semester 2EGH404Research in Engineering PracticeLSB231PhysiologyYear 5 - Semester 1EGB319Medical Device DesignEGH400-1EGH414Stress AnalysisEGH438BiomaterialsYear 5 - Semester 2EGH400Research Project 1EGH418BiomechanicsEGH418BiomechanicsEGH418BiomechanicsEGH418BiomechanicsEGH424BiofluidsFGH435Modelling and Simulation for	Code	Title	
EGB121Engineering MechanicsMZB127Engineering Mathematics and StatisticsYear 2 - Semester 2EGB120Foundations of Electrical EngineeringEGB125Design for ManufactureYear 3 - Semester 1EGB214Materials and ManufacturingEGB314Solid MechanicsYear 3 - Semester 2EGB210Fundamentals of Mechanical DesignEGB211DynamicsYear 4 - Semester 1EGB323Fluid MechanicsLQB187Human AnatomyYear 4 - Semester 2EGH404Research in Engineering PracticeLSB231PhysiologyYear 5 - Semester 1EGB319Medical Device DesignEGH400Research Project 111EGH414Stress AnalysisEGH438BiomaterialsYear 5 - Semester 2EGH400Research Project 2EGH418BiomechanicsEGH418BiomechanicsEGH418BiofluidsFGH425Modelling and Simulation for			
MZB127Engineering Mathematics and StatisticsYear 2 - Semester 2EGB120Foundations of Electrical EngineeringEGB125Design for ManufactureYear 3 - Semester 1EGB214Materials and ManufacturingEGB314Solid MechanicsYear 3 - Semester 2EGB210Fundamentals of Mechanical DesignEGB211DynamicsYear 4 - Semester 1EGB323Fluid MechanicsLQB187Human AnatomyYear 4 - Semester 2EGH404Research in Engineering PracticeLSB231PhysiologyYear 5 - Semester 1EGB319Medical Device DesignEGH400-1EGH414Stress AnalysisEGH438BiomaterialsYear 5 - Semester 2EGH400Research Project 1EGH414Stress AnalysisEGH418BiomechanicsEGH418BiomechanicsEGH418BiomechanicsEGH418BiofluidsFGH425Modelling and Simulation for	Year 2 - S	Semester 1	
M2B127StatisticsYear 2 - Semester 2EGB120Foundations of Electrical EngineeringEGB125Design for ManufactureYear 3 - Semester 1EGB214Materials and ManufacturingEGB314Solid MechanicsYear 3 - Semester 2EGB210Fundamentals of Mechanical DesignEGB211DynamicsYear 4 - Semester 1EGB323Fluid MechanicsLQB187Human AnatomyYear 4 - Semester 2EGH404Research in Engineering PracticeLSB231PhysiologyYear 5 - Semester 1EGB319Medical Device DesignEGH400 -1Research Project 1EGH414Stress AnalysisEGH438BiomaterialsYear 5 - Semester 2EGH400 -2Research Project 2EGH418BiomechanicsEGH418BiomechanicsEGH418BiofluidsEGH424BiofluidsEGH425Modelling and Simulation for	EGB121	Engineering Mechanics	
EGB120Foundations of Electrical EngineeringEGB125Design for ManufactureYear 3 - Semester 1EGB214Materials and ManufacturingEGB314Solid MechanicsYear 3 - Semester 2EGB210Fundamentals of Mechanical DesignEGB211DynamicsYear 4 - Semester 1EGB323Fluid MechanicsLQB187Human AnatomyYear 4 - Semester 2EGH404Research in Engineering PracticeLSB231PhysiologyYear 5 - Semester 1EGB319Medical Device DesignEGH400Research Project 111EGH414Stress AnalysisEGH438BiomaterialsYear 5 - Semester 2EGH400Research Project 2EGH418BiomechanicsEGH418BiomechanicsEGH418BiofluidsEGH424BiofluidsEGH425Modelling and Simulation for	MZB127		
EGB120EngineeringEGB125Design for ManufactureYear 3 - Semester 1EGB214Materials and ManufacturingEGB214Solid MechanicsYear 3 - Semester 2EGB210Fundamentals of Mechanical DesignEGB211DynamicsYear 4 - Semester 1EGB323Fluid MechanicsLQB187Human AnatomyYear 4 - Semester 2EGH404Research in Engineering PracticeLSB231PhysiologyYear 5 - Semester 1EGB319Medical Device DesignEGH400Research Project 1-1EGH414Stress AnalysisEGH438BiomaterialsYear 5 - Semester 2EGH400Research Project 2EGH418BiomechanicsEGH418BiomechanicsEGH418BiofluidsEGH424BiofluidsEGH425Modelling and Simulation for	Year 2 - S	Semester 2	
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EGB214Materials and ManufacturingEGB314Solid MechanicsYear 3 - Semester 2EGB210Fundamentals of Mechanical DesignEGB211DynamicsYear 4 - Semester 1EGB323Fluid MechanicsLQB187Human AnatomyYear 4 - Semester 2EGH404Research in Engineering PracticeLSB231PhysiologyYear 5 - Semester 1EGB319Medical Device DesignEGH400-1EGH414Stress AnalysisEGH438BiomaterialsYear 5 - Semester 2EGH400-2Research Project 1EGH418BiomechanicsEGH418BiomechanicsEGH424BiofluidsEGH425Modelling and Simulation for	EGB125	Design for Manufacture	
For the formation of the form	Year 3 - S	Semester 1	
Year 3 - Semester 2EGB210Fundamentals of Mechanical DesignEGB211DynamicsYear 4 - Semester 1EGB323Fluid MechanicsLQB187Human AnatomyYear 4 - Semester 2EGH404Research in Engineering PracticeLSB231PhysiologyYear 5 - Semester 1EGB319Medical Device DesignEGH400 -1Research Project 1EGH414Stress AnalysisEGH438BiomaterialsYear 5 - Semester 2EGH400 -1Research Project 2EGH400 -2Research Project 2EGH418BiomechanicsEGH424BiofluidsEGH435Modelling and Simulation for	EGB214	Materials and Manufacturing	
EGB210Fundamentals of Mechanical DesignEGB211DynamicsYear 4 - Semester 1EGB323Fluid MechanicsLQB187Human AnatomyYear 4 - Semester 2EGH404Research in Engineering PracticeLSB231PhysiologyYear 5 - Semester 1EGB319Medical Device DesignEGH400 -1Research Project 1EGH414Stress AnalysisEGH438BiomaterialsYear 5 - Semester 2EGH400 -1Research Project 2EGH418BiomechanicsEGH418BiomechanicsEGH424BiofluidsEGH435Modelling and Simulation for	EGB314	Solid Mechanics	
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Year 4 - Semester 1EGB323Fluid MechanicsLQB187Human AnatomyYear 4 - Semester 2EGH404Research in Engineering PracticeLSB231PhysiologyYear 5 - Semester 1EGB319Medical Device DesignEGH400Research Project 1-1Stress AnalysisEGH438BiomaterialsYear 5 - Semester 2EGH400-2EGH400Research Project 2EGH418BiomechanicsEGH424BiofluidsEGH435Modelling and Simulation for	EGB210		
EGB323Fluid MechanicsLQB187Human AnatomyYear 4 - Semester 2EGH404Research in Engineering PracticeLSB231PhysiologyYear 5 - Semester 1EGB319Medical Device DesignEGH400Research Project 1-1Stress AnalysisEGH438BiomaterialsYear 5 - Semester 2EGH400Research Project 2EGH400Research Project 2EGH418BiomechanicsEGH424BiofluidsEGH435Modelling and Simulation for	EGB211	Dynamics	
LQB187Human AnatomyYear 4 - Semester 2EGH404Research in Engineering PracticeLSB231PhysiologyYear 5 - Semester 1EGB319Medical Device DesignEGH400Research Project 1-1Stress AnalysisEGH414Stress AnalysisEGH438BiomaterialsYear 5 - Semester 2EGH400Research Project 2EGH418BiomechanicsEGH418BiofluidsEGH424BiofluidsEGH435Modelling and Simulation for	Year 4 - S	Semester 1	
Year 4 - Semester 2EGH404Research in Engineering PracticeLSB231PhysiologyYear 5 - Semester 1EGB319Medical Device DesignEGH400Research Project 1-1Stress AnalysisEGH414Stress AnalysisEGH438BiomaterialsYear 5 - Semester 2EGH400Research Project 2EGH400Research Project 2EGH418BiomechanicsEGH424BiofluidsEGH435Modelling and Simulation for	EGB323	Fluid Mechanics	
EGH404Research in Engineering PracticeLSB231PhysiologyYear 5 - Semester 1EGB319Medical Device DesignEGH400 -1Research Project 1EGH414Stress AnalysisEGH438BiomaterialsYear 5 - Semester 2EGH400 -2Research Project 2EGH418BiomechanicsEGH424BiofluidsEGH435Modelling and Simulation for	LQB187	Human Anatomy	
EGH404PracticeLSB231PhysiologyYear 5 - Semester 1EGB319Medical Device DesignEGH400Research Project 1-1EGH414Stress AnalysisEGH438BiomaterialsYear 5 - Semester 2EGH400Research Project 2-2Research Project 2EGH418BiomechanicsEGH424BiofluidsEGH435Modelling and Simulation for	Year 4 - S	Semester 2	
Year 5 - Semester 1EGB319Medical Device DesignEGH400Research Project 1-1EGH414Stress AnalysisEGH438BiomaterialsYear 5 - Semester 2EGH400Research Project 2-2Research Project 2EGH418BiomechanicsEGH424BiofluidsEGH435Modelling and Simulation for	EGH404	0 0	
EGB319Medical Device DesignEGH400 -1Research Project 1EGH414Stress AnalysisEGH438BiomaterialsYear 5 - Semester 2EGH400 -2Research Project 2EGH418BiomechanicsEGH424BiofluidsEGH435Modelling and Simulation for	LSB231	Physiology	
EGH400 -1Research Project 1EGH414Stress AnalysisEGH438BiomaterialsYear 5 - Semester 2EGH400 -2Research Project 2EGH418BiomechanicsEGH424BiofluidsEGH435Modelling and Simulation for	Year 5 - 5	Semester 1	
-1Research Project 1EGH414Stress AnalysisEGH438BiomaterialsYear 5 - Semester 2EGH400Research Project 2-2Research Project 2EGH418BiomechanicsEGH424BiofluidsEGH435Modelling and Simulation for	EGB319	Medical Device Design	
EGH438BiomaterialsYear 5 - Semester 2EGH400 -2Research Project 2EGH418BiomechanicsEGH424BiofluidsEGH435Modelling and Simulation for		Research Project 1	
Year 5 - Semester 2EGH400 -2Research Project 2EGH418BiomechanicsEGH424BiofluidsEGH435Modelling and Simulation for	EGH414	Stress Analysis	
EGH400 -2Research Project 2EGH418BiomechanicsEGH424BiofluidsEGH435Modelling and Simulation for	EGH438	Biomaterials	
-2 Research Project 2 EGH418 Biomechanics EGH424 Biofluids EGH435 Modelling and Simulation for	Year 5 - Semester 2		
EGH424 Biofluids EGH435 Modelling and Simulation for		Research Project 2	
EGH435 Modelling and Simulation for	EGH418	Biomechanics	
E19H435	EGH424	Biofluids	
	EGH435		

Year	2022
QUT code	SE60
CRICOS	084923F
Duration (full-time)	5 years
Duration (part-time domestic)	9 years
ATAR/Selection rank	78.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2022: CSP \$7,300 per year full-time (96 credit points)
International fee (indicative)	2022: \$36,800 per year full-time (96 credit points)
Total credit points	480
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Jacob Coetzee (Engineering); Dr Wayne Kelly (Information Technology)
Discipline Coordinator	Dr Thomas Rainey (Chemical Process), Associate Professor Jonathan Bunker (Civil); Dr Matthew McKague (Computer & Software Systems); Dr Jacob Coetzee (Electrical); Dr Aaron Mcfadyen (Electrical & Aerospace); Dr Wim Dekkers/Professor Ted Steinberg (Mechanical); Associate Professor Luis Alvarez (Mechatronics); Associate Professor Devakar Epari (Medical); Dr Jinglan Zhang (Computer Science); and Dr Erwin Fielt (Information Systems) +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Year 12 early offer scheme

If you're a current Queensland Year 12 student, you may be eligible to receive an offer for this course on the last day of Queensland Year 12, before receiving your ATAR or selection rank

Find out more about the QUT Year 12 Early Offer Scheme

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Assumed knowledge

 Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

To graduate with a Bachelor of Engineering (Honours) in SE60, students are required to complete 288 credit points of course units, as outlined below:

- First year: four (4) core units 48cp + two (2) discipline foundation units 24cp + two (2) option units 24cp (96 credit points)
- Major: one (1) block of eight (8) major units 96cp plus eight (8) honours-level units 96cp (192 credit points).

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x advanced major units 60cp.

To graduate with a Bachelor of Information Technology in SE60, students are required to complete 192 credit points of course units, as outlined below:

- 72 credit points (6 units) of IT Core units, which includes unit from an approved options list.
- 120 credit points (10 units) of Major Core units

International Course

structure

To graduate with a Bachelor of Engineering (Honours) in SE60, students are required to complete 288 credit points of course units, as outlined below:

- First year: four (4) core units 48cp + two (2) discipline foundation units 24cp + two (2) option units 24cp (96 credit points)
- Major: one (1) block of eight (8) major units 96cp plus eight (8) honours-level units 96cp (192 credit points).

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x advanced major units 60cp.

To graduate with a Bachelor of Information Technology in SE60, students are required to complete 192 credit points of course units, as outlined below:

- 72 credit points (6 units) of IT Core units, which includes unit from an approved options list.
- 120 credit points (10 units) of Major Core units

Sample Structure Shared Units

EGB103 will be completed as part of the Engineering component and will contribute to completion requirements of both the Engineering and IT components of the double degree. A replacement unit to be selected from the IT Core Unit Options in the IT component will apply.

Code Title

First semester Feb/July entry

EGB101 Engineering Design and Professional Practice

MZB125 Introductory Engineering Mathematics OR MXB161 Computational Explorations. If you have obtained Sound Achievement (or higher) in Mathematical Methods and Specialist Mathematics, you must choose MXB161 Computational Explorations.

MZB125 Introductory Engineering Mathematics



OR	
MXB161	Computational Explorations
EGB103	Computing and Data for Engineers
IFB102	Introduction to Computer Systems
Second s	emester Feb/July entry
EGB102	Fundamentals of Engineering Science
IFB103	IT Systems Design
IFB105	Database Management
IFB240	Cyber Security
Note: From 2023 IFB240 will replace IT Core Unit Option. IFB240 will become core unit.	

PLEASE NOTE:

For students taking the **IT: Computer Science major with Engineering: Computer & Software Systems major**, please refer to the Engineering & IT Units: Computer & Software Systems Major with Computer Science Major (Feb)/(July) structure.

Semesters

- Semester 1 (February)
- commencements
- Year 2, Semester 1
- Year 2, Semester 2
 Year 3, Semester 1
- Year 3, Semester 1
 Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Semester 2 (July) commencements
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Year 5, Semester 1
- <u>Computer Science Major Unit</u>
 <u>Options</u>

Code Title

Semester	1 (February) commer	cements
Year 2, Se	emester 1	

For Engineering students majoring in: Civil, Mechanical, Medical or Process/Chemical Process major -

IT Core Unit Option

IT Core Unit Option

For Engineering students majoring in: Electrical, Electrical & Aerospace or Mechatronics major -

IT Core Unit Option

CAB201 Programming Principles

Year 2, Semester 2

For Engineering students majoring in: Civil, Mechanical, Medical or Process/Chemical Process major -CAB201 Programming Principles

CAB202	Microprocessors and Digital Systems	
(Note: Select CAB202 from the Computer Science Major Option list - this is compulsory in the IT component if majoring in these engineering majors.)		
Electrical	eering students majoring in: , Electrical & Aerospace or nics major -	
IT Core U	Init Option	
Compute	r Science Major Unit Option 1	
in the eng	B202 will be available as core jineering component if majoring engineering majors.)	
	emester 1	
CAB203	Discrete Structures	
CAB302	Software Development	
	emester 2	
CAB303	Networks	
IFB295	IT Project Management	
Year 4, S		
CAB301	Algorithms and Complexity	
IFB398	Capstone Project (Phase 1)	
	emester 2	
IFB399	Capstone Project (Phase 2)	
Compute	r Science Major Unit Option 2	
Semester	2 (July) commencements	
Year 2, S	emester 2	
CAB201	Programming Principles	
IT Core C	option	
Year 3, S	emester 1	
CAB203	Discrete Structures	
Civil, Med	eering students majoring in: chanical, Medical or	
Process/C	Chemical Process major -	
CAB202	Microprocessors and Digital Systems	
For Engineering students majoring in: Electrical, Electrical & Aerospace or Mechatronics major -		
Compute	r Science Major Unit Option 1	
	emester 2	
CAB303	Networks	
IFB295	IT Project Management	
	emester 1	
CAB301	Algorithms and Complexity	
CAB302	Software Development	
	emester 2	
IFB398		
	Capstone Project (Phase 1)	

Computer Science Major Unit Option 2

Year 5, Semester 1

IFB399 Capstone Project (Phase 2) Computer Science Major Unit Option 2 OR

This information is correct as at 04/10/2022. For the most up-to-date course information, visit https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?courseCode=SE60&id=39033. CRICOS No.00213J

selected previously.)		
Computer	r Science Major Unit Options	
CAB202	Microprocessors and Digital Systems	
(CAB202 is CORE unless your Engineering major is in Computer & Software Systems, Electrical, Electrical & Aerospace or Mechatronics in which you will complete CAB202 in your Engineering component.)		
CAB220	Fundamentals of Data Science	
CAB320	Artificial Intelligence	
CAB340	Cryptography	
CAB401	High Performance and Parallel Computing	
CAB402	Programming Paradigms	
CAB403	Systems Programming	
CAB420	Machine Learning	
CAB430	Data and Information Integration	
CAB432	Cloud Computing	
CAB440	Network and Systems Administration	
Semesters Semester 1 (February) 		

(Select IT Core Unit Option here, if not

IT Core Unit Option

- commencements
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Semester 2 (July) commencements
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Year 5, Semester 1

Code Title Semester 1 (February) commencements Year 2, Semester 1 **IT Core Unit Option** IT Core Unit Option Year 2, Semester 2 Modelling Techniques for **IAB201** Information Systems **Rapid Web Application IAB207** Development Year 3, Semester 1 IAB203 **Business Process Modelling Business Requirements** IAB204 Analysis Year 3, Semester 2 Information Systems Lifecycle IAB305 Management



Year 4, Semester 1IFB398Capstone Project (Phase 1)Select orof:IAB206Modern Data ManagementIAB200Social TechnologiesIAB303Data Analytics for Business InsightIAB303Business Process ImprovementIAB402Information Systems ConsultingYear 4, Semester 2IAB401Enterprise ArchitectureIFB399Capstone Project (Phase 2)Semester 2July) commencementsYear 2, Semester 2IAB201Modelling Techniques for Information SystemsIT Core Unit OptionYear 3, Semester 1IAB204Business Requirements AnalysisIAB207Rapid Web Application DevelopmentYear 3, Semester 2IAB305Information Systems Lifecycle ManagementIT Core Unit OptionYear 4, Semester 2IAB305Information Systems Lifecycle ManagementIAB207Rapid Web Application DevelopmentYear 3, Semester 2IAB305Information Systems Lifecycle ManagementIAB305Information Systems Lifecycle ManagementIT Core Unit OptionYear 4, Semester 2IAB401Enterprise ArchitectureIFB398Capstone Project (Phase 1)Year 5, Semester 1IAB401Enterprise ArchitectureIFB398Capstone Project (Phase 2)Select ONE of:IAB403Data Analytics for BusinessIAB404Social TechnologiesIAB303Data Analytics for Business <th>IFB295</th> <th>IT Project Management</th>	IFB295	IT Project Management
Select one of:IAB206Modern Data ManagementIAB200Social TechnologiesIAB303Data Analytics for Business InsightIAB303Data Analytics for Business InsightIAB320Business Process ImprovementIAB402Information Systems ConsultingYear 4, Semester 2IAB401Enterprise ArchitectureIFB399Capstone Project (Phase 2)Semester 2 (July) commencementsYear 2, Semester 2IAB201Modelling Techniques for Information SystemsIT Core Unit OptionYear 3, Semester 1IAB204Business Requirements AnalysisIAB207Rapid Web Application DevelopmentYear 3, Semester 2IAB305Information Systems Lifecycle ManagementIT Core Unit OptionYear 4, Semester 1IAB203Business Process ModellingIFB295IT Project ManagementYear 4, Semester 2IAB401Enterprise ArchitectureIFB398Capstone Project (Phase 1)Year 4, Semester 2IAB401Enterprise ArchitectureIFB398Capstone Project (Phase 2)Select OVE of:IAB206IAB206Modern Data ManagementIAB207Data Analytics for Business InsightIAB208Data Analytics for Business InsightIAB209Information Systems	Year 4, S	emester 1
IAB206Modern Data ManagementIAB260Social TechnologiesIAB303Data Analytics for Business InsightIAB303Business Process ImprovementIAB402Information Systems ConsultingYear 4, Swester 2IAB401Enterprise ArchitectureIFB399Capstone Project (Phase 2)Semester 2 (July) commencementsYear 2, Swester 2IAB201Modelling Techniques for Information SystemsYear 3, Swester 1IAB204Business Requirements AnalysisIAB207Rapid Web Application DevelopmentYear 3, Swester 2IAB207Information Systems Lifecycle ManagementIAB207Information Systems Lifecycle ManagementIAB203Information Systems Lifecycle ManagementYear 4, Swester 1IAB203Business Process Modelling IFB295IT Project ManagementYear 4, Swester 2IAB401Enterprise ArchitectureIFB398Capstone Project (Phase 1)Year 4, Swester 2IAB401Enterprise ArchitectureIFB398Capstone Project (Phase 2)Select OVE of:IAB206Modern Data ManagementIAB207Data Analytics for Business InsightIAB303Data Analytics for Business InsightIAB303Data Analytics for Business InsightIAB303Data Analytics for Business InsightIAB304Information Systems	IFB398	Capstone Project (Phase 1)
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IAB303InsightIAB320Business Process ImprovementIAB402Information Systems ConsultingYear 4, S=mester 2IAB401Enterprise ArchitectureIFB399Capstone Project (Phase 2)Semester 2July) commencementsYear 2, S=mester 2IAB201Modelling Techniques for Information SystemsIT Core Unit OptionYear 3, S=mester 1IAB204Business Requirements AnalysisIAB207Rapid Web Application DevelopmentYear 3, S=mester 2IAB305Information Systems Lifecycle ManagementIT Core Unit OptionYear 4, S=mester 1IAB203Business Process ModellingIFB295IT Project ManagementYear 4, S=mester 2IAB401Enterprise ArchitectureIFB398Capstone Project (Phase 1)Year 5, S=mester 1IAB401Enterprise ArchitectureIFB398Capstone Project (Phase 2)Select OF:IAB206IAB206Modern Data ManagementIAB207Data Analytics for BusinessIAB303Data Analytics for BusinessIAB303Data Analytics for BusinessIAB304Information Systems	IAB260	Social Technologies
IAB320ImprovementIAB402Information Systems ConsultingYear 4, Swester 2IAB401Enterprise ArchitectureIFB399Capstone Project (Phase 2)Semester 2 (July) commencementsYear 2, Swester 2IAB201Modelling Techniques for Information SystemsIT Core UNT OptionYear 3, Swester 1IAB204Business Requirements AnalysisIAB207Rapid Web Application DevelopmentYear 3, Swester 2IAB305Information Systems Lifecycle ManagementIAB305Information Systems Lifecycle ManagementIT Core UNT OptionYear 4, Swester 1IAB203Business Process Modelling IFB295IFB295IT Project ManagementYear 4, Swester 2IAB401Enterprise ArchitectureIFB398Capstone Project (Phase 1)Year 5, Swester 1IFB399Capstone Project (Phase 2)Select OVE of:IAB206Modern Data ManagementIAB207Data Analytics for Business InsightIAB303Information Systems	IAB303	
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IAB401Enterprise ArchitectureIFB399Capstone Project (Phase 2)Semester 2(July) commencementsYear 2, Swester 2IAB201Modelling Techniques for Information SystemsIT Core Unit OptionYear 3, Swester 1IAB204Business Requirements AnalysisIAB207Rapid Web Application DevelopmentYear 3, Swester 2IAB207Information Systems Lifecycle ManagementIAB305Information Systems Lifecycle ManagementIT Core Unit OptionYear 4, Swester 1IAB203Business Process ModellingIFB295IT Project ManagementYear 4, Swester 2IAB401Enterprise ArchitectureIFB398Capstone Project (Phase 1)Year 5, Swester 1IFB399Capstone Project (Phase 2)Select OVE of:IAB206Modern Data ManagementIAB207Data Analytics for BusinessIAB303Data Analytics for BusinessIAB304Information Systems	IAB402	
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Semester 2 (July) commencementsYear 2, Sumester 2IAB201Modelling Techniques for Information SystemsIT Core Unit OptionYear 3, Sumester 1IAB204Business Requirements AnalysisIAB207Rapid Web Application DevelopmentYear 3, Sumester 2IAB305Information Systems Lifecycle ManagementIT Core Unit OptionYear 4, Sumester 1IAB203Business Process ModellingIFB295IT Project ManagementYear 4, Sumester 2IAB401Enterprise ArchitectureIFB398Capstone Project (Phase 1)Year 5, Sumester 1IAB206Modern Data ManagementIAB207Data Analytics for BusinessIAB303Data Analytics for BusinessIAB303InsightIAB320Information Systems	IAB401	Enterprise Architecture
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IAB201Modelling Techniques for Information SystemsIT CoreUtoptionYear 3, Senester 1IAB204Business Requirements AnalysisIAB207Rapid Web Application DevelopmentYear 3, Senester 2IAB305Information Systems Lifecycle ManagementIT CoreUtoptionYear 4, Senester 1IAB203Business Process ModellingIFB295IT Project ManagementIFB295IT Project ManagementYear 4, Senester 2IAB401Enterprise ArchitectureIFB398Capstone Project (Phase 1)Year 5, Senester 1IFB399Capstone Project (Phase 2)Select OVE of:IAB206Modern Data ManagementIAB207Data Analytics for BusinessIAB303Data Analytics for BusinessIAB304InsightIAB320Information Systems	Semester	2 (July) commencements
IAB201Information SystemsIT Core Unit OptionYear 3, Semester 1IAB204Business Requirements AnalysisIAB207Rapid Web Application DevelopmentYear 3, Semester 2IAB305Information Systems Lifecycle ManagementIAB305Information Systems Lifecycle ManagementIT Core Unit OptionYear 4, Semester 1IAB203Business Process Modelling IFB295IFB295IT Project ManagementYear 4, Semester 2IAB401Enterprise ArchitectureIFB398Capstone Project (Phase 1)Year 5, Semester 1IFB399Capstone Project (Phase 2)Select ONE of:IAB206Modern Data ManagementIAB207Data Analytics for Business InsightIAB303Data Analytics for Business InsightIAB320Information Systems	Year 2, S	emester 2
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IAB207DevelopmentYear 3, Semester 2IAB305Information Systems Lifecycle ManagementIT Core Unit OptionYear 4, Semester 1IAB203Business Process ModellingIFB295IT Project ManagementYear 4, Semester 2IAB401Enterprise ArchitectureIFB398Capstone Project (Phase 1)Year 5, Semester 1IFB399Capstone Project (Phase 2)Select ONE of:IAB206Modern Data ManagementIAB207Data Analytics for BusinessIAB303Data Analytics for BusinessIAB320Information Systems	IAB204	-
IAB305Information Systems Lifecycle ManagementIT CoreIt OptionYear 4, Semester 1IAB203Business Process ModellingIFB295IT Project ManagementYear 4, Semester 2IAB401Enterprise ArchitectureIFB398Capstone Project (Phase 1)Year 5, Semester 1IFB399Capstone Project (Phase 2)Select OVE of:IAB206Modern Data ManagementIAB208Data Analytics for Business InsightIAB303Business Process ImprovementIAB320Information Systems	IAB207	
IAB303ManagementIT Core Unit OptionYear 4, Semester 1IAB203Business Process ModellingIFB295IT Project ManagementYear 4, Semester 2IAB401Enterprise ArchitectureIFB398Capstone Project (Phase 1)Year 5, Semester 1IFB399Capstone Project (Phase 2)Select ONE of:IAB206Modern Data ManagementIAB207Data Analytics for BusinessIAB303Data Analytics for BusinessIAB320Business ProcessInformation Systems	Year 3, S	emester 2
Year 4, Semester 1IAB203Business Process ModellingIFB295IT Project ManagementYear 4, Semester 2IAB401Enterprise ArchitectureIFB398Capstone Project (Phase 1)Year 5, Semester 1IFB399Capstone Project (Phase 2)Select ONE of:IAB206Modern Data ManagementIAB206Social TechnologiesIAB303Data Analytics for Business InsightIAB320Business Process ImprovementIAB402Information Systems	IAB305	
IAB203Business Process ModellingIFB295IT Project ManagementYear 4, Semester 2IAB401Enterprise ArchitectureIFB398Capstone Project (Phase 1)Year 5, Semester 1IFB399Capstone Project (Phase 2)Select ONE of:IAB206Modern Data ManagementIAB206Social TechnologiesIAB303Data Analytics for Business InsightIAB320Business Process ImprovementIAB402Information Systems	IT Core U	Init Option
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Year 4, Semester 2IAB401Enterprise ArchitectureIFB398Capstone Project (Phase 1)Year 5, Semester 1IFB399Capstone Project (Phase 2)Select ONE of:IAB206Modern Data ManagementIAB260Social TechnologiesIAB303Data Analytics for Business InsightIAB320Business Process ImprovementIAB402Information Systems	IAB203	Business Process Modelling
IAB401Enterprise ArchitectureIFB398Capstone Project (Phase 1)Year 5, Semester 1IFB399Capstone Project (Phase 2)Select ONE of:IAB206Modern Data ManagementIAB260Social TechnologiesIAB303Data Analytics for Business InsightIAB320Business Process ImprovementIAB402Information Systems	IFB295	IT Project Management
IFB398Capstone Project (Phase 1)Year 5, Semester 1IFB399Capstone Project (Phase 2)Select ONE of:IAB206Modern Data ManagementIAB260Social TechnologiesIAB303Data Analytics for Business InsightIAB320Business Process ImprovementIAB402Information Systems	Year 4, S	emester 2
Year 5, Semester 1IFB399Capstone Project (Phase 2)Select ONE of:IAB206Modern Data ManagementIAB260Social TechnologiesIAB303Data Analytics for Business InsightIAB320Business Process ImprovementIAB402Information Systems	IAB401	Enterprise Architecture
IFB399Capstone Project (Phase 2)Select ONE of:IAB206Modern Data ManagementIAB260Social TechnologiesIAB303Data Analytics for Business InsightIAB320Business Process ImprovementIAB402Information Systems	IFB398	Capstone Project (Phase 1)
Select ONE of:IAB206Modern Data ManagementIAB260Social TechnologiesIAB303Data Analytics for Business InsightIAB320Business Process ImprovementIAB402Information Systems	Year 5, S	emester 1
IAB206Modern Data ManagementIAB260Social TechnologiesIAB303Data Analytics for Business InsightIAB320Business Process ImprovementIAB402Information Systems	IFB399	Capstone Project (Phase 2)
IAB260Social TechnologiesIAB303Data Analytics for Business InsightIAB320Business Process ImprovementIAB402Information Systems	Select ON	NE of:
IAB303Data Analytics for Business InsightIAB320Business Process ImprovementIAB402Information Systems	IAB206	Modern Data Management
IAB303 Insight IAB320 Business Process Improvement IAB402 Information Systems	IAB260	
IAB320 Improvement IAB402 Information Systems	IAB303	
	IAB320	
	IAB402	

Semesters

- Semester 1 (February)
- commencements
- Year 2 Semester 1 Year 2 - Semester 2
- Year 3 Semester 1 ٠
- Year 3 Semester 2
- Year 4, Semester 1
- ٠
- Year 4 Semester 2 Year 5 Semester 1 ٠
- Year 5 Semester 2 •

Code	Title
Semester	1 (February) commencements
Year 2 - 8	Semester 1
EGB160	Process Principles
EGB161	Foundations of Engineering Chemistry
Year 2 - 8	Semester 2
EGB121	Engineering Mechanics
MZB127	Engineering Mathematics and Statistics
Year 3 - S	Semester 1
EGB261	Unit Operations
EGB323	Fluid Mechanics
Year 3 - S	Semester 2
EGB263	Process Systems
EGB264	Engineering Chemistry
Year 4, S	emester 1
EGH404	Research in Engineering Practice
EGB362	Operations Management and Process Economics
Year 4 - S	Semester 2
EGB322	Thermodynamics
EGB364	Process Modelling
Year 5 - 5	Semester 1
EGB361	Minerals Processing
EGH408	Research Project
EGH463	Process Design
Year 5 - Semester 2	
EGH422	Heat Transfer
EGH423	Fluid Dynamics
EGH411	Sustainable Chemical Engineering in Practice
EGH462	Process Control

Semesters

- Semester 1 (February) <u>commencements</u>
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
 Year 4, Semester 1
- Year 4 Semester 2
- Year 5 Semester 1
- Year 5 Semester 2

Code	Title	
Semester	Semester 1 (February) commencements	
Year 2 - S	Semester 1	
EGB121	Engineering Mechanics	
MZB127	Engineering Mathematics and Statistics	
Year 2 - Semester 2		
EGB123	Civil Engineering Systems	
EGB124	Engineering for the Environment	
Year 3 - Semester 1		

EGB270	Civil Engineering Materials	
EGB272	Traffic and Transport	
LOBEITE	Engineering	
Year 3 - S	Semester 2	
EGB273	Principles of Construction	
EGB373	Geotechnical Engineering	
Year 4, S	emester 1	
EGB275	Structural Mechanics	
EGB371	Engineering Hydraulics	
Year 4 - S	Semester 2	
EGB376	Steel Design	
EGH471	Advanced Water Engineering	
Year 5 - S	Semester 1	
EGB375	Design of Concrete Structures	
EGH400 -1	Research Project 1	
-1		
EGH404	Research in Engineering Practice	
EGH473	Advanced Geotechnical	
	Engineering	
	Semester 2	
EGH400 -2	Research Project 2	
EGH472	Advanced Highway and	
	Pavement Engineering	
EGH479	Advances in Civil Engineering Practice	
One Advanced Civil Unit from		
EGH475	Advanced Concrete Structures	
OR		
EGH476	Advanced Water and Wastewater Engineering	

Semesters

- Semester 1 (February) **commencements**
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- •
- Year 4 Semester 2 Year 5 Semester 1 •
- Year 5 Semester 2

Code	Title	
Semester 1 (February) commencements		
Year 2 - S	Semester 1	
EGB120	Foundations of Electrical Engineering	
MZB127	Engineering Mathematics and Statistics	
CAB201	Programming Principles	
IT Core Option Unit		
Year 2 - Semester 2		
CAB240	Information Security	
MZB221	Electrical Engineering Mathematics	



CAB202	Microprocessors and Digital Systems	
IT Core C	Option Unit	
Year 3 - S	Semester 1	
EGB240	Electronic Design	
EGB242	Signal Analysis	
CAB203	Discrete Structures	
CAB302	Software Development	
Year 3 - S	Semester 2	
CAB403	Systems Programming	
Intermedi	ate Electrial Option unit	
CAB303	Networks	
IFB295	IT Project Management	
Year 4 - S	Semester 1	
CSS Unit	Option	
CAB301	Algorithms and Complexity	
IFB398	Capstone Project (Phase 1)	
Compute	r Science Unit Option	
Year 4 - S	Semester 2	
EGH404	Research in Engineering Practice	
CAB401	High Performance and Parallel Computing	
IFB399	Capstone Project (Phase 2)	
	ate Software and Intermediate Unit Option	
Year 5 - S	Semester 1	
EGH400 -1	Research Project 1	
EGH456	Embedded Systems	
CSS Unit	Option	
Advanced Electrical Unit Option		
Year 5 - S	Semester 2	
CAB432	Cloud Computing	
EGH400 -2	Research Project 2	
EGH455	Advanced Systems Design	
Advanced CSS and Advanced Electrical Unit Option		

Semesters

- Semester 1 (February) commencements
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2 Year 3 Semester 1 •
- ٠
- Year 3 Semester 2 • .
- Year 4 Semester 1 •
- Year 4 Semester 2 Year 5 Semester 1 Year 5 Semester 2 .

Code Title

0000	110
Semester 1 (February) commencements	
Year 1 - Semester 1	
EGB101	Engineering Design and Professional Practice

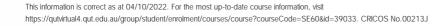
	MZB125 Introductory Engineering Mathematics OR MXB161		
Computational Explorations. If you have			
obtained Sound Achievement (or higher) in Mathematical Methods and Specialist			
	tics, you must choose MXB161		
	tional Explorations.		
-	Introductory Engineering		
MZB125	Mathematics		
OR			
MXB161	Computational Evalurations		
-	Computational Explorations		
Year 1 - S	Semester 2		
EGB102	Fundamentals of Engineering Science		
EGB103	Computing and Data for		
	Engineers		
Year 2 - S	Semester 1		
CAB201	Programming Principles		
E00400	Foundations of Electrical		
EGB120	Engineering		
Year 2 - S	Semester 2		
	Microprocessors and Digital		
CAB202	Systems		
MZB127	Engineering Mathematics and Statistics		
Year 3 - S	Semester 1		
EGB242	Signal Analysis		
	Electrical Engineering		
MZB221	Mathematics		
	Mathematics		
Year 3 - S	Mathematics Semester 2		
Year 3 - S Intermedi	Mathematics Semester 2 ate Electrical Option unit		
Year 3 - S Intermedi Year 4 - S	Mathematics Semester 2 ate Electrical Option unit Semester 1		
Year 3 - S Intermedi Year 4 - S CAB301	Mathematics Semester 2 ate Electrical Option unit Semester 1 Algorithms and Complexity		
Year 3 - S Intermedi Year 4 - S	Mathematics Semester 2 ate Electrical Option unit Semester 1		
Year 3 - S Intermedi Year 4 - S CAB301 EGB240	Mathematics Semester 2 ate Electrical Option unit Semester 1 Algorithms and Complexity		
Year 3 - S Intermedi Year 4 - S CAB301 EGB240 Year 4 - S	Mathematics Semester 2 ate Electrical Option unit Semester 1 Algorithms and Complexity Electronic Design		
Year 3 - S Intermedi Year 4 - S CAB301 EGB240 Year 4 - S	Mathematics Semester 2 ate Electrical Option unit Semester 1 Algorithms and Complexity Electronic Design Semester 2		
Year 3 - S Intermedi Year 4 - S CAB301 EGB240 Year 4 - S CAB240 EGH404	Mathematics Semester 2 ate Electrical Option unit Semester 1 Algorithms and Complexity Electronic Design Semester 2 Information Security Research in Engineering Practice		
Year 3 - S Intermedi Year 4 - S CAB301 EGB240 Year 4 - S CAB240 EGH404 Year 5 - S	Mathematics Semester 2 ate Electrical Option unit Semester 1 Algorithms and Complexity Electronic Design Semester 2 Information Security Research in Engineering Practice Semester 1		
Year 3 - S Intermedi Year 4 - S CAB301 EGB240 Year 4 - S CAB240 EGH404 Year 5 - S CAB302	Mathematics Semester 2 ate Electrical Option unit Semester 1 Algorithms and Complexity Electronic Design Semester 2 Information Security Research in Engineering Practice		
Year 3 - S Intermedi Year 4 - S CAB301 EGB240 Year 4 - S CAB240 EGH404 Year 5 - S	Mathematics Semester 2 ate Electrical Option unit Semester 1 Algorithms and Complexity Electronic Design Semester 2 Information Security Research in Engineering Practice Semester 1 Software Development Research Project 1		
Year 3 - S Intermedi Year 4 - S CAB301 EGB240 Year 4 - S CAB240 EGH404 Year 5 - S CAB302 EGH400	Mathematics Semester 2 ate Electrical Option unit Semester 1 Algorithms and Complexity Electronic Design Semester 2 Information Security Research in Engineering Practice Semester 1 Software Development		
Year 3 - S Intermedi Year 4 - S CAB301 EGB240 Year 4 - S CAB240 EGH404 Year 5 - S CAB302 EGH400 -1 EGH456 Advanced	Mathematics Semester 2 ate Electrical Option unit Semester 1 Algorithms and Complexity Electronic Design Semester 2 Information Security Research in Engineering Practice Semester 1 Software Development Research Project 1 Embedded Systems Computer & Software		
Year 3 - S Intermedi Year 4 - S CAB301 EGB240 Year 4 - S CAB240 EGH404 Year 5 - S CAB302 EGH400 -1 EGH456 Advanced	Mathematics Semester 2 ate Electrical Option unit Semester 1 Algorithms and Complexity Electronic Design Semester 2 Information Security Research in Engineering Practice Semester 1 Software Development Research Project 1 Embedded Systems		
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Year 3 - S Intermedi Year 4 - S CAB301 EGB240 Year 4 - S CAB240 EGH404 Year 5 - S CAB302 EGH400 -1 EGH456 Advanced Systems	Mathematics Semester 2 ate Electrical Option unit Semester 1 Algorithms and Complexity Electronic Design Semester 2 Information Security Research in Engineering Practice Semester 1 Software Development Research Project 1 Embedded Systems Computer & Software Option Unit		
Year 3 - S Intermedi Year 4 - S CAB301 EGB240 Year 4 - S CAB240 EGH404 Year 5 - S CAB302 EGH400 -1 EGH456 Advanced Systems 0 Year 5 - S EGH400 -2	Mathematics Semester 2 ate Electrical Option unit Semester 1 Algorithms and Complexity Electronic Design Semester 2 Information Security Research in Engineering Practice Semester 1 Software Development Research Project 1 Embedded Systems Computer & Software Option Unit Semester 2 Research Project 2		
Year 3 - S Intermedi Year 4 - S CAB301 EGB240 Year 4 - S CAB240 EGH404 Year 5 - S CAB302 EGH400 -1 EGH456 Advanced Systems Year 5 - S EGH400 -2 CAB432	Mathematics Semester 2 ate Electrical Option unit Semester 1 Algorithms and Complexity Electronic Design Semester 2 Information Security Research in Engineering Practice Semester 1 Software Development Research Project 1 Embedded Systems Computer & Software Option Unit Semester 2 Research Project 2 Research Project 2 Cloud Computing		
Year 3 - S Intermedi Year 4 - S CAB301 EGB240 Year 4 - S CAB240 EGH404 Year 5 - S EGH400 -1 EGH456 Advanced Systems Year 5 - S EGH400 -2 CAB432 EGH455	Mathematics Semester 2 ate Electrical Option unit Semester 1 Algorithms and Complexity Electronic Design Semester 2 Information Security Research in Engineering Practice Semester 1 Software Development Research Project 1 Embedded Systems Computer & Software Option Unit Semester 2 Research Project 2 Research Project 2 Cloud Computing Advanced Systems Design		
Year 3 - S Intermedi Year 4 - S CAB301 EGB240 Year 4 - S CAB240 EGH404 Year 5 - S CAB302 EGH400 -1 EGH456 Advanced Systems EGH400 -2 CAB432 EGH405 Advanced	Mathematics Semester 2 ate Electrical Option unit Semester 1 Algorithms and Complexity Electronic Design Semester 2 Information Security Research in Engineering Practice Semester 1 Software Development Research Project 1 Embedded Systems Computer & Software Option Unit Semester 2 Research Project 2 Research Project 2 Cloud Computing		

Semesters

- Semester 1 (February) commencements
- Year 1 Semester 1
- Year 1 Semester 2

- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
 Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1
- Year 5 Semester 2

S Year 1 - Semester 1 EGB113 Energy in Engineering Systems MZB125 Introductory Engineering Mathematics OR MXB161 Computational Explorations Year 1 - Semester 2 EGB100 Engineering Sustainability and Professional Practice MZB126 Engineering Computation Al Year 2 - Semester 1 EGB111 Foundation of Engineering		Tear 5 - Semester 2
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EGH404 Practice EGH400 Research Project 1 Advanced Electrical or Software Option Unit EGH456 Embedded Systems Year 5 - Semester 2	1	
-1 Advanced Electrical or Software Option Unit EGH456 Embedded Systems Year 5 - Semester 2		Practice
Unit EGH456 Embedded Systems Year 5 - Semester 2		-1 Research Project 1
Year 5 - Semester 2		Unit
for the real world	for	the university



EGH400 -2	Research Project 2
EGH455	Advanced Systems Design
Advanced Electrical Option Unit	

Advanced Software Option Unit

Semesters

- <u>Semester 1 (February)</u>
- commencements
- Year 2 Semester 1 .
- Year 2 Semester 2
- Year 3 Semester 1
 Year 3 Semester 2
- Year 4 Semester 1 •
- Year 4 Semester 2 ٠
- •
- Year 5 Semester 1 Year 5 Semester 2 ٠

Code	Title	
Semester	1 (February) commencements	
Year 2 - Semester 1		
EGB121	Engineering Mechanics	
MZB127	Engineering Mathematics and Statistics	
Year 2 - S	Semester 2	
CAB202	Microprocessors and Digital Systems	
EGB120	Foundations of Electrical Engineering	
Year 3 - S	Semester 1	
EGB240	Electronic Design	
MZB221	Electrical Engineering Mathematics	
Year 3 - S	Semester 2	
EGB242	Signal Analysis	
Intermedi	ate Electrical Option Unit (1)	
	can be selected from the list. A	
	waiver for this unit will be	
the same	you are enrolled in EGB242 at	
	Semester 1	
EGB340	Design and Practice	
EGB241	Electromagnetics and Machines	
Year 4 - S	Semester 2	
EGB341	Energy Supply and Delivery	
Intermedi	ate Electrical Option Unit (2)	
	Semester 1	
EGH400 -1	Research Project 1	
EGH404	Research in Engineering Practice	
Advanced	d Electrical Option Unit (1)	
Advanced Electrical Option Unit (2)		
Year 5 - S	Semester 2	
EGH400 -2	Research Project 2	
Advanced	d Electrical Option Unit (3)	
Advanced Electrical Option Unit (4)		

Semesters

- Semester 1 (February) commencements
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1 .
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
 Year 5 Semester 1
- Year 5 Semester 2

Codo Title

Code	Title	
Semester	1 (February) commencements	
Year 2 - 5	Semester 1	
EGB120	Foundations of Electrical Engineering	
MZB127	Engineering Mathematics and Statistics	
Year 2 - 5	Semester 2	
EGB121	Engineering Mechanics	
CAB202	Microprocessors and Digital Systems	
Year 3 - S	Semester 1	
MZB221	Electrical Engineering Mathematics	
EGB240	Electronic Design	
Year 3 - 5	Semester 2	
EGB242	Signal Analysis	
Intermedi Option Ur	ate Electrical and Aerospace	
Year 4 - S	Semester 1	
EGB243	Aircraft Systems and Flight	
EGB349	Systems Engineering and Design Project	
Year 4 - 5	Semester 2	
EGB345	Control and Dynamic Systems	
EGB346	Unmanned Aircraft Systems	
Year 5 - S	Semester 1	
EGH400 -1	Research Project 1	
EGH404	Research in Engineering Practice	
EGH445	Modern Control	
Advanced Electrical and Aerospace Option Unit		
Year 5 - Semester 2		
EGH400 -2	Research Project 2	
EGH450	Advanced Unmanned Aircraft Systems	
EGH446	Autonomous Systems	
Advanced Option Ur	l Electrical and Aerospace hit	
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Semesters

 Semester 1 (February) commencements

 Year 2 - Semester 2 Year 3 - Semester 1 		
Year 3 - Semester 1		
 Year 4 - Semester 1 Year 4 - Semester 2 		
	<u>r 5 - Semester 1</u> r 5 - Semester 2	
Code	Title 1 (February) commencements	
	Semester 1	
EGB121	Engineering Mechanics	
	Engineering Mathematics and	
MZB127	Statistics	
Year 2 - S	Semester 2	
EGB120	Foundations of Electrical	
	Engineering	
EGB125	Design for Manufacture	
Year 3 - S	Semester 1	
EGB214		
	Solid Mechanics	
Year 3 - S	Semester 2	
EGB210	Fundamentals of Mechanical Design	
EGB211	Dynamics	
Year 4 - S	Semester 1	
EGB321	Dynamics of Machines	
EGB323	Fluid Mechanics	
Year 4 - S	Semester 2	
EGB322	Thermodynamics	
EGH404	Research in Engineering Practice	
Year 5 - S	Semester 1	
EGB316	Design of Machine Elements	
EGH400 -1	Research Project 1	
EGH414	Stress Analysis	
EGH421	Vibration and Control	
Year 5 - 5	Semester 2	
EGH400 -2	Research Project 2	
EGH420	Mechanical Systems Design	
EGH422	Heat Transfer	
EGH423	Fluid Dynamics	

 Year 2 - Semester 1 Year 2 - Semester 2

Semesters

- Semester 1 (February) commencements
 - Year 1 Semester 1
 - Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2 Year 3 - Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1
 Year 5 Semester 2

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• Year 5 - Semester 2

Code	Title
Semester	1 (February) commencements
Year 1 - S	Semester 1
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - S	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - S	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - S	Semester 2
EGB120	Foundations of Electrical Engineering
Foundatio	on Unit Option
Year 3 - S	Semester 1
EGB214	Materials and Manufacturing
EGB314	Solid Mechanics
Year 3 - S	Semester 2
EGB210	Fundamentals of Mechanical Design
EGB211	Dynamics
Year 4 - S	Semester 1
EGB321	Dynamics of Machines
EGB323	Fluid Mechanics
Year 4 - S	Semester 2
EGB322	Thermodynamics
EGH404	Research in Engineering Practice
Year 5 - S	Semester 1
EGB316	Design of Machine Elements
EGH400 -1	Research Project 1
EGH414	Stress Analysis
EGH421	Vibration and Control
Year 5 - S	Semester 2
EGH400 -2	Research Project 2
EGH420	Mechanical Systems Design
EGH422	Heat Transfer
EGH423	Fluid Dynamics

Semesters

- Semester 1 (February) <u>commencements</u> Year 2 - Semester 1
- Year 2 Semester 2
 Year 3 Semester 1
- Year 3 Semester 2 ٠
- Year 4 Semester 1
- Year 4 Semester 2 Year 5 Semester 1 •
- ٠

Code	Title
Semester	1 (February) commencements
Year 2 - S	Semester 1
EGB121	Engineering Mechanics
MZB127	Engineering Mathematics and Statistics
Year 2 - S	Semester 2
EGB120	Foundations of Electrical Engineering
MZB221	Electrical Engineering Mathematics
Year 3 - S	Semester 1
EGB242	Signal Analysis
Materials CAB202	Strand unit (EGB214) OR
EGB214	Materials and Manufacturing
OR	
CAB202	Microprocessors and Digital Systems
Year 3 - S	Semester 2
EGB345	Control and Dynamic Systems
Dynamics CAB202	s Strand unit (EGB211) or
EGB211	Dynamics
OR	
CAB202	Microprocessors and Digital Systems
Year 4 - S	Semester 1
	Mechatronics Design 1
EGB220 Dynamics	
EGB220 Dynamics	Mechatronics Design 1 s Strand unit (EGB321) OR
EGB220 Dynamics Materials	Mechatronics Design 1 s Strand unit (EGB321) OR Strand unit (EGB314)
EGB220 Dynamics Materials EGB321 OR	Mechatronics Design 1 s Strand unit (EGB321) OR Strand unit (EGB314)
EGB220 Dynamics Materials EGB321 OR EGB314	Mechatronics Design 1 s Strand unit (EGB321) OR Strand unit (EGB314) Dynamics of Machines
EGB220 Dynamics Materials EGB321 OR EGB314 Year 4 - S	Mechatronics Design 1 s Strand unit (EGB321) OR Strand unit (EGB314) Dynamics of Machines Solid Mechanics
EGB220 Dynamics Materials EGB321 OR EGB314 Year 4 - S EGB320	Mechatronics Design 1 s Strand unit (EGB321) OR Strand unit (EGB314) Dynamics of Machines Solid Mechanics Semester 2
EGB220 Dynamics Materials EGB321 OR EGB314 Year 4 - S EGB320 Intermedi	Mechatronics Design 1 s Strand unit (EGB321) OR Strand unit (EGB314) Dynamics of Machines Solid Mechanics Semester 2 Mechatronics Design 2
EGB220 Dynamics Materials EGB321 OR EGB314 Year 4 - S EGB320 Intermedi	Mechatronics Design 1 s Strand unit (EGB321) OR Strand unit (EGB314) Dynamics of Machines Solid Mechanics Semester 2 Mechatronics Design 2 ate Electrical Unit Option
EGB220 Dynamics Materials EGB321 OR EGB314 Year 4 - 5 EGB320 Intermedi Year 5 - 5 EGH404	Mechatronics Design 1 s Strand unit (EGB321) OR Strand unit (EGB314) Dynamics of Machines Solid Mechanics Semester 2 Mechatronics Design 2 ate Electrical Unit Option Semester 1 Research in Engineering
EGB220 Dynamics Materials EGB321 OR EGB314 Year 4 - S EGB320 Intermedi Year 5 - S EGH404 EGH419	Mechatronics Design 1 s Strand unit (EGB321) OR Strand unit (EGB314) Dynamics of Machines Solid Mechanics Semester 2 Mechatronics Design 2 ate Electrical Unit Option Semester 1 Research in Engineering Practice
EGB220 Dynamics Materials EGB321 OR EGB314 Year 4 - S EGB320 Intermedi Year 5 - S EGH404 EGH419 EGH445 Materials	Mechatronics Design 1 s Strand unit (EGB321) OR Strand unit (EGB314) Dynamics of Machines Solid Mechanics Semester 2 Mechatronics Design 2 ate Electrical Unit Option Semester 1 Research in Engineering Practice Mechatronics Design 3 Modern Control Strand unit (EGH414) OR
EGB220 Dynamics Materials EGB321 OR EGB314 Year 4 - S EGB320 Intermedi Year 5 - S EGH404 EGH419 EGH445 Materials Advanced	Mechatronics Design 1 S Strand unit (EGB321) OR Strand unit (EGB314) Dynamics of Machines Solid Mechanics Semester 2 Mechatronics Design 2 ate Electrical Unit Option Semester 1 Research in Engineering Practice Mechatronics Design 3 Modern Control Strand unit (EGH414) OR d Electrical Unit Option
EGB220 Dynamics Materials EGB321 OR EGB314 Year 4 - S EGB320 Intermedi Year 5 - S EGH404 EGH419 EGH419 EGH445 Materials Advanced EGH414	Mechatronics Design 1 s Strand unit (EGB321) OR Strand unit (EGB314) Dynamics of Machines Solid Mechanics Semester 2 Mechatronics Design 2 ate Electrical Unit Option Semester 1 Research in Engineering Practice Mechatronics Design 3 Modern Control Strand unit (EGH414) OR
EGB220 Dynamics Materials EGB321 OR EGB314 Year 4 - S EGB320 Intermedi Year 5 - S EGH404 EGH419 EGH445 Materials Advanced EGH414 OR	Mechatronics Design 1 s Strand unit (EGB321) OR Strand unit (EGB314) Dynamics of Machines Solid Mechanics Semester 2 Mechatronics Design 2 ate Electrical Unit Option Semester 1 Research in Engineering Practice Mechatronics Design 3 Modern Control Strand unit (EGH414) OR d Electrical Unit Option Stress Analysis
EGB220 Dynamics Materials EGB321 OR EGB314 Year 4 - S EGB320 Intermedi Year 5 - S EGH404 EGH419 EGH445 Materials Advanced EGH414 OR Advanced	Mechatronics Design 1 S Strand unit (EGB321) OR Strand unit (EGB314) Dynamics of Machines Solid Mechanics Semester 2 Mechatronics Design 2 ate Electrical Unit Option Semester 1 Research in Engineering Practice Mechatronics Design 3 Modern Control Strand unit (EGH414) OR d Electrical Unit Option Stress Analysis d Electrical Option Unit
EGB220 Dynamics Materials EGB321 OR EGB314 Year 4 - S EGB320 Intermedi Year 5 - S EGH404 EGH419 EGH419 EGH445 Materials Advanced EGH414 OR Advanced Year 5 - S	Mechatronics Design 1 s Strand unit (EGB321) OR Strand unit (EGB314) Dynamics of Machines Solid Mechanics Semester 2 Mechatronics Design 2 ate Electrical Unit Option Semester 1 Research in Engineering Practice Mechatronics Design 3 Modern Control Strand unit (EGH414) OR d Electrical Unit Option Stress Analysis d Electrical Option Unit Semester 2
EGB220 Dynamics Materials EGB321 OR EGB314 Year 4 - S EGB320 Intermedi Year 5 - S EGH404 EGH419 EGH419 EGH414 OR Advancee Year 5 - S EGH408	Mechatronics Design 1 s Strand unit (EGB321) OR Strand unit (EGB314) Dynamics of Machines Solid Mechanics Semester 2 Mechatronics Design 2 ate Electrical Unit Option Semester 1 Research in Engineering Practice Mechatronics Design 3 Modern Control Strand unit (EGH414) OR d Electrical Unit Option Stress Analysis d Electrical Option Unit Semester 2 Research Project
EGB220 Dynamics Materials EGB321 OR EGB314 Year 4 - S EGB320 Intermedi Year 5 - S EGH404 EGH419 EGH419 EGH445 Materials Advanced EGH414 OR Advanced Year 5 - S	Mechatronics Design 1 s Strand unit (EGB321) OR Strand unit (EGB314) Dynamics of Machines Solid Mechanics Semester 2 Mechatronics Design 2 ate Electrical Unit Option Semester 1 Research in Engineering Practice Mechatronics Design 3 Modern Control Strand unit (EGH414) OR d Electrical Unit Option Stress Analysis d Electrical Option Unit Semester 2 Research Project
EGB220 Dynamics Materials EGB321 OR EGB314 Year 4 - S EGB320 Intermedi Year 5 - S EGH404 EGH419 EGH445 Materials Advanced EGH414 OR Advanced Year 5 - S EGH408 EGH408 EGH408	Mechatronics Design 1 s Strand unit (EGB321) OR Strand unit (EGB314) Dynamics of Machines Solid Mechanics Semester 2 Mechatronics Design 2 ate Electrical Unit Option Semester 1 Research in Engineering Practice Mechatronics Design 3 Modern Control Strand unit (EGH414) OR d Electrical Unit Option Stress Analysis d Electrical Option Unit Semester 2 Research Project
EGB220 Dynamics Materials EGB321 OR EGB314 Year 4 - S EGB320 Intermedi Year 5 - S EGH404 EGH419 EGH445 Materials Advanced EGH414 OR Advanced Year 5 - S EGH408 EGH446 Dynamics Advanced	Mechatronics Design 1 S Strand unit (EGB321) OR Strand unit (EGB314) Dynamics of Machines Solid Mechanics Semester 2 Mechatronics Design 2 ate Electrical Unit Option Semester 1 Research in Engineering Practice Mechatronics Design 3 Modern Control Strand unit (EGH414) OR d Electrical Unit Option Stress Analysis d Electrical Option Unit Semester 2 Research Project Autonomous Systems S Strand unit (EGH413) OR

Advanced Electrical Option Unit

lem	esters	

and	Semesters • Semester 1 (February) commencements • Year 1 - Semester 1 • Year 1 - Semester 2 • Year 2 - Semester 1 • Year 3 - Semester 1 • Year 3 - Semester 2 • Year 4 - Semester 1 • Year 5 - Semester 2
	Code Title
	Semester 1 (February) commencements
	Year 1 - Semester 1
ng	EGB113 Energy in Engineering Systems
al	MZB125 Introductory Engineering Mathematics
	OR
	MXB161 Computational Explorations
ems	Year 1 - Semester 2
	EGB100 Engineering Sustainability and Professional Practice
	MZB126 Engineering Computation
	Year 2 - Semester 1
al	EGB111 Foundation of Engineering Design
	EGB121 Engineering Mechanics
	Year 2 - Semester 2
	Foundations of Electrical
	EGB120 Engineering
	Foundation Unit Option
	Year 3 - Semester 1
	CAB202 Microprocessors and Digital Systems
	EGB242 Signal Analysis
	Year 3 - Semester 2
	EGB211 Dynamics
	EGB345 Control and Dynamic Systems
	Year 4 - Semester 1
	EGB220 Mechatronics Design 1
	Intermediate Mechanical Option Unit
	Year 4 - Semester 2
	EGB320 Mechatronics Design 2
	Intermediate Electrical Option Unit
	Year 5 - Semester 1
	EGH400 -1 Research Project 1
	EGH404 Research in Engineering Practice
	EGH419 Mechatronics Design 3
	EGH445 Modern Control
	Year 5 - Semester 2
	EGH400 Research Project 2
for	the university the real world

	-2		
	Advanced Mechanical Option Unit		
	EGH446	Autonomous Systems	
Advanced Electrical Option Unit			

Semesters

- Semester 1 (February)
- commencements
- Year 2 Semester 1
- Year 2 Semester 2 •
- Year 3 Semester 1 Year 3 Semester 2 ٠
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1
 Year 5 Semester 2

Code	Title
Semester	1 (February) commencements
Year 2 - 5	Semester 1
EGB121	Engineering Mechanics
MZB127	Engineering Mathematics and Statistics
Year 2 - S	Semester 2
EGB120	Foundations of Electrical Engineering
EGB125	Design for Manufacture
Year 3 - S	Semester 1
EGB214	Materials and Manufacturing
EGB314	Solid Mechanics
Year 3 - S	Semester 2
EGB210	Fundamentals of Mechanical Design
EGB211	Dynamics
Year 4 - S	Semester 1
EGB323	Fluid Mechanics
LQB187	Human Anatomy
Year 4 - S	Semester 2
EGH404	Research in Engineering Practice
LSB231	Physiology
Year 5 - 5	Semester 1
EGB319	Medical Device Design
EGH400 -1	Research Project 1
EGH414	Stress Analysis
EGH438	Biomaterials
	Semester 2
EGH400 -2	Research Project 2
EGH418	Biomechanics
EGH424	Biofluids
EGH435	Modelling and Simulation for Medical Engineers

Semesters

- Semester 1 (February) commencements
- Year 1 Semester 1

- Year 1 Semester 2 • Year 2 - Semester 1
- Year 2 Semester 2
- Year 3 Semester 1 Year 3 Semester 2 ٠
- ٠
- Year 4 Semester 1 Year 4 - Semester 2
- Year 5 Semester 1
 Year 5 Semester 2

Code	Title
Semester	1 (February) commencements
Year 1 - S	Semester 1
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - S	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - S	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - S	Semester 2
EGB120	Foundations of Electrical Engineering
Foundatio	on Unit Option
Year 3 - 8	Semester 1
EGB314	Solid Mechanics
LQB187	Human Anatomy
	replaces LSB131 from 2021
onwards	
	Semester 2
EGB211	Dynamics
LSB231	Physiology
	Semester 1
EGB214	Materials and Manufacturing
EGB323	Fluid Mechanics
Year 4 - S	Semester 2
EGB210	Fundamentals of Mechanical Design
EGH404	Research in Engineering Practice
	Semester 1
EGB319	Medical Device Design
EGH400 -1	Research Project 1
EGH414	Stress Analysis
EGH438	Biomaterials
Year 5 - S	Semester 2
EGH400 -2	Research Project 2
EGH424	Biofluids
EGH435	Modelling and Simulation for

	Medical Engineers	
EGH418	Biomechanics	
Semesters • Year 2 - Semester 2 • Year 3 - Semester 1 • Year 3 - Semester 2 • Year 4 - Semester 1 • Year 4 - Semester 2 • Year 5 - Semester 1 • Year 5 - Semester 2 • Year 6 - Semester 1		
Code	Title	
Year 2 - S	Semester 2	
EGB121	Engineering Mechanics	
MZB127	Engineering Mathematics and Statistics	
Year 3 - S	Semester 1	
EGB160	Process Principles	
EGB161	Foundations of Engineering Chemistry	
Year 3 - S	Semester 2	
EGB263	Process Systems	
EGB264	Engineering Chemistry	
	Semester 1	
Year 4 - S	Semester 1	
Year 4 - S EGB261 EGB323	Semester 1 Unit Operations	
Year 4 - S EGB261 EGB323	Semester 1 Unit Operations Fluid Mechanics Semester 2	
Year 4 - S EGB261 EGB323 Year 4 - S	Semester 1 Unit Operations Fluid Mechanics Semester 2 Process Modelling	
Year 4 - S EGB261 EGB323 Year 4 - S EGB364 EGB322	Semester 1 Unit Operations Fluid Mechanics Semester 2 Process Modelling	
Year 4 - S EGB261 EGB323 Year 4 - S EGB364 EGB322	Semester 1 Unit Operations Fluid Mechanics Semester 2 Process Modelling Thermodynamics Semester 1 Minerals Processing	
Year 4 - 5 EGB261 EGB323 Year 4 - 5 EGB364 EGB322 Year 5 - 5	Semester 1 Unit Operations Fluid Mechanics Semester 2 Process Modelling Thermodynamics Semester 1	
Year 4 - 3 EGB261 EGB323 Year 4 - 3 EGB364 EGB322 Year 5 - 3 EGB361 EGH404	Semester 1 Unit Operations Fluid Mechanics Semester 2 Process Modelling Thermodynamics Semester 1 Minerals Processing Research in Engineering Practice Semester 2	
Year 4 - 3 EGB261 EGB323 Year 4 - 3 EGB364 EGB322 Year 5 - 3 EGB361 EGH404	Semester 1 Unit Operations Fluid Mechanics Semester 2 Process Modelling Thermodynamics Semester 1 Minerals Processing Research in Engineering Practice	
Year 4 - 5 EGB261 EGB323 Year 4 - 5 EGB364 EGB322 Year 5 - 5 EGB361 EGH404 Year 5 - 5	Semester 1 Unit Operations Fluid Mechanics Semester 2 Process Modelling Thermodynamics Semester 1 Minerals Processing Research in Engineering Practice Semester 2 Sustainable Chemical	
Year 4 - 5 EGB261 EGB323 Year 4 - 5 EGB364 EGB322 Year 5 - 5 EGB361 EGH404 Year 5 - 5 EGH411	Semester 1 Unit Operations Fluid Mechanics Semester 2 Process Modelling Thermodynamics Semester 1 Minerals Processing Research in Engineering Practice Semester 2 Sustainable Chemical Engineering in Practice	
Year 4 - 3 EGB261 EGB323 Year 4 - 3 EGB364 EGB362 Year 5 - 3 EGB361 EGH404 Year 5 - 3 EGH411 EGH422	Semester 1 Unit Operations Fluid Mechanics Semester 2 Process Modelling Thermodynamics Semester 1 Minerals Processing Research in Engineering Practice Semester 2 Sustainable Chemical Engineering in Practice Heat Transfer	
Year 4 - 3 EGB261 EGB323 Year 4 - 3 EGB364 EGB322 Year 5 - 3 EGB361 EGH404 Year 5 - 3 EGH411 EGH422 EGH423 EGH462	Semester 1 Unit Operations Fluid Mechanics Semester 2 Process Modelling Thermodynamics Semester 1 Minerals Processing Research in Engineering Practice Semester 2 Sustainable Chemical Engineering in Practice Heat Transfer Fluid Dynamics	
Year 4 - 3 EGB261 EGB323 Year 4 - 3 EGB364 EGB322 Year 5 - 3 EGB361 EGH404 Year 5 - 3 EGH411 EGH422 EGH423 EGH462	Semester 1 Unit Operations Fluid Mechanics Semester 2 Process Modelling Thermodynamics Semester 1 Minerals Processing Research in Engineering Practice Semester 2 Sustainable Chemical Engineering in Practice Heat Transfer Fluid Dynamics Process Control	
Year 4 - 3 EGB261 EGB323 Year 4 - 3 EGB364 EGB322 Year 5 - 3 EGB361 EGH404 Year 5 - 3 EGH411 EGH422 EGH423 EGH423 EGH462 Year 6 - 3	Semester 1 Unit Operations Fluid Mechanics Semester 2 Process Modelling Thermodynamics Semester 1 Minerals Processing Research in Engineering Practice Semester 2 Sustainable Chemical Engineering in Practice Heat Transfer Fluid Dynamics Process Control Semester 1 Operations Management and	
Year 4 - 3 EGB261 EGB323 Year 4 - 3 EGB364 EGB362 Year 5 - 3 EGH404 Year 5 - 3 EGH411 EGH422 EGH423 EGH423 EGH462 Year 6 - 3	Semester 1 Unit Operations Fluid Mechanics Semester 2 Process Modelling Thermodynamics Semester 1 Minerals Processing Research in Engineering Practice Semester 2 Sustainable Chemical Engineering in Practice Heat Transfer Fluid Dynamics Process Control Semester 1 Operations Management and Process Economics	

Semesters

- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1
- Year 5 Semester 2
- Year 6 Semester 1

Code Title

Year 2 - Semester 2 EGB123 Civil Engineering Systems



EGB124	Engineering for the Environment
Year 3 - S	Semester 1
MZB127	Engineering Mathematics and Statistics
EGB272	Traffic and Transport Engineering
Year 3 - S	Semester 2
EGB121	Engineering Mechanics
EGB273	Principles of Construction
Year 4 - S	Semester 1
EGB270	Civil Engineering Materials
EGB371	Engineering Hydraulics
Year 4 - S	Semester 2
EGB275	Structural Mechanics
EGB373	Geotechnical Engineering
Year 5 - S	Semester 1
EGB375	Design of Concrete Structures
EGH404	Research in Engineering Practice
Year 5 - S	Semester 2
EGH471	Advanced Water Engineering
EGH472	Advanced Highway and Pavement Engineering
EGH479	Advances in Civil Engineering Practice
One Adva	anced Civil Unit from
EGH475	Advanced Concrete Structures
OR	
EGH476	Advanced Water and Wastewater Engineering
Year 6 - S	Semester 1
EGB376	Steel Design
EGH408	Research Project
EGH473	Advanced Geotechnical

PLEASE NOTE:

This structure Is ONLY for the combination of Engineering Computer & Software Systems and IT Computer Science Majors.

Semesters

- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Year 5, Semester 1
 Year 5, Semester 2
- Year 6, Semester 1 •

Code	Title	
Year 2, Semester 2		
MZB127	Engineering Mathematics and Statistics	
EGB120	Foundations of Electrical	

Engineering			
CAB201	Programming Principles		
IT Core Option Unit			
Year 3, S	emester 1		
EGB242	Signal Analysis		
MZB221	Electrical Engineering Mathematics		
CAB202	Microprocessors and Digital Systems		
IT Core C	ption Unit		
Year 3, S	emester 2		
CAB403	Systems Programming		
CAB240	Information Security		
CAB303	Networks		
Intermedi	ate Electrical Option Unit		
Year 4, S	emester 1		
EGB240	Electronic Design		
CAB203	Discrete Structures		
CAB301	Algorithms and Complexity		
IFB295	IT Project Management		
Year 4, S	emester 2		
CAB401	High Performance and Parallel Computing		
Software	Option Unit		
	ate Software Option Unit or		
	ate Electrical Option Unit		
IFB398	Capstone Project (Phase 1)		
Year 5, Semester 1			
EGH404	Research in Engineering Practice		
CAB302	Software Development		
IFB399	Capstone Project (Phase 2)		
Compute	r Science Option Unit		
Year 5, Semester 2			
EGH400 -1	Research Project 1		
EGH455	Advanced Systems Design		
CAB432	Cloud Computing		
Advanced Electrical Option Unit			
Year 6, S	emester 1		
EGH400 -2			
2	Research Project 2		
EGH456	Research Project 2 Embedded Systems		
EGH456 Advanced			
EGH456 Advanced Advanced	Embedded Systems Software Option Unit or		

Semesters

- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1
- Year 5 Semester 2 Year 6 - Semester 1

	Title	
Year 2 - S	Semester 2	
CAB201	Programming Principles	
MZB127	Engineering Mathematics and Statistics	
Year 3 - 5	Semester 1	
EGB120	Foundations of Electrical Engineering	
MZB221	Electrical Engineering Mathematics	
Year 3 - S	Semester 2	
CAB240	Information Security	
EGB242	Signal Analysis	
Year 4 - S	Semester 1	
CAB202	Microprocessors and Digital Systems	
CAB301	Algorithms and Complexity	
Year 4 - S	Semester 2	
CAB403	Systems Programming	
Intermedi	ate Electrical Option Unit	
Year 5 - 5	Semester 1	
EGB240	Electronic Design	
EGH404	Research in Engineering Practice	
Year 5 - S	Semester 2	
CAB432	Cloud Computing	
EGH400 -1	Research Project 1	
EGH455	Advanced Systems Design	
Advanced Computer & Software Systems Option Unit		
Year 6 - S	Semester 1	
CAB302	Software Development	
EGH400 -2	Research Project 2	
EGH456	Embedded Systems	
	l Computer & Software Option Unit	
Somosto		

emesters

- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
 Year 5 Semester 1
- Year 5 Semester 2 •
- Year 6 Semester 1

Code	Title		
Year 2 - Semester 2			
EGB121	Engineering Mechanics		
MZB127	Engineering Mathematics and Statistics		
Year 3 - 5	Semester 1		
EGB120	Foundations of Electrical Engineering		
CAB202	Microprocessors and Digital		
	niversity eal world		

	Systems		
Year 3 - S	Semester 2		
EGB242	Signal Analysis		
MZB221	Electrical Engineering Mathematics		
Year 4 - S	Semester 1		
EGB240	Electronic Design		
EGB241	Electromagnetics and Machines		
Year 4 - S	Semester 2		
EGB341	Energy Supply and Delivery		
Intermediate Electrical Option Unit (1)			
Year 5 - S	Semester 1		
EGB340	Design and Practice		
EGH404	Research in Engineering Practice		
Year 5 - S	Semester 2		
EGH400 -1	Research Project 1		
Intermediate Electrical Option Unit (2)			
Advanced Electrical Option Unit (1)			
Advanced Electrical Option Unit (2)			
Year 6 - Semester 1			
EGH400 -2	Research Project 2		
Advanced	d Electrical Option Unit (3)		
Advanced	d Electrical Option Unit (4)		
Advanced Electrical Option Unit (5)			

Semesters

- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
 Year 4 Semester 1
- Year 4 Semester 1
 Year 4 Semester 2
- Year 5 Semester 1
- Year 5 Semester 2
- Year 6 Semester 1

Code	Title		
Year 2 - Semester 2			
EGB120	Foundations of Electrical Engineering		
MZB127	Engineering Mathematics and Statistics		
Year 3 - Semester 1			
CAB202	Microprocessors and Digital Systems		
EGB121	Engineering Mechanics		
Year 3 - Semester 2			
MZB221	Electrical Engineering Mathematics		
EGB242	Signal Analysis		
Year 4 - Semester 1			
EGB240	Electronic Design		
EGB243	Aircraft Systems and Flight		
Year 4 - 8	Year 4 - Semester 2		
EGB346	Unmanned Aircraft Systems		

EGB345	Control and Dynamic Systems	
Year 5 - S	Semester 1	
EGB349	Systems Engineering and Design Project	
EGH445	Modern Control	
Year 5 - S	Semester 2	
EGH404	Research in Engineering Practice	
EGH446	Autonomous Systems	
EGH450	Advanced Unmanned Aircraft Systems	
Intermedi Unit Optic	ate Electrical and Aerospace	
	Semester 1	
	Research Project	
	d Electrical and Aerospace Unit	
Advanced Option	d Electrical and Aerospace Unit	
• <u>Yea</u> • <u>Yea</u> • <u>Yea</u> • <u>Yea</u>	<u>r 2 - Semester 2</u> <u>r 3 - Semester 1</u> <u>r 3 - Semester 2</u> <u>r 4 - Semester 1</u> <u>r 5 - Semester 1</u> <u>r 5 - Semester 2</u> <u>r 6 - Semester 1</u>	
Code	Title	
	Semester 2	
EGB121	Engineering Mechanics Engineering Mathematics and	
MZB127	Statistics	
Year 3 - S	Semester 1	
EGB125	Design for Manufacture	
EGB314	Solid Mechanics	
Year 3 - S	Semester 2	
EGB210	Fundamentals of Mechanical Design	
EGB211	Dynamics	
Year 4 - Semester 1		
EGB321	Dynamics of Machines	
EGB323	Fluid Mechanics	
Year 4 - S	Semester 2	
EGB120	Foundations of Electrical Engineering	
EGB322	Thermodynamics	
Year 5 - S	Semester 1	
EGB316	Design of Machine Elements	
EGH404	Research in Engineering Practice	
Year 5 - S	Semester 2	

EGH423	Fluid Dynamics	
Year 6 - Semester 1		
EGH400 -2	Research Project 2	
EGB214	Materials and Manufacturing	
EGH414	Stress Analysis	
EGH421	Vibration and Control	

Semesters

- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1
- <u>Year 5 Semester 2</u>
 <u>Year 6 Semester 1</u>
- Code Title Year 2 - Semester 2 Foundations of Electrical **EGB120** Engineering Engineering Mathematics and **MZB127** Statistics Year 3 - Semester 1 EGB121 **Engineering Mechanics Electrical Engineering MZB221 Mathematics** Year 3 - Semester 2 EGB211 **Dynamics** Microprocessors and Digital CAB202 Systems EGB242 Signal Analysis Year 4 - Semester 1 EGB214 Materials and Manufacturing Microprocessors and Digital CAB202 Systems EGB220 Mechatronics Design 1 Year 4 - Semester 2 EGB320 Mechatronics Design 2 EGB345 Control and Dynamic Systems Year 5 - Semester 1 Research in Engineering EGH404 Practice EGB321 **Dynamics of Machines** EGB314 Solid Mechanics Year 5 - Semester 2 **EGH400 Research Project 1** -1 EGH446 Autonomous Systems EGH413 Advanced Dynamics Advanced Electrical Option Unit Intermediate Electrical Option Unit Year 6 - Semester 1 EGH400 **Research Project 2** -2 EGH419 Mechatronics Design 3 EGH445 Modern Control

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<u>SID</u>

EGH400

-1

Research Project 1

EGH420 Mechanical Systems Design

EGH422 Heat Transfer

EGH414 Stress Analysis

Advanced Electrical Option Unit

Semesters

- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1
 Year 5 Semester 2
- Year 6 Semester 1

Code	Title
Year 2 - S	Semester 2
EGB121	Engineering Mechanics
MZB127	Engineering Mathematics and Statistics
Year 3 - S	Semester 1
EGB125	Design for Manufacture
EGB314	Solid Mechanics
Year 3 - 8	Semester 2
EGB210	Fundamentals of Mechanical Design
EGB211	Dynamics
Year 4 - S	Semester 1
EGB323	Fluid Mechanics
LQB187	Human Anatomy
Year 4 - S	Semester 2
EGB120	Foundations of Electrical Engineering
LSB231	Physiology
Year 5 - S	Semester 1
EGH404	Research in Engineering Practice
EGH414	Stress Analysis
Year 5 - S	Semester 2
EGH400 -1	Research Project 1
EGH418	Biomechanics
EGH424	Biofluids
EGH435	Modelling and Simulation for Medical Engineers
Year 6 - S	Semester 1
EGB214	Materials and Manufacturing
EGB319	Medical Device Design
EGH400 -2	Research Project 2
EGH438	Biomaterials



Bachelor of Engineering (Honours)/Bachelor of Science

Year	2022
QUT code	SE80
CRICOS	084924E
Duration (full-time)	5 years
Duration (part-time domestic)	9 years
ATAR/Selection rank	78.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2022: CSP \$7,300 per year full-time (96 credit points)
International fee (indicative)	2022: \$38,700 per year full-time (96 credit points)
Total credit points	480
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Jacob Coetzee (Engineering); Dr Graham Johnson (Science)
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Year 12 early offer scheme

If you're a current Queensland Year 12 student, you may be eligible to receive an offer for this course on the last day of Queensland Year 12, before receiving your ATAR or selection rank.

Find out more about the QUT Year 12 Early Offer Scheme>

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4. C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Assumed knowledge

• Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English

requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Domestic Course structure

To graduate with a Bachelor of Engineering (Honours) in SE80, students are required to complete 288 credit points of course units, as outlined below:

- First year: four (4) core units 48cp + two (2) discipline foundation units 24cp + two (2) option units 24cp (96 credit points)
- Major: one (1) block of eight (8) major units 96cp plus eight (8) honours-level units 96cp (192 credit points).

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x advanced major units 60cp.

To graduate with a Bachelor of Science in SE80, students are required to complete

192 credit points of course units, as outlined below:

- 5 units (60 credit points) of science core units, which includes 1 unit (12 credit points) of option units selected from an approved list. • 11 units (132 credit points) of Major
- core units.

International Course

structure

To graduate with a Bachelor of Engineering (Honours) in SE80, students are required to complete 288 credit points of course units, as outlined below:

- First year: four (4) core units 48cp + two (2) discipline foundation units 24cp + two (2) option units 24cp (96 credit points)
- Major: one (1) block of eight (8) major units 96cp plus eight (8) honours-level units 96cp (192 credit points).

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x advanced major units 60cp.

To graduate with a Bachelor of Science in SE80, students are required to complete 192 credit points of course units, as outlined below:

- 5 units (60 credit points) of science core units, which includes 1 unit (12 credit points) of option units selected from an approved list.
- 11 units (132 credit points) of Major core units.

Sample Structure

- **Semesters** Semester 1 (February)
 - **commencements** . Year 1 Semester 1
 - Year 1 Semester 2
 - ٠
 - Year 2 Semester 1 Year 2 Semester 2
 - Year 3 Semester 1 •
 - Year 3 Semester 2 •
 - Year 4 Semester 1
 - Year 4 Semester 2 ٠
 - Semester 2 (July) commencements
 - Year 1, Semester 2 •
 - Year 2, Semester 1 Year 2, Semester 2 •
 - .
 - Year 3, Semester 1
 - ٠ Year 3, Semester 2
 - Year 4, Semester 1
 - Year 4, Semester 2 .
 - Year 5, Semester 1

Code Title

Semester 1 (February) commencements

Year 1 Semester 1

SEB104 Grand Challenges in Science



SEB113	Quantitative Methods in Science		
Year 1 S	emester 2		
Science	Core Unit Option	Semeste	ers
Science l	Major Unit Option		nester 1 (February)
Year 2 S	emester 1	<u>com</u>	mencements
SEB115	Experimental Science 1		<u>r 1 Semester 1</u> r 1 Semester 2
SEB116	Experimental Science 2	• Yea	r 2 Semester 1
Year 2 S	emester 2		r 2 Semester 2
BVB101	Foundations of Biology		<u>r 3 Semester 1</u> r 3 Semester 2
BVB102	Evolution	 Yea 	r 4 Semester 1
Year 3 S	emester 1		r 4 Semester 2
BVB202	Experimental Design and Quantitative Methods	• <u>Yea</u>	nester 2 (July) commencemer r 1, Semester 2 r 2, Semester 1
BVB301	Animal Biology	• <u>Yea</u>	r 2, Semester 2
Year 3 S	emester 2		<u>r 3, Semester 1</u> r 3, Semester 2
BVB201	Biological Processes		r 4, Semester 1
BVB204	-		r 4, Semester 2
Year <u>4 S</u>	emester 1	• <u>Yea</u>	<u>r 5, Semester 1</u>
	Plant Biology	Code	Title
BVB305	Microbiology and the Environment		r 1 (February) commencemer emester 1
Year 4 S	emester 2		Experimental Science 1
BVB304	Integrative Biology	SEB116	· ·
BVB313	Population Genetics and Molecular Ecology	Year 1 S CVB101	emester 2
Semeste	r 2 (July) commencements	CVBIUI	Chemical Structure and
	Semester 2	CVB102	Reactivity
SEB104		Year 2 S	emester 1
SEB113	Quantitative Methods in Science	SEB104	
Year 2, S	Semester 1	SEB113	Science
	Experimental Science 1	Year 2 S	emester 2
SEB116	•		Chemical Measurement
Year 2, S	Semester 2	CVB210	Science
BVB101	Foundations of Biology	Science	Core Unit Option
BVB102	Evolution	Year 3 S	emester 1
Year 3, S	Semester 1	CVB201	Inorganic Chemistry
	Experimental Design and	CVB202	Analytical Chemistry
BVB202	Quantitative Methods	Year 3 S	emester 2
BVB301	Animal Biology	CVB203	Physical Chemistry
Year 3, S BVB201	emester 2 Biological Processes	CVB204	Organic Structure and Mechanisms
BVB204	Ecology	Year 4 S	emester 1
Year 4, S BVB203	Semester 1	CVB301	Organic Chemistry: Strategie for Synthesis
010200	Microbiology and the	CVB302	Applied Physical Chemistry
BVB305	Environment	Year 4 S	emester 2
Year 4. S	Semester 2		Coordination Chemistry
BVB304		CVB304	-
2001	Population Genetics and Molecular Ecology	Semeste	r 2 (July) commencements Semester 2
BVB313			emesier z
Year 5, S	Semester 1 Core Unit Option	SEB104	

Year 2, S	Semester 1
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, S	Semester 2
CVB101	General Chemistry
CVB102	Chemical Structure and Reactivity
Year 3, S	Semester 1
CVB201	Inorganic Chemistry
CVB202	Analytical Chemistry
Year 3, S	Semester 2
CVB203	Physical Chemistry
CVB204	Organic Structure and Mechanisms
Year 4, S	Semester 1
CVB301	Organic Chemistry: Strategies for Synthesis
CVB302	Applied Physical Chemistry
Year 4, S	Semester 2
CVB210	Chemical Measurement Science
CVB303	Coordination Chemistry
Year 5, S	emester 1
CVB304	Chemistry Research Project
Science (Core Unit Option
com	ers nester 1 (February) imencements r 1 Semester 1

Year 1 Semester	1
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- •
- Year 1 Semester 2 Year 2 Semester 1 Year 2 Semester 1 •
- •
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2 •
- Semester 2 (July) commencements •
- Year 1, Semester 2 .
- Year 2, Semester 1 Year 2, Semester 2 •
- ٠
- Year 3, Semester 1
- Year 3, Semester 2 .
- Year 4, Semester 1 Year 4, Semester 2
- Year 5, Semester 1

Code	Title	
Semester 1 (February) commencements		
Year 1 Semester 1		
SEB104	Grand Challenges in Science	
SEB113	Quantitative Methods in Science	
Year 1 Semester 2		
Science Core Unit Option		
Science Major Unit Option		
Year 2 Semester 1		
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
Year 2 Semester 2		



Bachelor of Engineering (Honours)/Bachelor of Science

ERB101	Earth Systems
ERB102	Evolving Earth
Year 3 Se	emester 1
ERB201	Destructive Earth: Natural Hazards
ERB202	Marine and Atmospheric Systems
Year 3 Se	emester 2
ERB203	Sedimentary Geology and Stratigraphy
ERB204	Deforming Earth: Fundamentals of Structural Geology
Year 4 Se	emester 1
ERB301	Chemical Earth
ERB302	Applied Geophysics
Year 4 Se	emester 2
ERB303	Energy Resources and Basin Analysis
ERB304	Dynamic Earth: Plate Tectonics
Semester	2 (July) commencements
Year 1, S	emester 2
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 2, S	emester 1
SEB115	Experimental Science 1
055440	
SEB116	Experimental Science 2
	Experimental Science 2 emester 2
	•
Year 2, S	emester 2
Year 2, S ERB101 ERB102	emester 2 Earth Systems
Year 2, S ERB101 ERB102	emester 2 Earth Systems Evolving Earth
Year 2, S ERB101 ERB102 Year 3, S	emester 2 Earth Systems Evolving Earth emester 1 Destructive Earth: Natural
Year 2, S ERB101 ERB102 Year 3, S ERB201 ERB202	emester 2 Earth Systems Evolving Earth emester 1 Destructive Earth: Natural Hazards Marine and Atmospheric
Year 2, S ERB101 ERB102 Year 3, S ERB201 ERB202	emester 2 Earth Systems Evolving Earth emester 1 Destructive Earth: Natural Hazards Marine and Atmospheric Systems
Year 2, S ERB101 ERB102 Year 3, S ERB201 ERB202 Year 3, S ERB203 ERB204	emester 2 Earth Systems Evolving Earth emester 1 Destructive Earth: Natural Hazards Marine and Atmospheric Systems emester 2 Sedimentary Geology and Stratigraphy Deforming Earth: Fundamentals of Structural Geology
Year 2, S ERB101 ERB102 Year 3, S ERB201 ERB202 Year 3, S ERB203 ERB204	emester 2 Earth Systems Evolving Earth emester 1 Destructive Earth: Natural Hazards Marine and Atmospheric Systems emester 2 Sedimentary Geology and Stratigraphy Deforming Earth: Fundamentals of Structural
Year 2, S ERB101 ERB102 Year 3, S ERB201 ERB202 Year 3, S ERB203 ERB204	emester 2 Earth Systems Evolving Earth emester 1 Destructive Earth: Natural Hazards Marine and Atmospheric Systems emester 2 Sedimentary Geology and Stratigraphy Deforming Earth: Fundamentals of Structural Geology
Year 2, S ERB101 ERB102 Year 3, S ERB201 ERB202 Year 3, S ERB203 ERB204 Year 4, S	emester 2 Earth Systems Evolving Earth emester 1 Destructive Earth: Natural Hazards Marine and Atmospheric Systems emester 2 Sedimentary Geology and Stratigraphy Deforming Earth: Fundamentals of Structural Geology emester 1
Year 2, S ERB101 ERB102 Year 3, S ERB201 ERB202 Year 3, S ERB203 ERB204 Year 4, S ERB301 ERB302	emester 2 Earth Systems Evolving Earth emester 1 Destructive Earth: Natural Hazards Marine and Atmospheric Systems emester 2 Sedimentary Geology and Stratigraphy Deforming Earth: Fundamentals of Structural Geology emester 1 Chemical Earth
Year 2, S ERB101 ERB102 Year 3, S ERB201 ERB202 Year 3, S ERB203 ERB204 Year 4, S ERB301 ERB302	emester 2 Earth Systems Evolving Earth emester 1 Destructive Earth: Natural Hazards Marine and Atmospheric Systems emester 2 Sedimentary Geology and Stratigraphy Deforming Earth: Fundamentals of Structural Geology emester 1 Chemical Earth Applied Geophysics
Year 2, S ERB101 ERB102 Year 3, S ERB201 ERB202 Year 3, S ERB203 ERB204 Year 4, S ERB301 ERB302 Year 4, S	emester 2 Earth Systems Evolving Earth emester 1 Destructive Earth: Natural Hazards Marine and Atmospheric Systems emester 2 Sedimentary Geology and Stratigraphy Deforming Earth: Fundamentals of Structural Geology emester 1 Chemical Earth Applied Geophysics emester 2 Energy Resources and Basin
Year 2, S ERB101 ERB102 Year 3, S ERB201 ERB202 Year 3, S ERB203 ERB204 Year 4, S ERB301 ERB302 Year 4, S ERB303 ERB303	emester 2 Earth Systems Evolving Earth emester 1 Destructive Earth: Natural Hazards Marine and Atmospheric Systems emester 2 Sedimentary Geology and Stratigraphy Deforming Earth: Fundamentals of Structural Geology emester 1 Chemical Earth Applied Geophysics emester 2 Energy Resources and Basin Analysis Dynamic Earth: Plate
Year 2, S ERB101 ERB102 Year 3, S ERB201 ERB202 Year 3, S ERB203 ERB203 ERB204 Year 4, S ERB301 ERB302 Year 4, S ERB303 ERB303 ERB304 Year 5, S	emester 2 Earth Systems Evolving Earth emester 1 Destructive Earth: Natural Hazards Marine and Atmospheric Systems emester 2 Sedimentary Geology and Stratigraphy Deforming Earth: Fundamentals of Structural Geology emester 1 Chemical Earth Applied Geophysics emester 2 Energy Resources and Basin Analysis Dynamic Earth: Plate Tectonics
Year 2, S ERB101 ERB102 Year 3, S ERB201 ERB202 Year 3, S ERB203 ERB203 ERB204 Year 4, S ERB301 ERB302 Year 4, S ERB303 ERB304 Year 5, S Science (emester 2 Earth Systems Evolving Earth emester 1 Destructive Earth: Natural Hazards Marine and Atmospheric Systems emester 2 Sedimentary Geology and Stratigraphy Deforming Earth: Fundamentals of Structural Geology emester 1 Chemical Earth Applied Geophysics emester 2 Energy Resources and Basin Analysis Dynamic Earth: Plate Tectonics

Semeste	
	nester 1 (February) mencements
	r 1 Semester 1
	r 1 Semester 2
• <u>Yea</u>	r <u>2 Semester 1</u> r 2 Semester 2
	r 3 Semester 1
• <u>Yea</u>	r 3 Semester 2
	r 4 Semester 1
	r <u>4 Semester 2</u> nester 2 (July) commencements
• <u>Yea</u>	r 1, Semester 2
	<u>r 2, Semester 1</u> r 2, Semester 2
• <u>Tea</u> • Yea	r 3, Semester 1
• <u>Yea</u>	<u>r 3, Semester 2</u>
• <u>Yea</u> • Yea	<u>r 4, Semester 1</u> r 4, Semester 2
• Yea	r 5, Semester 1
Code	Title
Year 1 Se	r 1 (February) commencements
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Vear 1 Se	emester 2
	Core Unit Option
	Major Unit Option
	emester 1
SEB115 SEB116	Experimental Science 1
	Experimental Science 2
Vear 2 S	amostor 2
	emester 2 Farth Systems
ERB101	Earth Systems Ecosystems and the
ERB101 EVB102	Earth Systems Ecosystems and the Environment
ERB101 EVB102	Earth Systems Ecosystems and the Environment emester 1
ERB101 EVB102	Earth Systems Ecosystems and the Environment
ERB101 EVB102 Year 3 So BVB202	Earth Systems Ecosystems and the Environment emester 1 Experimental Design and
ERB101 EVB102 Year 3 So BVB202 EVB203	Earth Systems Ecosystems and the Environment emester 1 Experimental Design and Quantitative Methods Geospatial Information Science
ERB101 EVB102 Year 3 So BVB202 EVB203	Earth Systems Ecosystems and the Environment emester 1 Experimental Design and Quantitative Methods Geospatial Information
ERB101 EVB102 Year 3 So BVB202 EVB203	Earth Systems Ecosystems and the Environment emester 1 Experimental Design and Quantitative Methods Geospatial Information Science
ERB101 EVB102 Year 3 So BVB202 EVB203 Year 3 So BVB204 EVB302	Earth Systems Ecosystems and the Environment emester 1 Experimental Design and Quantitative Methods Geospatial Information Science emester 2 Ecology Environmental Pollution
ERB101 EVB102 Year 3 So BVB202 EVB203 Year 3 So BVB204 EVB302	Earth Systems Ecosystems and the Environment Experimental Design and Quantitative Methods Geospatial Information Science Experimental Design and Quantitative Methods
ERB101 EVB102 Year 3 So BVB202 EVB203 Year 3 So BVB204 EVB302	Earth Systems Ecosystems and the Environment Experimental Design and Quantitative Methods Geospatial Information Science Excology Environmental Pollution Environmental Pollution
ERB101 EVB102 Year 3 So BVB202 EVB203 Year 3 So BVB204 EVB302 Year 4 So BVB311 EVB312	Earth Systems Ecosystems and the Environment Experimental Design and Quantitative Methods Geospatial Information Science Emester 2 Ecology Environmental Pollution Environmental Pollution Environmental Pollution
ERB101 EVB102 Year 3 So BVB202 EVB203 Year 3 So BVB204 EVB302 Year 4 So BVB311 EVB312	Earth Systems Ecosystems and the Environment Experimental Design and Quantitative Methods Geospatial Information Science Ecology Environmental Pollution Environmental Pollution Emester 1 Conservation Biology Soils and the Environment Emester 2
ERB101 EVB102 Year 3 So BVB202 EVB203 Year 3 So BVB204 EVB302 Year 4 So BVB311 EVB312	Earth Systems Ecosystems and the Environment Experimental Design and Quantitative Methods Geospatial Information Science Ecology Environmental Pollution Environmental Pollution
ERB101 EVB102 Year 3 Se BVB202 EVB203 Year 3 Se BVB204 EVB302 Year 4 Se BVB311 EVB312 Year 4 Se	Earth Systems Ecosystems and the Environment Experimental Design and Quantitative Methods Geospatial Information Science Ecology Environmental Pollution Environmental Pollution Emester 1 Conservation Biology Soils and the Environment Emester 2
ERB101 EVB102 Year 3 So BVB202 EVB203 Year 3 So BVB204 EVB302 Year 4 So BVB311 EVB312 Year 4 So ERB310 EVB304	Earth Systems Ecosystems and the Environment Experimental Design and Quantitative Methods Geospatial Information Science Ecology Environmental Pollution Environmental Pollution Environmental Pollution Environmental Pollution Environmental Pollution Environmental Science
ERB101 EVB102 Year 3 Se BVB202 EVB203 Year 3 Se BVB204 EVB302 Year 4 Se BVB311 EVB312 Year 4 Se ERB310 EVB304 Semeste	Earth Systems Ecosystems and the Environment Experimental Design and Quantitative Methods Geospatial Information Science Ecology Environmental Pollution Environmental Pollution Environmental Pollution Environmental Science Groundwater Systems Case Studies in Environmental Science
ERB101 EVB102 Year 3 Se BVB202 EVB203 Year 3 Se BVB204 EVB302 Year 4 Se BVB311 EVB312 Year 4 Se ERB310 EVB304 Semester Year 1, S	Earth Systems Ecosystems and the Environment Experimental Design and Quantitative Methods Geospatial Information Science Emester 2 Ecology Environmental Pollution Environmental Pollution Environmental Pollution Emester 1 Conservation Biology Soils and the Environment Emester 2 Groundwater Systems Case Studies in Environmental Science T 2 (July) commencements Emester 2
ERB101 EVB102 Year 3 Se BVB202 EVB203 Year 3 Se BVB204 EVB302 Year 4 Se BVB311 EVB312 Year 4 Se ERB310 EVB304 Semeste	Earth Systems Ecosystems and the Environment Environment Experimental Design and Quantitative Methods Geospatial Information Science Emester 2 Ecology Environmental Pollution Environmental Pollution Environmental Pollution Environmental Science Groundwater Systems Case Studies in Environmental Science (2 (July) commencements Emester 2 Grand Challenges in Science
ERB101 EVB102 Year 3 Se BVB202 EVB203 Year 3 Se BVB204 EVB302 Year 4 Se BVB311 EVB312 Year 4 Se ERB310 EVB304 Semester Year 1, S	Earth Systems Ecosystems and the Environment Experimental Design and Quantitative Methods Geospatial Information Science Emester 2 Ecology Environmental Pollution Environmental Pollution Environmental Pollution Emester 1 Conservation Biology Soils and the Environment Emester 2 Groundwater Systems Case Studies in Environmental Science T 2 (July) commencements Emester 2
ERB101 EVB102 Year 3 Se BVB202 EVB203 Year 3 Se BVB204 EVB302 Year 4 Se BVB311 EVB312 Year 4 Se ERB310 EVB304 Semester Year 1, S SEB104 SEB113	Earth Systems Ecosystems and the Environment Experimental Design and Quantitative Methods Geospatial Information Science Emester 2 Ecology Environmental Pollution Environmental Pollution Environmental Pollution Emester 1 Conservation Biology Soils and the Environment Emester 2 Groundwater Systems Case Studies in Environmental Science T 2 (July) commencements Emester 2 Grand Challenges in Science Quantitative Methods in
ERB101 EVB102 Year 3 Se BVB202 EVB203 Year 3 Se BVB204 EVB302 Year 4 Se BVB311 EVB312 Year 4 Se ERB310 EVB304 Semester Year 1, S SEB104 SEB113	Earth Systems Ecosystems and the Environment mester 1 Experimental Design and Quantitative Methods Geospatial Information Science Ecology Environmental Pollution Environmental Pollution Soils and the Environment Econservation Biology Soils and the Environment Environmental Science Case Studies in Environmental Science (July) commencements Emester 2 Grand Challenges in Science Quantitative Methods in Science Emester 1
ERB101 EVB102 Year 3 Se BVB202 EVB203 Year 3 Se BVB204 EVB302 Year 4 Se BVB311 EVB312 Year 4 Se ERB310 EVB304 Semester Year 1, S SEB104 SEB113 Year 2, S	Earth Systems Ecosystems and the Environment emester 1 Experimental Design and Quantitative Methods Geospatial Information Science emester 2 Ecology Environmental Pollution emester 1 Conservation Biology Soils and the Environment emester 2 Groundwater Systems Case Studies in Environmental Science r 2 (July) commencements emester 2 Grand Challenges in Science Quantitative Methods in Science

Year 2, S	emester 2
ERB101	Earth Systems
EVB102	Ecosystems and the Environment
Year 3, S	emester 1
BVB202	Experimental Design and Quantitative Methods
EVB203	Geospatial Information Science
Year 3, S	emester 2
BVB204	Ecology
EVB302	Environmental Pollution
Year 4, S	emester 1
BVB311	Conservation Biology
EVB312	Soils and the Environment
Year 4, S	emester 2
ERB310	Groundwater Systems
EVB304	Case Studies in Environmental Science
Year 5, S	emester 1
Science (Core Unit Option

Semesters

	<u>ester 1 (February)</u>	
com	mencements	
	r 1 Semester 1	
 Yea 	r 1 Semester 2	
• <u>Yea</u>	r 2 Semester 1	
	r 2 Semester 2	
• <u>Yea</u>	r <u>3 Semester 1</u>	
	r <u>3 Semester 2</u>	
Year 4 Semester 1		
Year 4 Semester 2		
	ester 2 (July) commencements	
	<u>r 1, Semester 2</u>	
	<u>r 2, Semester 1</u>	
• <u>Yea</u>	r 2, Semester 2	
	r 3, Semester 1	
	r 3, Semester 2	
	 Year 4, Semester 1 	
	r 4, Semester 2	
• <u>Yea</u>	r 5, Semester 1	
Code	Title	
Semester	1 (February) commencements	
	1 (February) commencements	
Semester Year 1 Se	1 (February) commencements	
Semester	1 (February) commencements	
Semester Year 1 Se SEB113	1 (February) commencements emester 1 Quantitative Methods in Science	
Semester Year 1 Se SEB113 SEB115	1 (February) commencements emester 1 Quantitative Methods in Science Experimental Science 1	
Semester Year 1 Se SEB113 SEB115 Year 1 Se	1 (February) commencements emester 1 Quantitative Methods in Science Experimental Science 1 emester 2	
Semester Year 1 Se SEB113 SEB115 Year 1 Se	1 (February) commencements emester 1 Quantitative Methods in Science Experimental Science 1	
Semester Year 1 Se SEB113 SEB115 Year 1 Se	1 (February) commencements emester 1 Quantitative Methods in Science Experimental Science 1 emester 2	
Semester Year 1 Se SEB113 SEB115 Year 1 Se PVB102	1 (February) commencements emester 1 Quantitative Methods in Science Experimental Science 1 emester 2 Physics of the Very Small Grand Challenges in Science	

SEB116 Experimental Science 2

QUT

PVB200 Computational and

Year 2 Semester 2

the university for the real world

	Mathematical Physics
Science C	Core Unit Option
Year 3 Se	emester 1
PQB360	Introduction to Climate Change
PVB210	Stellar Astrophysics
Year 3 Se	emester 2
PVB204	Electromagnetism
PVB220	Cosmology
Year 4 Se	
PVB301	Materials and Thermal Physics
PVB302	Classical and Quantum Physics
Year 4 Se	emester 2
PVB303	Nuclear and Particle Physics
PVB304	Physics Research
	2 (July) commencements
Year 1, S	emester 2
PVB102	Physics of the Very Small
SEB104	Grand Challenges in Science
Year 2, S	emester 1
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, S	emester 2
PVB200	Computational and Mathematical Physics
SEB113	Quantitative Methods in Science
Year 3, S	emester 1
PVB203	Experimental Physics
PVB210	Stellar Astrophysics
Year 3, S	emester 2
PVB204	Electromagnetism
PVB220	Cosmology
Year 4, S	emester 1
PVB301	Materials and Thermal Physics
PVB302	Classical and Quantum Physics
Year 4, S	emester 2
PVB303	Nuclear and Particle Physics
PVB304	Physics Research
Year 5, S	emester 1
PQB360	Introduction to Climate Change
Science C	Core Unit Option

Semesters

- Semester 1 (February)
- **commencements**
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
 Year 3 Semester 2
- Year 4, Semester 1 ٠
- Year 4 - Semester 2

 Year 5 - Semester 1 • Year 5 - Semester 2

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Code	Title		
Semester	1 (February) commencements		
Year 2 - 5	Semester 1		
EGB160	Process Principles		
EGB161	Foundations of Engineering Chemistry		
Year 2 - 5	Semester 2		
EGB121	Engineering Mechanics		
MZB127	Engineering Mathematics and Statistics		
Year 3 - 5	Semester 1		
EGB261	Unit Operations		
EGB323	Fluid Mechanics		
Year 3 - 5	Semester 2		
EGB263	Process Systems		
EGB264	Engineering Chemistry		
Year 4, S	Year 4, Semester 1		
EGH404	Research in Engineering Practice		
EGB362	Operations Management and Process Economics		
Year 4 - S	Semester 2		
EGB322	Thermodynamics		
EGB364	Process Modelling		
Year 5 - 5	Semester 1		
EGB361	Minerals Processing		
EGH408	Research Project		
EGH463	Process Design		
Year 5 - 5	Semester 2		
EGH422	Heat Transfer		
EGH423	Fluid Dynamics		
EGH411	Sustainable Chemical Engineering in Practice		
EGH462	Process Control		

Semesters

- <u>Semester 1 (February)</u> commencements Year 1 - Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1 Year 3 - Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1
 Year 5 Semester 2

Code	Title
Semester	1 (February) commencements
Year 1 - Semester 1	
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics

OR	
MXB161	Computational Explorations
Year 1 - S	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - S	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - S	Semester 2
EGB120	Foundations of Electrical Engineering
Foundatio	on Unit Option
Year 3 - 8	Semester 1
EGB261	Unit Operations
EGB323	Fluid Mechanics
Year 3 - S	Semester 2
CVB101	General Chemistry
EGB322	Thermodynamics
Year 4 - S	Semester 1
EGB262	Process Principles
EGB361	Minerals Processing
Year 4 - S	Semester 2
EGB364	Process Modelling
EGH411	Sustainable Chemical Engineering in Practice
Year 5 - S	Semester 1
EGB362	Operations Management and Process Economics
EGH400 -1	Research Project 1
EGH404	Research in Engineering Practice
EGH463	Process Design
Year 5 - S	Semester 2
EGH400 -2	Research Project 2
EGH422	Heat Transfer
EGH423	Fluid Dynamics
EGH462	Process Control

Semesters

- Semester 1 (February) <u>commencements</u>
- Year 2 Semester 1
 Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4, Semester 1
- Year 4 Semester 2
- Year 5 Semester 1
- Year 5 Semester 2

Code Title

Semester 1 (February) commencements Year 2 - Semester 1

EGB121 Engineering Mechanics



This information is correct as at 04/10/2022. For the most up-to-date course information, visit https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?courseCode=SE80&id=39035. CRICOS No.00213J

MZB127	Engineering Mathematics and Statistics
Year 2 - 5	Semester 2
EGB123	Civil Engineering Systems
EGB124	Engineering for the Environment
Year 3 - S	Semester 1
EGB270	Civil Engineering Materials
EGB272	Traffic and Transport Engineering
Year 3 - S	Semester 2
EGB273	Principles of Construction
EGB373	Geotechnical Engineering
Year 4, S	emester 1
EGB275	Structural Mechanics
EGB371	Engineering Hydraulics
Year 4 - S	Semester 2
EGB376	Steel Design
EGH471	Advanced Water Engineering
Year 5 - S	Semester 1
Year 5 - 8 EGB375	Semester 1 Design of Concrete Structures
EGB375 EGH400	Design of Concrete Structures
EGB375 EGH400 -1	Design of Concrete Structures Research Project 1 Research in Engineering
EGB375 EGH400 -1 EGH404 EGH473	Design of Concrete Structures Research Project 1 Research in Engineering Practice Advanced Geotechnical
EGB375 EGH400 -1 EGH404 EGH473	Design of Concrete Structures Research Project 1 Research in Engineering Practice Advanced Geotechnical Engineering
EGB375 EGH400 -1 EGH404 EGH473 Year 5 - S EGH400	Design of Concrete Structures Research Project 1 Research in Engineering Practice Advanced Geotechnical Engineering Semester 2
EGB375 EGH400 -1 EGH404 EGH473 Year 5 - S EGH400 -2	Design of Concrete Structures Research Project 1 Research in Engineering Practice Advanced Geotechnical Engineering Semester 2 Research Project 2 Advanced Highway and
EGB375 EGH400 -1 EGH404 EGH473 Year 5 - S EGH400 -2 EGH472 EGH479	Design of Concrete Structures Research Project 1 Research in Engineering Practice Advanced Geotechnical Engineering Semester 2 Research Project 2 Advanced Highway and Pavement Engineering Advances in Civil Engineering
EGB375 EGH400 -1 EGH404 EGH473 Year 5 - S EGH400 -2 EGH472 EGH479	Design of Concrete Structures Research Project 1 Research in Engineering Practice Advanced Geotechnical Engineering Semester 2 Research Project 2 Advanced Highway and Pavement Engineering Advances in Civil Engineering Practice
EGB375 EGH400 -1 EGH404 EGH473 Year 5 - S EGH400 -2 EGH472 EGH472 EGH479 One Adva	Design of Concrete Structures Research Project 1 Research in Engineering Practice Advanced Geotechnical Engineering Semester 2 Research Project 2 Advanced Highway and Pavement Engineering Advances in Civil Engineering Practice anced Civil Unit from Advanced Concrete

Semesters

- Semester 1 (February)
- commencements
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1 ٠ Year 3 - Semester 2
- Year 4 Semester 1 ٠
- Year 4 - Semester 2
- Year 5 Semester 1
- Year 5 Semester 2 •

Code Title

	Semester 1 (February) commencement	
	Year 1 - Semester 1	
EGB101 Engineering Design and Professional Practice		Engineering Design and Professional Practice

MZB125 Introductory Engineering Mathematics OR MXB161 Computational Explorations. If you have obtained Sound Achievement (or higher) in Mathematical Methods and Specialist Mathematics, you must choose MXB161 Computational Explorations.	
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - S	Semester 2
EGB102	Fundamentals of Engineering Science
EGB103	Computing and Data for Engineers
Year 2 - S	Semester 1
CAB201	Programming Principles
EGB120	Foundations of Electrical Engineering
Year 2 - S	Semester 2
CAB202	Microprocessors and Digital Systems
MZB127	Engineering Mathematics and Statistics
Year 3 - S	Semester 1
EGB242	Signal Analysis
LODZ	Olghai / Talysis
MZB221	Electrical Engineering Mathematics
MZB221 Year 3 - S	Electrical Engineering Mathematics Semester 2
MZB221 Year 3 - S	Electrical Engineering Mathematics
MZB221 Year 3 - S Intermedi	Electrical Engineering Mathematics Semester 2
MZB221 Year 3 - S Intermedi	Electrical Engineering Mathematics Semester 2 ate Electrical Option unit
MZB221 Year 3 - S Intermedi Year 4 - S	Electrical Engineering Mathematics Semester 2 ate Electrical Option unit Semester 1
MZB221 Year 3 - S Intermedi Year 4 - S CAB301 EGB240	Electrical Engineering Mathematics Semester 2 ate Electrical Option unit Semester 1 Algorithms and Complexity
MZB221 Year 3 - S Intermedi Year 4 - S CAB301 EGB240 Year 4 - S	Electrical Engineering Mathematics Semester 2 ate Electrical Option unit Semester 1 Algorithms and Complexity Electronic Design
MZB221 Year 3 - S Intermedi Year 4 - S CAB301 EGB240 Year 4 - S	Electrical Engineering Mathematics Semester 2 ate Electrical Option unit Semester 1 Algorithms and Complexity Electronic Design Semester 2
MZB221 Year 3 - S Intermedi Year 4 - S CAB301 EGB240 Year 4 - S CAB240 EGH404	Electrical Engineering Mathematics Semester 2 ate Electrical Option unit Semester 1 Algorithms and Complexity Electronic Design Semester 2 Information Security Research in Engineering
MZB221 Year 3 - S Intermedi Year 4 - S CAB301 EGB240 Year 4 - S CAB240 EGH404	Electrical Engineering Mathematics Semester 2 ate Electrical Option unit Semester 1 Algorithms and Complexity Electronic Design Semester 2 Information Security Research in Engineering Practice
MZB221 Year 3 - S Intermedi Year 4 - S CAB301 EGB240 Year 4 - S CAB240 EGH404 Year 5 - S	Electrical Engineering Mathematics Semester 2 ate Electrical Option unit Semester 1 Algorithms and Complexity Electronic Design Semester 2 Information Security Research in Engineering Practice Semester 1
MZB221 Year 3 - S Intermedi Year 4 - S CAB301 EGB240 Year 4 - S CAB240 EGH404 Year 5 - S CAB302 EGH400	Electrical Engineering Mathematics Semester 2 ate Electrical Option unit Semester 1 Algorithms and Complexity Electronic Design Semester 2 Information Security Research in Engineering Practice Semester 1 Software Development
MZB221 Year 3 - S Intermedi Year 4 - S CAB301 EGB240 Year 4 - S CAB240 EGH404 Year 5 - S CAB302 EGH400 -1 EGH456 Advanced	Electrical Engineering Mathematics Semester 2 ate Electrical Option unit Semester 1 Algorithms and Complexity Electronic Design Semester 2 Information Security Research in Engineering Practice Semester 1 Software Development Research Project 1
MZB221 Year 3 - S Intermedi Year 4 - S CAB301 EGB240 Year 4 - S CAB240 EGH404 Year 5 - S CAB302 EGH400 -1 EGH456 Advanced Systems	Electrical Engineering Mathematics Semester 2 ate Electrical Option unit Semester 1 Algorithms and Complexity Electronic Design Semester 2 Information Security Research in Engineering Practice Semester 1 Software Development Research Project 1 Embedded Systems Computer & Software
MZB221 Year 3 - S Intermedi Year 4 - S CAB301 EGB240 Year 4 - S CAB240 EGH404 Year 5 - S CAB302 EGH400 -1 EGH456 Advanced Systems	Electrical Engineering Mathematics Semester 2 ate Electrical Option unit Semester 1 Algorithms and Complexity Electronic Design Semester 2 Information Security Research in Engineering Practice Semester 1 Software Development Research Project 1 Embedded Systems Computer & Software Option Unit
MZB221 Year 3 - S Intermedi Year 4 - S CAB301 EGB240 Year 4 - S CAB240 EGH404 Year 5 - S CAB302 EGH400 -1 EGH456 Advanced Systems Year 5 - S EGH400	Electrical Engineering Mathematics Semester 2 ate Electrical Option unit Semester 1 Algorithms and Complexity Electronic Design Semester 2 Information Security Research in Engineering Practice Semester 1 Software Development Research Project 1 Embedded Systems Computer & Software Option Unit Semester 2
MZB221 Year 3 - S Intermedi Year 4 - S CAB301 EGB240 Year 4 - S CAB240 EGH404 Year 5 - S CAB302 EGH400 -1 EGH456 Advanced Systems Year 5 - S EGH400 -2	Electrical Engineering Mathematics Semester 2 ate Electrical Option unit Semester 1 Algorithms and Complexity Electronic Design Semester 2 Information Security Research in Engineering Practice Semester 1 Software Development Research Project 1 Embedded Systems Computer & Software Option Unit Semester 2 Research Project 2
MZB221 Year 3 - S Intermedi Year 4 - S CAB301 EGB240 Year 4 - S CAB240 EGH404 Year 5 - S CAB302 EGH400 -1 EGH456 Advanced Systems Year 5 - S EGH400 -2 CAB432 EGH455 Advanced	Electrical Engineering Mathematics Semester 2 ate Electrical Option unit Semester 1 Algorithms and Complexity Electronic Design Semester 2 Information Security Research in Engineering Practice Semester 1 Software Development Research Project 1 Embedded Systems Computer & Software Option Unit Semester 2 Research Project 2 Research Project 2 Cloud Computing

Semesters

- Semester 1 (February) commencements
- Year 2 Semester 1
- Year 2 Semester 2

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- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
 Year 5 Semester 1
- Year 5 Semester 2

• <u>Yea</u>	<u>r 5 - Semester 2</u>	
Code	Title	
Semester	1 (February) commencements	
Year 2 - S	Semester 1	
EGB121	Engineering Mechanics	
MZB127	Engineering Mathematics and Statistics	
Year 2 - 5	Semester 2	
CAB202	Microprocessors and Digital Systems	
EGB120	Foundations of Electrical Engineering	
Year 3 - 5	Semester 1	
EGB240	Electronic Design	
MZB221	Electrical Engineering Mathematics	
Year 3 - S	Semester 2	
EGB242	Signal Analysis	
Intermedi	ate Electrical Option Unit (1)	
EGB348 can be selected from the list. A requisite waiver for this unit will be granted if you are enrolled in EGB242 at the same time.		
Year 4 - S	Semester 1	
EGB340	Design and Practice	
EGB241	Electromagnetics and Machines	
Year 4 - S	Semester 2	
EGB341	Energy Supply and Delivery	
Intermedi	ate Electrical Option Unit (2)	
Year 5 - S	Semester 1	
EGH400 -1	Research Project 1	
EGH404	Research in Engineering Practice	
Advanced	Electrical Option Unit (1)	
	Electrical Option Unit (2)	
	Semester 2	
EGH400 -2	Research Project 2	
Advanced	d Electrical Option Unit (3)	
Advanced	d Electrical Option Unit (4)	

Semesters

- Semester 1 (February) commencements
- Year 2 Semester 1
- Year 2 Semester 2
 Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1



Year 5 - Semester 2

Code	Title
Semester	1 (February) commencements
Year 2 - S	Semester 1
EGB120	Foundations of Electrical Engineering
MZB127	Engineering Mathematics and Statistics
Year 2 - S	Semester 2
EGB121	Engineering Mechanics
CAB202	Microprocessors and Digital Systems
Year 3 - 5	Semester 1
MZB221	Electrical Engineering Mathematics
EGB240	Electronic Design
Year 3 - S	Semester 2
EGB242	Signal Analysis
Intermedi Option Ur	ate Electrical and Aerospace
Year 4 - S	Semester 1
EGB243	Aircraft Systems and Flight
EGB349	Systems Engineering and Design Project
Year 4 - S	Semester 2
EGB345	Control and Dynamic Systems
EGB346	Unmanned Aircraft Systems
Year 5 - S	Semester 1
EGH400 -1	Research Project 1
EGH404	Research in Engineering Practice
EGH445	Modern Control
Advanced Option Ur	Electrical and Aerospace
Year 5 - S	Semester 2
EGH400 -2	Research Project 2
EGH450	Advanced Unmanned Aircraft Systems
EGH446	Autonomous Systems
Advanced Option Ur	d Electrical and Aerospace

Semesters

- Semester 1 (February)
- commencements
- Year 2 Semester 1 ٠ Year 2 - Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- •
- Year 4 Semester 1 Year 4 Semester 2 •
- Year 5 - Semester 1
- Year 5 Semester 2

Code Title Semester 1 (February) commencements Year 2 - Semester 1

EGB121	Engineering Mechanics
MZB127	Engineering Mathematics and Statistics
Year 2 - 8	Semester 2
EGB120	Foundations of Electrical Engineering
EGB125	Design for Manufacture
Year 3 - S	Semester 1
EGB214	Materials and Manufacturing
EGB314	Solid Mechanics
Year 3 - 8	Semester 2
EGB210	Fundamentals of Mechanical Design
EGB211	Dynamics
Year 4 - S	Semester 1
EGB321	Dynamics of Machines
EGB323	Fluid Mechanics
Year 4 - S	Semester 2
EGB322	Thermodynamics
EGH404	Research in Engineering Practice
Year 5 - S	Semester 1
EGB316	Design of Machine Elements
EGH400 -1	Research Project 1
EGH414	Stress Analysis
EGH421	Vibration and Control
EGH421	-
EGH421	Vibration and Control
EGH421 Year 5 - 5 EGH400	Vibration and Control Semester 2
EGH421 Year 5 - 5 EGH400 -2	Vibration and Control Semester 2 Research Project 2

Semesters

- Semester 1 (February) **commencements**
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1 •
- Year 2 Semester 2 Year 3 - Semester 1 ٠
- Year 3 Semester 2
- Year 4 Semester 1
- •
- Year 4 Semester 2 Year 5 Semester 1 .
- Year 5 Semester 2

Code	Title
Semester	1 (February) commencements
Year 1 - Semester 1	
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - Semester 2	
EGB100	Engineering Sustainability and

	Professional Practice
MZB126	Engineering Computation
Year 2 - S	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - S	Semester 2
EGB120	Foundations of Electrical Engineering
Foundatio	on Unit Option
Year 3 - S	Semester 1
EGB214	Materials and Manufacturing
EGB314	Solid Mechanics
Year 3 - 8	Semester 2
EGB210	Fundamentals of Mechanical Design
EGB211	Dynamics
Year 4 - S	Semester 1
EGB321	Dynamics of Machines
EGB323	Fluid Mechanics
Year 4 - S	Semester 2
EGB322	Thermodynamics
EGH404	Research in Engineering Practice
Year 5 - S	Semester 1
EGB316	Design of Machine Elements
EGH400 -1	Research Project 1
EGH414	Stress Analysis
EGH421	Vibration and Control
Year 5 - S	Semester 2
EGH400 -2	Research Project 2
EGH420	Mechanical Systems Design
EGH422	Heat Transfer
EGH423	Fluid Dynamics

Semesters

- Semester 1 (February) commencements
- Year 2 - Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2 ٠
- Year 5 Semester 1
- Year 5 Semester 2

Code	Title	
Semester	Semester 1 (February) commencements	
Year 2 - Semester 1		
EGB121	Engineering Mechanics	
MZB127	Engineering Mathematics and Statistics	
Year 2 - Semester 2		
EGB120	Foundations of Electrical Engineering	



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MZB221	Electrical Engineering Mathematics
Year 3 - 5	Semester 1
EGB242	Signal Analysis
Materials CAB202	Strand unit (EGB214) OR
EGB214	Materials and Manufacturing
OR	
CAB202	Microprocessors and Digital Systems
Year 3 - 5	Semester 2
EGB345	Control and Dynamic Systems
Dynamics CAB202	Strand unit (EGB211) or
EGB211	Dynamics
OR	
CAB202	Microprocessors and Digital Systems
Year 4 - S	Semester 1
	Mechatronics Design 1
	Strand unit (EGB321) OR
	Strand unit (EGB314)
EGB321	Dynamics of Machines
OR	
EGB314	Solid Mechanics
Year 4 - 5	Semester 2
EGB320	Mechatronics Design 2
Intermedi	ate Electrical Unit Option
Year 5 - S	Semester 1
EGH404	Research in Engineering Practice
EGH419	Mechatronics Design 3
EGH445	Modern Control
	Strand unit (EGH414) OR Electrical Unit Option
	Stress Analysis
OR	
	Electrical Option Unit
	Semester 2
	Research Project
	Autonomous Systems
	Strand unit (EGH413) OR
	Electrical Unit Option
EGH413	Advanced Dynamics
OR	
Advanced	Electrical Option Unit

Semesters

- Semester 1 (February)
- **commencements**
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1 •
- Year 2 Semester 2 Year 3 - Semester 1 ٠
- Year 3 - Semester 2
- Year 4 Semester 1 ٠
- Year 4 - Semester 2

 Year 5 - Semester 1 • Year 5 - Semester 2

Code	Title
	1 (February) commencements
	Semester 1
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - 5	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - S	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - 5	Semester 2
EGB120	Foundations of Electrical Engineering
Foundatio	on Unit Option
Year 3 - 5	Semester 1
CAB202	Microprocessors and Digital Systems
EGB242	Signal Analysis
Year 3 - 5	Semester 2
EGB211	Dynamics
EGB345	Control and Dynamic Systems
	Semester 1
	Mechatronics Design 1
	ate Mechanical Option Unit
Year 4 - S	Semester 2
EGB320	
	ate Electrical Option Unit
	Semester 1
EGH400 -1	Research Project 1
EGH404	Research in Engineering Practice
EGH419	Mechatronics Design 3
EGH445	Modern Control
Year 5 - Semester 2	
EGH400 -2	Research Project 2
Advanced	d Mechanical Option Unit
EGH446	Autonomous Systems
Advanced	d Electrical Option Unit

Semesters

- <u>Semester 1 (February)</u>
- commencements
- Year 2 Semester 1
- Year 2 Semester 2
 Year 3 Semester 1
- Year 3 Semester 2

- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1 Year 5 - Semester 2

- 100	<u>15 - Semester 2</u>	
Code	Title	
Semester	1 (February) commencements	
Year 2 - S	Semester 1	
EGB121	Engineering Mechanics	
MZB127	Engineering Mathematics and Statistics	
Year 2 - S	Semester 2	
EGB120	Foundations of Electrical Engineering	
EGB125	Design for Manufacture	
Year 3 - 5	Semester 1	
EGB214	Materials and Manufacturing	
EGB314	Solid Mechanics	
Year 3 - 5	Semester 2	
EGB210	Fundamentals of Mechanical Design	
EGB211	Dynamics	
Year 4 - 5	Semester 1	
EGB323	Fluid Mechanics	
LQB187	Human Anatomy	
Year 4 - S	Semester 2	
EGH404	Research in Engineering Practice	
LSB231	Physiology	
Year 5 - 5	Semester 1	
EGB319	Medical Device Design	
EGH400 -1	Research Project 1	
EGH414	Stress Analysis	
EGH438	Biomaterials	
Year 5 - Semester 2		
EGH400 -2	Research Project 2	
EGH418	Biomechanics	
EGH424	Biofluids	
EGH435	Modelling and Simulation for Medical Engineers	

Semesters

- Semester 1 (February) **commencements**
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1 Year 2 - Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- •
- Year 4 Semester 2 Year 5 Semester 1 ٠
- Year 5 Semester 2

Code Title

Semester 1 (February) commencements

SIL

Year 1 - Semester 1



EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - S	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - S	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - S	Semester 2
EGB120	Foundations of Electrical Engineering
Foundatio	on Unit Option
Year 3 - 5	Semester 1
EGB314	Solid Mechanics
LQB187	Human Anatomy
	eplaces LSB131 from 2021
onwards	
Year 3 - S	Semester 2
EGB211	Dynamics
LSB231	Physiology
Year 4 - S	Semester 1
EGB214	Materials and Manufacturing
EGB323	Fluid Mechanics
Year 4 - S	Semester 2
EGB210	Fundamentals of Mechanical Design
EGH404	Research in Engineering Practice
Year 5 - S	
EGB319	Semester 1
LODJIS	Semester 1 Medical Device Design
EGH400 -1	
EGH400	Medical Device Design
EGH400 -1	Medical Device Design Research Project 1
EGH400 -1 EGH414 EGH438	Medical Device Design Research Project 1 Stress Analysis
EGH400 -1 EGH414 EGH438	Medical Device Design Research Project 1 Stress Analysis Biomaterials
EGH400 -1 EGH414 EGH438 Year 5 - S EGH400	Medical Device Design Research Project 1 Stress Analysis Biomaterials Semester 2
EGH400 -1 EGH414 EGH438 Year 5 - S EGH400 -2	Medical Device Design Research Project 1 Stress Analysis Biomaterials Semester 2 Research Project 2
EGH400 -1 EGH414 EGH438 Year 5 - S EGH400 -2 EGH424	Medical Device Design Research Project 1 Stress Analysis Biomaterials Semester 2 Research Project 2 Biofluids Modelling and Simulation for

Semesters

- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
 Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1
- Year 5 Semester 2
- Year 6 Semester 1

Code	Title
Year 2 - 8	Semester 2
EGB121	Engineering Mechanics
MZB127	Engineering Mathematics and Statistics
Year 3 - S	Semester 1
EGB160	Process Principles
EGB161	Foundations of Engineering Chemistry
Year 3 - S	Semester 2
EGB263	Process Systems
EGB264	Engineering Chemistry
Year 4 - S	Semester 1
EGB261	Unit Operations
EGB323	Fluid Mechanics
Year 4 - 8	Semester 2
EGB364	Process Modelling
EGB322	Thermodynamics
Year 5 - 5	Semester 1
EGB361	Minerals Processing
EGH404	Research in Engineering Practice
Year 5 - S	Semester 2
EGH411	Sustainable Chemical Engineering in Practice
EGH422	Heat Transfer
EGH423	Fluid Dynamics
EGH462	Process Control
Year 6 - 5	Semester 1
EGB362	Operations Management and Process Economics
EGH408	Research Project
EGH463	Process Design

Semesters

Year 2 - Semester 2
Year 3 - Semester 1
Year 3 - Semester 2
Year 4 - Semester 1
Year 4 - Semester 2
Year 5 - Semester 1
Voor E Somester 2

- Year 5 Semester 2 Year 6 - Semester 1

Code Title

Year 2 - Semester 2	
EGB123	Civil Engineering Systems
EGB124	Engineering for the Environment
Year 3 - Semester 1	
MZB127	Engineering Mathematics and Statistics
EGB272	Traffic and Transport Engineering
Year 3 - Semester 2	
EGB121	Engineering Mechanics
EGB273	Principles of Construction
Year 4 - Semester 1	

EGB270	Civil Engineering Materials	
	v v	
EGB371	Engineering Hydraulics	
Year 4 - S	Semester 2	
EGB275	Structural Mechanics	
EGB373	Geotechnical Engineering	
Year 5 - 8	Semester 1	
EGB375	Design of Concrete Structures	
EGH404	Research in Engineering Practice	
Year 5 - S	Semester 2	
EGH471	Advanced Water Engineering	
EGH472	Advanced Highway and	
EGH472	Pavement Engineering	
EGH479	Advances in Civil Engineering Practice	
One Advanced Civil Unit from		
EGH475	Advanced Concrete Structures	
OR	Olidolalos	
EGH476	Advanced Water and Wastewater Engineering	
Year 6 - Semester 1		
EGB376	Steel Design	
EGH408	Research Project	
EGH473	Advanced Geotechnical Engineering	

Semesters

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- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1
 Year 5 Semester 2
- Year 6 Semester 1

Code	Title
Year 2 - 8	Semester 2
CAB201	Programming Principles
MZB127	Engineering Mathematics and Statistics
Year 3 - S	Semester 1
EGB120	Foundations of Electrical Engineering
MZB221	Electrical Engineering Mathematics
Year 3 - Semester 2	
CAB240	Information Security
EGB242	Signal Analysis
Year 4 - S	Semester 1
CAB202	Microprocessors and Digital Systems
CAB301	Algorithms and Complexity
Year 4 - Semester 2	
CAB403	Systems Programming
Intermediate Electrical Option Unit	
Year 5 - Semester 1	

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Bachiol		
EGB240	Electronic Design	
EGH404	Research in Engineering Practice	
Year 5 - S	Semester 2	
CAB432	Cloud Computing	
EGH400 -1	Research Project 1	
EGH455	Advanced Systems Design	
Advanced Computer & Software Systems Option Unit		
Year 6 - Semester 1		
CAB302	Software Development	
EGH400 -2	Research Project 2	
EGH456	Embedded Systems	
Advanced Computer & Software Systems Option Unit		
Advanced Computer & Software		

Semesters

- Year 2 Semester 2
- Year 3 Semester 1 ٠
- Year 3 Semester 2 •
- Year 4 Semester 1
- Year 4 Semester 2 Year 5 Semester 1 •
- Year 5 - Semester 2 •
- Year 6 Semester 1

Code	Title
Year 2 - S	Semester 2
EGB121	Engineering Mechanics
MZB127	Engineering Mathematics and Statistics
Year 3 - S	Semester 1
EGB120	Foundations of Electrical Engineering
CAB202	Microprocessors and Digital Systems
Year 3 - S	Semester 2
EGB242	Signal Analysis
MZB221	Electrical Engineering Mathematics
Year 4 - S	Semester 1
EGB240	Electronic Design
EGB241	Electromagnetics and Machines
Year 4 - S	Semester 2
EGB341	Energy Supply and Delivery
Intermedi	ate Electrical Option Unit (1)
Year 5 - S	Semester 1
EGB340	Design and Practice
EGH404	Research in Engineering Practice
Year 5 - S	Semester 2
EGH400 -1	Research Project 1
Intermediate Electrical Option Unit (2)	
Advanced Electrical Option Unit (1)	

Advanced	Electrical Option Unit (2)
Year 6 - 5	Semester 1
EGH400 -2	Research Project 2
Advanced Electrical Option Unit (3)	
Advanced	Electrical Option Unit (4)
Advanced	Electrical Option Unit (5)

Semesters

Co Ye

• Year	r 2 - Semester 2
• Year	r 3 - Semester 1
• Year	r 3 - Semester 2
• Year	r 4 - Semester 1
• Year	r 4 - Semester 2
• Year	r 5 - Semester 1
• Year	r 5 - Semester 2
• Year	r 6 - Semester 1
de	Title
ar 2 - S	Semester 2
B120	Foundations of Ele

EGB120	Foundations of Electrical Engineering
MZB127	Engineering Mathematics and Statistics
Year 3 - S	Semester 1
CAB202	Microprocessors and Digital Systems
EGB121	Engineering Mechanics
Year 3 - S	Semester 2
MZB221	Electrical Engineering Mathematics
EGB242	Signal Analysis
Year 4 - S	Semester 1
EGB240	Electronic Design
EGB243	Aircraft Systems and Flight
Year 4 - S	Semester 2
EGB346	Unmanned Aircraft Systems
EGB345	Control and Dynamic Systems
Year 5 - S	Semester 1
EGB349	Systems Engineering and Design Project
EGH445	Modern Control
Year 5 - 5	Semester 2
EGH404	Research in Engineering Practice
EGH446	Autonomous Systems
	Advanced Linmanned Aircraft

Advanced Unmanned Aircraft EGH450 Systems Intermediate Electrical and Aerospace

Unit Option

Year 6 - Semester 1	
EGH408	Research Project
Advanced Option	Electrical and Aerospace
Advanced Option	Electrical and Aerospace

Semesters

- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
 Year 5 Semester 1
- Year 5 Semester 2 •
- Year 6 Semester 1

	<u>lo-Semester 1</u>
Code	Title
Year 2 - S	Semester 2
EGB121	Engineering Mechanics
MZB127	Engineering Mathematics and Statistics
Year 3 - 5	Semester 1
EGB125	Design for Manufacture
EGB314	Solid Mechanics
Year 3 - 5	Semester 2
EGB210	Fundamentals of Mechanical Design
EGB211	Dynamics
Year 4 - 5	Semester 1
EGB321	Dynamics of Machines
EGB323	Fluid Mechanics
Year 4 - 5	Semester 2
EGB120	Foundations of Electrical Engineering
EGB322	Thermodynamics
Year 5 - 5	Semester 1
EGB316	Design of Machine Elements
EGH404	Research in Engineering Practice
Year 5 - 5	Semester 2
EGH400 -1	Research Project 1
EGH420	Mechanical Systems Design
EGH422	Heat Transfer
EGH423	Fluid Dynamics
Year 6 - 5	Semester 1
EGH400 -2	Research Project 2
EGB214	Materials and Manufacturing
EGH414	Stress Analysis
EGH421	Vibration and Control

Semesters

Code

Unit

Unit

- Year 2 Semester 2
- Year 3 Semester 1 Year 3 - Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- •
- Year 5 Semester 1 Year 5 Semester 2 .
- Year 6 - Semester 1

Engineering

Title

Year 2 - Semester 2 Foundations of Electrical EGB120



MZB127	Engineering Mathematics and Statistics
Year 3 - S	Semester 1
EGB121	Engineering Mechanics
MZB221	Electrical Engineering Mathematics
Year 3 - S	Semester 2
EGB211	Dynamics
CAB202	Microprocessors and Digital Systems
EGB242	Signal Analysis
Year 4 - S	Semester 1
EGB214	Materials and Manufacturing
CAB202	Microprocessors and Digital Systems
EGB220	Mechatronics Design 1
Year 4 - S	Semester 2
EGB320	Mechatronics Design 2
EGB345	Control and Dynamic Systems
Year 5 - S	Semester 1
EGH404	Research in Engineering Practice
EGB321	Dynamics of Machines
EGB314	Solid Mechanics
Year 5 - S	Semester 2
EGH400 -1	Research Project 1
EGH446	Autonomous Systems
EGH413	Advanced Dynamics
Advanced	d Electrical Option Unit
Intermedi	ate Electrical Option Unit
Year 6 - 5	Semester 1
EGH400 -2	Research Project 2
EGH419	Mechatronics Design 3
EGH445	Modern Control
EGH414	Stress Analysis

EGB210	Fundamentals of Mechanical Design
EGB211	Dynamics
Year 4 - S	Semester 1
EGB323	Fluid Mechanics
LQB187	Human Anatomy
Year 4 - S	Semester 2
EGB120	Foundations of Electrical Engineering
LSB231	Physiology
Year 5 - S	Semester 1
EGH404	Research in Engineering Practice
EGH414	Stress Analysis
Year 5 - S	Semester 2
EGH400 -1	Research Project 1
EGH418	Biomechanics
EGH424	Biofluids
EGH435	Modelling and Simulation for Medical Engineers
Year 6 - S	Semester 1
EGB214	Materials and Manufacturing
EGB319	Medical Device Design
EGH400 -2	Research Project 2
EGH438	Biomaterials

Semesters

• Year 2 - Semester 2

Advanced Electrical Option Unit

- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
 Year 4 Semester 2
- Year 5 Semester 1 Year 5 - Semester 2
- Year 6 Semester 1

Code	Title
Year 2 - Semester 2	
EGB121	Engineering Mechanics
MZB127	Engineering Mathematics and Statistics
Year 3 - Semester 1	
EGB125	Design for Manufacture
EGB314	Solid Mechanics
Year 3 - Semester 2	



Bachelor of Science (Honours)

Year	2022
QUT code	ST10
CRICOS	080487J
Duration (full-time)	1 year
Duration (part-time domestic)	2 years
Campus	Gardens Point
Domestic fee (indicative)	2022: CSP \$8,100 per year full-time (96 credit points)
International fee (indicative)	2022: \$39,600 per year full-time (96 credit points)
Total credit points	96
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Course Coordinator	Dr Konstantin Momot
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

or relevant discipline

plus

- Suitable honours topic
- Proposed honours supervisor

Places are subject to supervisor availability, infrastructure, and other required resources.

International Entry requirements Entry Requriements or relevant discipline plus

- Suitable honours topic
- Proposed honours supervisor

Places are subject to supervisor availability.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Overview

The Bachelor of Science (Honours) allows you to further develop specific areas of expertise in science by providing extended modern and rigorous training in science. It prepares you both for higherlevel graduate careers in industry and government and for research at PhD or Research Masters level.

Through a combination of research and advanced coursework units, you will pursue specialised studies in an area of mutual interest with a personal research mentor/supervisor. You will develop high level skills in a specific discipline area (Biological Science, Earth Science, Environmental Science, Chemistry or Physics) and acquire research skills appropriate to your discipline. Coursework units provide you the opportunity to develop much more advanced skills and knowledge compared with those built in the undergraduate course. You will design and undertake experimental programs in either laboratory or field settings to solve complex problems. A research project allows you to demonstrate your advanced academic capability and culminates in the completion of an honours thesis.

Course Design

Requirements for the completion of ST10 Bachelor of Science(Honours) (Study Area A) are as follows:

STUDY AREA A: 96 credit points (6 units) comprising One (1) Major from the following:

- Biological Sciences
- Chemistry
- Earth Science
- Environmental Science
- Physics

Each Major is comprised of the Core units Foundations of Research and Reviewing the Field, and the choice of either the *Expanded Research* Strand or the *Extended Coursework* Strand.

Each strand comprises of coursework and a major research project supervised by QUT staff.

Career Outcomes

Research, Graduate employment in industry or government.

Professional Recognition

Membership in professional organisations is not specifically tied to the completion of an Honours degree as entry requirements are met by the completion of the Bachelors degree.

Pathways to Further Study

The QUT Bachelor of Science (Honours) is located at Level 8 of the Australian Qualifications Framework (AQF). Honours provides the key research pathway to postgraduate study. The program is designed to easily articulate into a Master of Science (Research) with one year advanced standing or into a PhD (depending upon the level of Honours attained).

Domestic Course structure

You must complete 96 credit points (8 units) from one of the following study areas:

- Biological Sciences
- Chemistry
- Earth Science
- Environmental Science



Bachelor of Science (Honours)

• Physics

International Course

structure

You must complete 96 credit points (8 units) from one of the following study areas:

- Biological Sciences
- Chemistry
- Earth Science
- Environmental Science
 Device
- Physics

Sample Structure

Code	Title
Semester	1
STB403 -1	Honours Research Project 1
STB403 -2	Honours Research Project 2
STB403 -3	Honours Research Project 3
STB410	Advanced Techniques in Earth, Environmental and Biological Research
Semester	2
STB403 -4	Honours Research Project 4
STB403	
-5	Honours Research Project 5
-5 STB403 -6	Honours Research Project 5 Honours Research Project 6

Code	Title
Semester	r 1
STB403 -1	Honours Research Project 1
STB403 -2	Honours Research Project 2
STB412	Advanced Experimental Chemistry Techniques
STB403 -3	Honours Research Project 3
Semester	r 2
STB403 -4	Honours Research Project 4
STB403 -5	Honours Research Project 5
STB403 -6	Honours Research Project 6
STB413	Frontiers of Chemistry

Code	Title
Semester	· 1
STB403 -1	Honours Research Project 1
STB403	Honours Research Project 2

-2	
STB403 -3	Honours Research Project 3
STB410	Advanced Techniques in Earth, Environmental and Biological Research
Semester	r 2
STB403 -4	Honours Research Project 4
STB403 -5	Honours Research Project 5
STB403 -6	Honours Research Project 6
STB411	Advanced Topics in Earth, Environmental and Biological Research

Code	Title
Semester	1
STB403 -1	Honours Research Project 1
STB403 -2	Honours Research Project 2
STB403 -3	Honours Research Project 3
STB410	Advanced Techniques in Earth, Environmental and Biological Research
Semester	· 2
STB403 -4	Honours Research Project 4
STB403 -5	Honours Research Project 5
STB403 -6	Honours Research Project 6
STB411	Advanced Topics in Earth, Environmental and Biological Research

Code	Title
Semester	1
STB403 -1	Honours Research Project 1
STB403 -2	Honours Research Project 2
STB403 -3	Honours Research Project 3
Elective u	init
Semester	- 2
SEB403 -4	Honours Research Project-4
STB403 -5	Honours Research Project 5
STB403 -6	Honours Research Project 6
Elective u	init
	inits for ST10 Physics Major nd Sem 2)
PCN112	Medical Imaging Science

PCN113	Radiation Physics
PCN211	Physics of Medical Imaging
PCN212	Radiotherapy
STB414	Advanced Quantum Mechanics
STB415	Advances in Experimental Physics



Year	2022
QUT code	ST20
CRICOS	102820D
Duration (full-time)	4 years
Campus	Gardens Point
Domestic fee (indicative)	2022: CSP \$7,400 per year full-time (96 credit points)
International fee (indicative)	2022: \$39,800 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	February
Int. Start Months	February
Course Coordinator	Associate Professor Peter Prentis

Domestic Entry requirements Prerequisites

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C); and
- Mathematical Methods (Units 3 & 4, C); and
- Biology (Units 3 & 4, B); and
- completion of Year 12 or attained age 18 years.

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- One of Agricultural Science, Biology, Chemistry, Earth and Environmental Science, Marine Science, Physics, or Psychology (Units 3 & 4, C)
- Specialist Mathematics (Units 3 & 4, C)

International Entry requirements Academic entry requirements

You must be a current student completing Year 12 in Australia.

You will be considered solely on the basis of your ATAR or IB Diploma results.

Please refer to the <u>Guide to entry</u> thresholds.

Minimum English

requirements

Students must meet the English proficiency requirements.

IELTS (International Testing System)	English Language
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0



Year	2022
QUT code	ST20
CRICOS	102820D
Duration (full-time)	4 years
ATAR/Selection rank	90.00
Campus	Gardens Point
Domestic fee (indicative)	2022: CSP \$7,400 per year full-time (96 credit points)
International fee (indicative)	2022: \$39,800 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Associate Professor Peter Prentis
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Prerequisites

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C); and
- Mathematical Methods (Units 3 & 4, C); and
- Biology (Units 3 & 4, B); and
- You must be a 2021 Year 12 student or a recent Year 12 student returning from up to two gap years.

Assumed knowledge

Before you start this course, we assume you have sound knowledge of the subject/s listed below. If you don't have the subject knowledge, you can still apply for the course but we encourage you to undertake bridging studies to gain the knowledge:

- Specialist Mathematics (Units 3 & 4, C); and
- At least one of Agricultural Science, Chemistry, Earth and Environmental Science, Marine Science or Physics (Units 3 & 4, C).

Additional entry requirements

You must be a 2021 Year 12 student or a recent Year 12 student returning from up to two gap years.

Adjustments to your ATAR/selection rank

Elite Athlete Scheme adjustments do not apply to this course. Any other adjustment you receive to your ATAR or selection rank will be applied to this course.

Find out if you're eligible for an adjustment to your ATAR or selection rank

International Entry requirements Academic entry requirements

You must be a current student completing Year 12 in Australia.

You will be considered solely on the basis of your ATAR or IB Diploma results.

Please refer to the <u>Guide to entry</u> thresholds.

International Assumed knowledge

- Biology (Units 3 & 4, B)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International Testing System)	English Language
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

ST20 Bachelor of Science Advanced (Honours) comprises 384 credit points (32 units), including 4 core units (STB100, STB200, STB300 and a core option), 240 credit points (20 units) discipline specific major units (including 8 Honours level units) and 96 credit points (8 units) of complementary studies (2 minors).

The Biological Sciences Major consists of twenty (20) units [240cp]:

Biological Sciences Majors are also required to complete the following study area B components (Minors)

Statistical Modelling minor

and one minor (48 cp) from:

- Biotechnology and Genetics minor
- Wildlife Ecology Minor
- Advanced Science Minor

International Course structure

ST20 Bachelor of Science Advanced (Honours) comprises 384 credit points (32 units), including 4 core units (STB100, STB200, STB300 and a core option), 240 credit points (20 units) discipline specific major units (including 8 Honours level units) and 96 credit points (8 units) of complementary studies (2 minors).

The Biological Sciences Major consists of twenty (20) units [240cp]:

Biological Sciences Majors are also required to complete the following study area B components (Minors)

Statistical Modelling minor

and one minor (48 cp) from:

- Biotechnology and Genetics minor
- Wildlife Ecology Minor
- Advanced Science Minor

Sample Structure

The Biological Sciences major in the Bachelor of Science Advanced (Honours)



Bachelor of Science Advanced (Honours) (Biological Sciences)

is structured to provide high-achieving students with a strong applied knowledge of biology, building on foundational knowledge obtained in high school. The major will extend understanding of the structure, function and diversity of living things, from cells to whole organisms, including key areas of plant and animal biology and microbiology and the interaction with each other and the environment. The Biological Sciences major is complemented and extended with a minor in either Biotechnology & Genetics or Wildlife Ecology or a minor specifically tailored to future research goals. Students will study units in their first semester which help them identify which area they wish to pursue. By integrating theory and practice and with a strong focus on experimental design, students will learn to apply key biological principles to important areas such as conservation, food security and biotechnology that will lead to research opportunities third and fourth year research units. All students in the major will have the opportunity to participate in research-based activities in these or other key areas of biology through the ST20 core units and through extracurricular activities. Graduates of the Biological Science major will be skilled at the desk, in the laboratory and in the field with strong skills in one of the areas closely aligned to research. They will have advanced research skills and critical thinking ability needed to tackle real-world problems in biology and undertake cutting edge research. These attributes will support high-achieving students in postgraduate study and a research career.

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1 Year 2, Semester 2 ٠
- ٠
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1 Year 4, Semester 2

Code	Title
Year 1, S	emester 1
CVB103	Foundations of Chemistry
MXB100	Introductory Calculus and Algebra
BVB317	Principles of Genomics and Biotechnology
or	
BVB214	Vertebrate Life
Biology N	linor Unit 1
Year 1, Semester 2	
BVB201	Biological Processes
MXB107	Introduction to Statistical

	Modelling
STB100	Research Skills and
Biology M	Techniques linor Unit 2
Year 2, S	
1 ear 2, 0	Experimental Design and
BVB202	Quantitative Methods
BVB203	Plant Biology
BVB301	Animal Biology
	linor Unit 3
Year 2, S	emester 2
BVB204	Ecology
BVB313	Population Genetics and Molecular Ecology
MXB261	Modelling and Simulation Science
STB200	Advanced Research Skills and Techniques
Year 3, S	emester 1
BVB305	Microbiology and the Environment
MXB242	Regression and Design
STB310 -1	Science Research 1
Biological	Sciences Major Unit Option 1
Year 3, S	om o otor O
1 cai 3, 3	emester Z
STB300	Advanced Science Symposium
	Advanced Science
STB300 STB310 -2	Advanced Science Symposium
STB300 STB310 -2 Biology M	Advanced Science Symposium Science Research 2
STB300 STB310 -2 Biology M	Advanced Science Symposium Science Research 2 linor Unit 4 Sciences Major Unit Option 2
STB300 STB310 -2 Biology M Biological	Advanced Science Symposium Science Research 2 linor Unit 4 Sciences Major Unit Option 2 emester 1 Advanced Techniques in
STB300 STB310 -2 Biology M Biological Year 4, S	Advanced Science Symposium Science Research 2 linor Unit 4 Sciences Major Unit Option 2 emester 1 Advanced Techniques in Earth, Environmental and
STB300 STB310 -2 Biology M Biological Year 4, S STB410 STH420	Advanced Science Symposium Science Research 2 linor Unit 4 Sciences Major Unit Option 2 emester 1 Advanced Techniques in Earth, Environmental and Biological Research
STB300 -2 Biology W Biological Year 4, S STB410 STH420 -1 STH420	Advanced Science Symposium Science Research 2 linor Unit 4 Sciences Major Unit Option 2 emester 1 Advanced Techniques in Earth, Environmental and Biological Research Advanced Research 1
STB300 STB310 -2 Biology M Biological Year 4, S STB410 STH420 -1 STH420 -2 STH420 -2 STH420 -3	Advanced Science Symposium Science Research 2 linor Unit 4 Sciences Major Unit Option 2 emester 1 Advanced Techniques in Earth, Environmental and Biological Research Advanced Research 1 Advanced Research 2
STB300 STB310 -2 Biology M Biological Year 4, S STB410 STH420 -1 STH420 -2 STH420 -2 STH420 -3	Advanced Science Symposium Science Research 2 linor Unit 4 Sciences Major Unit Option 2 emester 1 Advanced Techniques in Earth, Environmental and Biological Research Advanced Research 1 Advanced Research 2 Advanced Research 3
STB300 STB310 -2 Biology M Biological Year 4, S STB410 STH420 -1 STH420 -2 STH420 -2 STH420 -3	Advanced Science Symposium Science Research 2 linor Unit 4 Sciences Major Unit Option 2 emester 1 Advanced Techniques in Earth, Environmental and Biological Research Advanced Research 1 Advanced Research 2 Advanced Research 3 emester 2
STB300 -2 Biology W Biological Year 4, S STB410 STH420 -1 STH420 -2 STH420 -3 Year 4, S	Advanced Science Symposium Science Research 2 linor Unit 4 Sciences Major Unit Option 2 emester 1 Advanced Techniques in Earth, Environmental and Biological Research Advanced Research 1 Advanced Research 2 Advanced Research 3 emester 2 Advanced Topics in Earth, Environmental and Biological
STB300 STB310 -2 Biology M Biological Year 4, S STB410 STH420 -1 STH420 -2 STH420 -3 Year 4, S STB411 STH420	Advanced Science Symposium Science Research 2 linor Unit 4 Sciences Major Unit Option 2 emester 1 Advanced Techniques in Earth, Environmental and Biological Research 1 Advanced Research 1 Advanced Research 2 Advanced Research 3 emester 2 Advanced Topics in Earth, Environmental and Biological Research
STB300 STB310 -2 Biology W Biological Year 4, S STB410 STH420 -1 STH420 -2 STH420 -3 Year 4, S STB411 STH420 -4 STH420	Advanced Science Symposium Science Research 2 linor Unit 4 Sciences Major Unit Option 2 emester 1 Advanced Techniques in Earth, Environmental and Biological Research Advanced Research 1 Advanced Research 2 Advanced Research 3 emester 2 Advanced Topics in Earth, Environmental and Biological Research Advanced Research 4



Year	2022
QUT code	ST20
CRICOS	102820D
Duration (full-time)	4 years
ATAR/Selection rank	90.00
Campus	Gardens Point
Domestic fee (indicative)	2022: CSP \$7,400 per year full-time (96 credit points)
International fee (indicative)	2022: \$39,800 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Associate Professor Peter Prentis
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Prerequisites

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C); and
- Mathematical Methods (Units 3 & 4, C); and
- Chemistry (Units 3 & 4, B)

Assumed knowledge

Before you start this course, we assume you have sound knowledge of the subject/s listed below. If you don't have the subject knowledge, you can still apply for the course but we encourage you to undertake bridging studies to gain the knowledge:

- Specialist Mathematics (Units 3 & 4, C); and
- At least one of Agricultural Science, Biology, Earth and Environmental Science, Marine Science or Physics (Units 3 & 4, C).

Additional entry requirements

You must be a 2021 Year 12 student or a recent Year 12 student returning from up to two gap years.

Adjustments to your ATAR/selection rank

Elite Athlete Scheme adjustments do not apply to this course. Any other adjustment you receive to your ATAR or selection rank will be applied to this course.

Find out if you're eligible for an adjustment to your ATAR or selection rank

International Entry requirements Academic entry requirements

You must be a current student completing Year 12 in Australia.

You will be considered solely on the basis of your ATAR or IB Diploma results.

Please refer to the <u>Guide to entry</u> thresholds.

International Assumed knowledge

- Chemistry (Units 3 & 4, B)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Domestic Course structure

ST20 Bachelor of Science Advanced (Honours) comprises 384 credit points (32 units), including 4 core units (STB100, STB200, STB300 and a core option), 240 credit points (20 units) discipline specific major units (including 8 Honours level units) and 96 credit points (8 units) of complementary studies (2 minors).

Study Area B requirements for a Chemistry Major are

Applied Mathematics minor

and one minor (48 cp) from:

- Analytical Chemistry extension
 minor
- Advanced Science minor

International Course structure

ST20 Bachelor of Science Advanced (Honours) comprises 384 credit points (32 units), including 4 core units (STB100, STB200, STB300 and a core option), 240 credit points (20 units) discipline specific major units (including 8 Honours level units) and 96 credit points (8 units) of complementary studies (2 minors).

Study Area B requirements for a Chemistry Major are

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and one minor (48 cp) from:

- Analytical Chemistry extension minor
- Advanced Science minor

Sample Structure

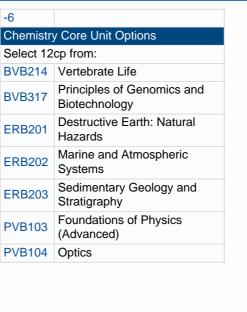
Semesters

- Year 1, Semester 1
- Year 1, Semester 2
 Year 2, Semester 1
- Year 2, Semester 1
 Year 2, Semester 2
- Year 2, Semester 2
 Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 1
- Chemistry Core Unit Options



Bachelor of Science Advanced (Honours) (Chemistry)

Code	Title	
	emester 1	
CVB103 Foundations of Chemistry		
Chemistry Major Unit Option 1		
Core Unit	•	
Maths Minor Unit (MXB100 or MXB106)		
Year 1, S	emester 2	
CVB204	Organic Structure and Mechanisms	
CVB210	Chemical Measurement Science	
Maths Mi	nor unit	
STB100	Research Skills and Techniques	
Year 2, S	emester 1	
CVB201	Inorganic Chemistry	
CVB202	Analytical Chemistry	
CVB301	Organic Chemistry: Strategies for Synthesis	
Maths Mi	nor unit	
Year 2, S	emester 2	
CVB203	Physical Chemistry	
CVB303	Coordination Chemistry	
CVB313	Environmental Analytical Chemistry	
STB200	Advanced Research Skills and Techniques	
Year 3, Semester 1		
Year 3, S	emester 1	
Year 3, S CVB212	emester 1 Industrial Analytical Chemistry	
CVB212	Industrial Analytical Chemistry	
CVB212 CVB302	Industrial Analytical Chemistry Applied Physical Chemistry	
CVB212 CVB302 CVB320 STB310 -1	Industrial Analytical Chemistry Applied Physical Chemistry Instrumental Analysis	
CVB212 CVB302 CVB320 STB310 -1	Industrial Analytical Chemistry Applied Physical Chemistry Instrumental Analysis Science Research 1 emester 2 Advanced Science	
CVB212 CVB302 CVB320 STB310 -1 Year 3, S	Industrial Analytical Chemistry Applied Physical Chemistry Instrumental Analysis Science Research 1 emester 2 Advanced Science Symposium	
CVB212 CVB302 CVB320 STB310 -1 Year 3, S STB300	Industrial Analytical Chemistry Applied Physical Chemistry Instrumental Analysis Science Research 1 emester 2 Advanced Science	
CVB212 CVB302 CVB320 STB310 -1 Year 3, S STB300 STB300 STB310 -2 Chemistr	Industrial Analytical Chemistry Applied Physical Chemistry Instrumental Analysis Science Research 1 emester 2 Advanced Science Symposium Science Research 2 y Major Unit Option 2	
CVB212 CVB302 CVB320 STB310 -1 Year 3, S STB300 STB300 STB310 -2 Chemistry Maths Mir	Industrial Analytical Chemistry Applied Physical Chemistry Instrumental Analysis Science Research 1 emester 2 Advanced Science Symposium Science Research 2 y Major Unit Option 2 nor Unit	
CVB212 CVB302 CVB320 STB310 -1 Year 3, S STB300 STB300 STB310 -2 Chemistry Maths Mir	Industrial Analytical Chemistry Applied Physical Chemistry Instrumental Analysis Science Research 1 emester 2 Advanced Science Symposium Science Research 2 y Major Unit Option 2 nor Unit emester 1	
CVB212 CVB302 CVB320 STB310 -1 Year 3, S STB300 STB300 STB310 -2 Chemistry Maths Mir	Industrial Analytical Chemistry Applied Physical Chemistry Instrumental Analysis Science Research 1 emester 2 Advanced Science Symposium Science Research 2 y Major Unit Option 2 nor Unit	
CVB212 CVB302 CVB320 STB310 -1 Year 3, S STB300 STB300 STB310 -2 Chemistry Maths Min Year 4, S	Industrial Analytical Chemistry Applied Physical Chemistry Instrumental Analysis Science Research 1 emester 2 Advanced Science Symposium Science Research 2 y Major Unit Option 2 nor Unit emester 1 Advanced Experimental	
CVB212 CVB302 CVB320 STB310 -1 Year 3, S STB300 STB300 STB310 -2 Chemistry Maths Min Year 4, S STB412 STB412	Industrial Analytical Chemistry Applied Physical Chemistry Instrumental Analysis Science Research 1 emester 2 Advanced Science Symposium Science Research 2 y Major Unit Option 2 nor Unit emester 1 Advanced Experimental Chemistry Techniques	
CVB212 CVB302 CVB320 STB310 -1 Year 3, S STB300 STB310 -2 Chemistry Maths Min Year 4, S STB412 STB412 STH420 -1 STH420	Industrial Analytical Chemistry Applied Physical Chemistry Instrumental Analysis Science Research 1 emester 2 Advanced Science Symposium Science Research 2 y Major Unit Option 2 nor Unit emester 1 Advanced Experimental Chemistry Techniques Advanced Research 1	
CVB212 CVB302 CVB320 STB310 -1 Year 3, S STB300 STB300 STB310 -2 Chemistry Maths Min Year 4, S STB412 STH420 -1 STH420 -2 STH420 -2	Industrial Analytical Chemistry Applied Physical Chemistry Instrumental Analysis Science Research 1 emester 2 Advanced Science Symposium Science Research 2 y Major Unit Option 2 nor Unit emester 1 Advanced Experimental Chemistry Techniques Advanced Research 1 Advanced Research 2	
CVB212 CVB302 CVB320 STB310 -1 Year 3, S STB300 STB300 STB310 -2 Chemistry Maths Min Year 4, S STB412 STH420 -1 STH420 -2 STH420 -2	Industrial Analytical Chemistry Applied Physical Chemistry Instrumental Analysis Science Research 1 emester 2 Advanced Science Symposium Science Research 2 y Major Unit Option 2 nor Unit emester 1 Advanced Experimental Chemistry Techniques Advanced Research 1 Advanced Research 2 Advanced Research 3	
CVB212 CVB302 CVB320 STB310 -1 Year 3, S STB300 STB310 -2 Chemistry Maths Min Year 4, S STB412 STH420 -1 STH420 -2 STH420 -3 Year 4, S	Industrial Analytical Chemistry Applied Physical Chemistry Instrumental Analysis Science Research 1 emester 2 Advanced Science Symposium Science Research 2 y Major Unit Option 2 nor Unit emester 1 Advanced Experimental Chemistry Techniques Advanced Research 1 Advanced Research 2 Advanced Research 3 emester 2	
CVB212 CVB300 STB310 -1 Year 3, S STB300 STB300 STB310 -2 Chemistry Maths Min Year 4, S STB412 STH420 -1 STH420 -2 STH420 -3 Year 4, S STB413 STH420	Industrial Analytical Chemistry Applied Physical Chemistry Instrumental Analysis Science Research 1 emester 2 Advanced Science Symposium Science Research 2 y Major Unit Option 2 nor Unit emester 1 Advanced Experimental Chemistry Techniques Advanced Research 1 Advanced Research 2 Advanced Research 3 emester 2 Frontiers of Chemistry	





Year	2022
QUT code	ST20
CRICOS	102820D
Duration (full-time)	4 years
ATAR/Selection rank	90.00
Campus	Gardens Point
Domestic fee (indicative)	2022: CSP \$7,400 per year full-time (96 credit points)
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Total credit points	384
Credit points full-time sem.	48
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Associate Professor Peter Prentis
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Prerequisites

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C); and
- At least one of Agricultural Science, Biology, Chemistry, Earth and Environmental Science, Marine Science or Physics (Units 3 & 4, B).
- Mathematical Methods (Units 3 & 4, C).

Assumed knowledge

Before you start this course, we assume you have sound knowledge of the subject/s listed below. If you don't have the subject knowledge, you can still apply for the course but we encourage you to undertake bridging studies to gain the knowledge:

- Specialist Mathematics (Units 3 & 4, C); and
- At least one of Agricultural Science, Biology, Chemistry, Earth and Environmental Science, Marine Science or Physics (Units 3 & 4, C) in addition to prerequisite.

Additional entry requirements

You must be a 2021 Year 12 student or a recent Year 12 student returning from up to two gap years.

Adjustments to your ATAR/selection rank

Elite Athlete Scheme adjustments do not apply to this course. Any other adjustment you receive to your ATAR or selection rank will be applied to this course.

Find out if you're eligible for an adjustment to your ATAR or selection rank

International Entry requirements Academic entry requirements

You must be a current student completing Year 12 in Australia.

You will be considered solely on the basis of your ATAR or IB Diploma results.

Please refer to the <u>Guide to entry</u> thresholds.

International Assumed knowledge

 Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C) One of Agricultural Science, Biology, Chemistry, Earth and Environmental Science, Marine Science or Physics (Units 3 & 4, B)

Minimum English

requirements Students must meet the English

proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

ST20 Bachelor of Science Advanced (Honours) comprises 384 credit points (32 units), including 4 core units (STB100, STB200, STB300 and a core option), 240 credit points (20 units) discipline specific major units (including 8 Honours level units) and 96 credit points (8 units) of complementary studies (2 minors).

The Earth Sciences Major consists of twenty (20) units [240cp]

Study Area B requirements for an Earth Sciences Major are:

Applied Mathematics Minor or

Statistical Modelling Minor

and one minor (48 cp) from

Geology extension minor or

Advanced Science minor

International Course

structure

ST20 Bachelor of Science Advanced (Honours) comprises 384 credit points (32 units), including 4 core units (STB100, STB200, STB300 and a core option), 240 credit points (20 units) discipline specific major units (including 8 Honours level units) and 96 credit points (8 units) of complementary studies (2 minors).

The Earth Sciences Major consists of twenty (20) units [240cp]

Study Area B requirements for an Earth Sciences Major are:

Applied Mathematics Minor or

Statistical Modelling Minor



Bachelor of Science Advanced (Honours) (Earth Science)

and one minor (48 cp) from

Geology extension minor or

Advanced Science minor

Sample Structure

Earth Science is critical for Australia's future sustainable development as our natural resources are a major building block of the nation's economy. Geoscientists play a leading role in finding, developing and managing these resources, as well as studying climate change and managing environmental issues, such as chronic water shortage, dry land salinity and coastal development.

An understanding of Planet Earth is fundamental to your career as a Scientist. Earth Science provides us with an understanding of Earth materials, the natural processes acting in and upon our planet, and its history. You will gain advanced skills needed to become a professional Earth Scientist with special emphasis on hands-on skills acquired through laboratory work and field studies for both resource exploration and management and environmental applications. The program provides you with particular strengths in the areas of sedimentary geology, structural geology, igneous processes and geology, hydrogeology, marine geology, and environmental geology - all these subject areas are of particular importance to Queensland and key industrial sectors that underpin our economy. The Earth Science major in the Bachelor of Science Advanced (Honours) will qualify you with an advanced and coherent knowledge in Earth Science.

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
 Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2

Code	Title
Year 1, Semester 1	
CVB103	Foundations of Chemistry
ERB202	Marine and Atmospheric Systems
ERB205	Earth Materials
Maths Minor Unit 1	
Year 1, Semester 2	
ERB203	Sedimentary Geology and Stratigraphy
ERB204	Deforming Earth: Fundamentals of Structural

	Geology
ERB206	Petrology
STB100	Research Skills and Techniques
Year 2, S	-
ERB201	Destructive Earth: Natural Hazards
ERB301	Chemical Earth
ERB302	Applied Geophysics
Maths Mir	
Year 2, S	emester 2
ERB303	Energy Resources and Basin Analysis
ERB306	Earth's Mineral Resources
STB200	Advanced Research Skills and Techniques
Maths Mir	nor Unit 3
Year 3, S	emester 1
ERB305	Geological Field Methods
STB310 -1	Science Research 1
Earth Scie	ence Major Unit Option 1
Maths Mir	nor Unit 4
Year 3, S	emester 2
ERB304	Dynamic Earth: Plate Tectonics
STB300	Advanced Science Symposium
STB310 -2	Science Research 2
Earth Scie	ence Major Unit Option 2
Year 4, S	emester 1
STB410	Advanced Techniques in Earth, Environmental and Biological Research
STH420 -1	Advanced Research 1
	Advanced Research 1
STH420 -2	Advanced Research 2
STH420	
STH420 -2 STH420 -3	Advanced Research 2
STH420 -2 STH420 -3	Advanced Research 2 Advanced Research 3
STH420 -2 STH420 -3 Year 4, S	Advanced Research 2 Advanced Research 3 emester 2 Advanced Topics in Earth, Environmental and Biological
STH420 -2 STH420 -3 Year 4, S STB411 STH420	Advanced Research 2 Advanced Research 3 emester 2 Advanced Topics in Earth, Environmental and Biological Research
STH420 -2 STH420 -3 Year 4, S STB411 STH420 -4 STH420	Advanced Research 2 Advanced Research 3 emester 2 Advanced Topics in Earth, Environmental and Biological Research Advanced Research 4



Year	2022
QUT code	ST20
CRICOS	102820D
Duration (full-time)	4 years
ATAR/Selection rank	90.00
Campus	Gardens Point
Domestic fee (indicative)	2022: CSP \$7,400 per year full-time (96 credit points)
International fee (indicative)	2022: \$39,800 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Associate Professor Peter Prentis
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Prerequisites

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C); and
- At least one of Agricultural Science, Biology, Chemistry, Earth and Environmental Science, Marine Science or Physics (Units 3 & 4, B).
- Mathematical Methods (Units 3 & 4, C).

Assumed knowledge

Before you start this course, we assume you have sound knowledge of the subject/s listed below. If you don't have the subject knowledge, you can still apply for the course but we encourage you to undertake bridging studies to gain the knowledge:

- Specialist Mathematics (Units 3 & 4, C); and
- At least one of Agricultural Science, Biology, Chemistry, Earth and Environmental Science, Marine Science or Physics (Units 3 & 4, C) in addition to prerequisite.

Additional entry requirements

You must be a 2021 Year 12 student or a recent Year 12 student returning from up to two gap years.

Adjustments to your ATAR/selection rank

Elite Athlete Scheme adjustments do not apply to this course. Any other adjustment you receive to your ATAR or selection rank will be applied to this course.

Find out if you're eligible for an adjustment to your ATAR or selection rank

International Entry requirements Academic entry requirements

You must be a current student completing Year 12 in Australia.

You will be considered solely on the basis of your ATAR or IB Diploma results.

Please refer to the <u>Guide to entry</u> thresholds.

International Assumed knowledge

 Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C) One of Agricultural Science, Biology, Chemistry, Earth and Environmental Science, Marine Science or Physics (Units 3 & 4, B)

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

ST20 Bachelor of Science Advanced (Honours) comprises 384 credit points (32 units), including 4 core units (STB100, STB200, STB300 and a core option), 240 credit points (20 units) discipline specific major units (including 8 Honours level units) and 96 credit points (8 units) of complementary studies (2 minors).

Study Area B requirements for an

- Environmental Science Major are:
 - Statistical Modelling minor

And one minor (48 cp from)

- Environmental Management Minor
- Advanced Science Minor

International Course

structure

ST20 Bachelor of Science Advanced (Honours) comprises 384 credit points (32 units), including 4 core units (STB100, STB200, STB300 and a core option), 240 credit points (20 units) discipline specific major units (including 8 Honours level units) and 96 credit points (8 units) of complementary studies (2 minors).

Study Area B requirements for an Environmental Science Major are:

Statistical Modelling minor

And one minor (48 cp from)

- Environmental Management Minor
- Advanced Science Minor

Sample Structure

The Environmental Science major in the Bachelor of Science Advanced (Honours) will qualify students with an advanced and coherent knowledge of environmental processes and systems. The study of Environmental Science provides an in depth knowledge of the Earth's natural



Bachelor of Science Advanced (Honours) (Environmental Science)

resources and an understanding of the mechanisms, natural processes and human impacts that shape environmental systems. Environmental Scientists play an integral role in managing Australia's future sustainable development, environment impacts and resource management while minimising impacts and degradation.

Within this major students will gain the skills required to pursue a career as a professional environmental scientist, science educator or resource manager. This will be achieved with an emphasis on developing theoretical understanding of environmental processes and systems together with hands-on skill development and hypothesis testing through practical and field studies. The major will provide students with particular strengths in the areas of land resources, environmental impacts, geographic information systems and field mapping, systems modelling and environmental management.

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1 Year 2, Semester 2 •
- ٠
- Year 3, Semester 1
- Year 3, Semester 2 Year 4, Semester 1 •
- Year 4, Semester 2

Code	Title	
Year 1, Semester 1		
CVB103	Foundations of Chemistry	
ERB201	Destructive Earth: Natural Hazards	
EVB203	Geospatial Information Science	
MXB100	Introductory Calculus and Algebra	
Year 1, S	emester 2	
EGB383	Environmental Resource Management	
ERB101	Earth Systems	
STB100	Research Skills and Techniques	
Statistica	Modelling Minor Unit 2	
Year 2, S	emester 1	
BVB202	Experimental Design and Quantitative Methods	
EGB274	Environmentally Sustainable Design	
EVB312	Soils and the Environment	
Statistica	Modelling Minor Unit 3	
Year 2, S	emester 2	
BVB204	Ecology	
EVB302	Environmental Pollution	
STB200	Advanced Research Skills	

	and Techniques	
Statistical Modelling Minor Unit 4		
Year 3, Semester 1		
BVB311	Conservation Biology	
PQB360	Introduction to Climate Change	
STB310 -1	Science Research 1	
Environm Option 1	ental Science Major Unit	
Year 3, S	emester 2	
ERB310		
STB300	Advanced Science Symposium	
STB310 -2	Science Research 2	
Environm Option 2	ental Science Major Unit	
Year 4, Semester 1		
Year 4, S	emester 1	
Year 4, S STB410	emester 1 Advanced Techniques in Earth, Environmental and Biological Research	
	Advanced Techniques in Earth, Environmental and	
STB410 STH420	Advanced Techniques in Earth, Environmental and Biological Research	
STB410 STH420 -1 STH420	Advanced Techniques in Earth, Environmental and Biological Research Advanced Research 1	
STB410 STH420 -1 STH420 -2 STH420 -3	Advanced Techniques in Earth, Environmental and Biological Research Advanced Research 1 Advanced Research 2	
STB410 STH420 -1 STH420 -2 STH420 -3	Advanced Techniques in Earth, Environmental and Biological Research Advanced Research 1 Advanced Research 2 Advanced Research 3	
STB410 STH420 -1 STH420 -2 STH420 -3 Year 4, S	Advanced Techniques in Earth, Environmental and Biological Research Advanced Research 1 Advanced Research 2 Advanced Research 3 emester 2 Advanced Topics in Earth, Environmental and Biological	
STB410 STH420 -1 STH420 -2 STH420 -3 Year 4, S STB411 STH420	Advanced Techniques in Earth, Environmental and Biological Research Advanced Research 1 Advanced Research 2 Advanced Research 3 emester 2 Advanced Topics in Earth, Environmental and Biological Research	



Year	2022
QUT code	ST20
CRICOS	102820D
Duration (full-time)	4 years
ATAR/Selection rank	90.00
Campus	Gardens Point
Domestic fee (indicative)	2022: CSP \$7,400 per year full-time (96 credit points)
International fee (indicative)	2022: \$39,800 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Associate Professor Peter Prentis
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Prerequisites

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C); and
- Mathematical Methods (Units 3 & 4, C); and
- Physics (Units 3 & 4, B)

Assumed knowledge

Before you start this course, we assume you have sound knowledge of the subject/s listed below. If you don't have the subject knowledge, you can still apply for the course but we encourage you to undertake bridging studies to gain the knowledge:

- Specialist Mathematics (Units 3 & 4, C); and
- At least one of Agricultural Science, Biology, Chemistry, Earth and Environmental Science, or Marine Science (Units 3 & 4, C).

Additional entry requirements

You must be a 2021 Year 12 student or a recent Year 12 student returning from up to two gap years.

Adjustments to your ATAR/selection rank

Elite Athlete Scheme adjustments do not apply to this course. Any other adjustment you receive to your ATAR or selection rank will be applied to this course.

Find out if you're eligible for an adjustment to your ATAR or selection rank

International Entry requirements Academic entry requirements

You must be a current student completing Year 12 in Australia.

You will be considered solely on the basis of your ATAR or IB Diploma results.

Please refer to the <u>Guide to entry</u> <u>thresholds</u>.

International Assumed knowledge

- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)
 Dhysiag (Units 2 & 4, P)
- Physics (Units 3 & 4, B)

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

ST20 Bachelor of Science Advanced (Honours) comprises 384 credit points (32 units), including 4 core units (STB100, STB200, STB300 and a core option), 240 credit points (20 units) Physics units (including 8 Honours level units) and 96 credit points (8 units) of complementary studies (2 minors).

Physics Majors are also required to complete the following study area B components (Minors)

• Mathematics for Physics minor

and one minor (48 cps) from:

- Astrophysics Minor
- Nanotechnology Minor
- Advanced Science minor

International Course structure

ST20 Bachelor of Science Advanced (Honours) comprises 384 credit points (32 units), including 4 core units (STB100, STB200, STB300 and a core option), 240 credit points (20 units) Physics units (including 8 Honours level units) and 96 credit points (8 units) of complementary studies (2 minors).

Physics Majors are also required to complete the following study area B components (Minors)

• Mathematics for Physics minor

and one minor (48 cps) from:

- Astrophysics Minor
- Nanotechnology Minor
- Advanced Science minor

Sample Structure Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
 Year 2, Semester 2
- Year 3, Semester 2
 Year 4, Semester 1



Bachelor of Science Advanced (Honours) (Physics)

• Year 4, Semester 2

Year 4, Semester 2		
Code	Title	
Year 1, S	emester 1	
CVB103	Foundations of Chemistry	
Maths Mi	nor Unit (MXB100 or MXB322)	
PVB103	Foundations of Physics	
DUDADA	(Advanced)	
PVB104	Optics emester 2	
	nor Unit (MXB103)	
	nor Unit (PVB200)	
	Research Skills and	
STB100	Techniques	
Physics M	/linor Unit	
Year 2, S	emester 1	
PVB202	Mathematical Methods in Physics	
PVB203	Experimental Physics	
PVB301	Materials and Thermal	
	Physics	
	/linor Unit	
	emester 2	
PVB204	Electromagnetism Advanced Research Skills	
STB200	and Techniques	
-	Ainor Unit	
-	/linor Unit	
	Semester 1	
Maths Mi	nor Unit (MXB201)	
PVB302	Classical and Quantum Physics	
PVB302 STB310 -1		
STB310 -1	Physics	
STB310 -1 Physics M	Physics Science Research 1	
STB310 -1 Physics M	Physics Science Research 1 //ajor Unit Option	
STB310 -1 Physics M Year 3, S	Physics Science Research 1 Major Unit Option emester 2 Advanced Science	
STB310 -1 Physics N Year 3, S STB300 STB310	Physics Science Research 1 Major Unit Option emester 2 Advanced Science Symposium	
STB310 -1 Physics N Year 3, S STB300 STB310 -2 PVB303	Physics Science Research 1 Major Unit Option emester 2 Advanced Science Symposium Science Research 2	
STB310 -1 Physics N Year 3, S STB300 STB310 -2 PVB303 Physics N	Physics Science Research 1 Major Unit Option emester 2 Advanced Science Symposium Science Research 2 Nuclear and Particle Physics	
STB310 -1 Physics N Year 3, S STB300 STB310 -2 PVB303 Physics N	Physics Science Research 1 Major Unit Option emester 2 Advanced Science Symposium Science Research 2 Nuclear and Particle Physics Major Unit Option	
STB310 -1 Physics N Year 3, S STB300 STB310 -2 PVB303 Physics N Year 4, S	Physics Science Research 1 Major Unit Option emester 2 Advanced Science Symposium Science Research 2 Nuclear and Particle Physics Major Unit Option emester 1 Advanced Quantum	
STB310 -1 Physics N Year 3, S STB300 STB310 -2 PVB303 Physics N Year 4, S STB414 STH420	Physics Science Research 1 Major Unit Option emester 2 Advanced Science Symposium Science Research 2 Nuclear and Particle Physics Major Unit Option emester 1 Advanced Quantum Mechanics	
STB310 -1 Physics N Year 3, S STB300 STB310 -2 PVB303 Physics N Year 4, S STB414 STH420 -1 STH420	Physics Science Research 1 Major Unit Option emester 2 Advanced Science Symposium Science Research 2 Nuclear and Particle Physics Major Unit Option emester 1 Advanced Quantum Mechanics Advanced Research 1	
STB310 -1 Physics N Year 3, S STB300 STB310 -2 PVB303 Physics N Year 4, S STB414 STH420 -1 STH420 -2 STH420 -2 STH420 -3	Physics Science Research 1 Major Unit Option emester 2 Advanced Science Symposium Science Research 2 Nuclear and Particle Physics Major Unit Option emester 1 Advanced Quantum Mechanics Advanced Research 1 Advanced Research 2	
STB310 -1 Physics N Year 3, S STB300 STB310 -2 PVB303 Physics N Year 4, S STB414 STH420 -1 STH420 -2 STH420 -2 STH420 -3	Physics Science Research 1 Major Unit Option emester 2 Advanced Science Symposium Science Research 2 Nuclear and Particle Physics Major Unit Option emester 1 Advanced Quantum Mechanics Advanced Research 1 Advanced Research 2 Advanced Research 3	
STB310 -1 Physics N Year 3, S STB300 STB310 -2 PVB303 Physics N Year 4, S STB414 STH420 -1 STH420 -2 STH420 -3 Year 4, S	Physics Science Research 1 Major Unit Option emester 2 Advanced Science Symposium Science Research 2 Nuclear and Particle Physics Major Unit Option emester 1 Advanced Quantum Mechanics Advanced Research 1 Advanced Research 2 Advanced Research 3 emester 2 Advances in Experimental	
STB310 -1 Physics N Year 3, S STB300 STB310 -2 PVB303 Physics N Year 4, S STB414 STH420 -1 STH420 -2 STH420 -3 Year 4, S STB415 STH420	Physics Science Research 1 Major Unit Option emester 2 Advanced Science Symposium Science Research 2 Nuclear and Particle Physics Major Unit Option emester 1 Advanced Quantum Mechanics Advanced Research 1 Advanced Research 2 Advanced Research 3 emester 2 Advances in Experimental Physics	

This information is correct as at 04/10/2022. For the most up-to-date course information, visit https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?courseCode=ST20&id=39054. CRICOS No.00213J

-5 STH420 -6 Advanced Research 6

Course Notes



Graduate Certificate in Business Analysis

Veet	2022
Year	2022
QUT code	IN14
CRICOS	0101552
Duration (full-time)	6 months
Duration (part-time domestic)	1 - 2 years
Campus	Gardens Point
Domestic fee (indicative)	2022: \$12,900 per year full-time (48 credit points)
International fee (indicative)	2022: \$17,400 per year full-time (48 credit points)
Total credit points	48
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February
Course Coordinator	For more information email: askqut@qut.edu.au; ph: 07 3138 2000
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

A recognised bachelor degree (or higher qualification) in information technology or related discipline; *or*

A recognised bachelor degree (or higher qualification) in any discipline *and* three years full-time (or equivalent) professional experience in an information technology related field; *or*

A recognised diploma (or higher qualification) in information technology or related discipline *and* at least two years full-time (or equivalent) professional work experience in an information technology related field; *or*

At least five years full-time (or equivalent) professional work experience in an information technology field.

International Entry requirements

A recognised bachelor degree (or higher qualification) in information technology or related discipline; *or*

A recognised bachelor degree (or higher qualification) in any discipline *and* three years full-time (or equivalent) professional experience in an information technology related field.*

*You must provide a detailed curriculum vitae and employer statements with your application. These must include your position details including your roles and specific responsibilities outlining your IT discipline knowledge and duties undertaken in IT projects. All work experience must be post degree studies.

Minimum English

requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

To graduate with a Certificate in Business Analysis you are required to complete 48 credit points of course units consisting of:

- 24 credit points of core units; plus
- 24 credit points of discipline option

units selected from an approved list of units.

International Course structure

To graduate with a Certificate in Business Analysis you are required to complete 48 credit points of course units consisting of:

- 24 credit points of core units; plus
- 24 credit points of discipline option units selected from an approved list of units.

Sample Structure

Code	Title	
Course Notes		
IFN515	Fundamentals of Business Process Management	
IFN562	Advanced Business Analysis	
Select 24 credit points from the Business Analysis Unit Options List:		
IFN521	Foundations of Decision Science	
IFN561	Enterprise Systems Lifecycle Management	
IFN619	Data Analytics for Strategic Decision Makers	
IFN623	Human Information Interaction and Retrieval	
IFN631	IT Governance	
IFN662	Enterprise Systems and Applications	



Graduate Certificate in Computer Science

Year	2022
QUT code	IN15
CRICOS	0101553
Duration (full-time)	6 months
Duration (part-time domestic)	1 - 2 years
Campus	Gardens Point
Domestic fee (indicative)	2022: \$12,900 per year full-time (48 credit points)
International fee (indicative)	2022: \$17,400 per year full-time (48 credit points)
Total credit points	48
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February
Course Coordinator	For more information email: askqut@qut.edu.au; ph: 07 3138 2000
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

A recognised bachelor degree (or higher qualification) in information technology or related discipline; *or*

A recognised bachelor degree (or higher qualification) in any discipline *and* three years full-time (or equivalent) professional experience in an information technology related field; *or*

A recognised diploma (or higher qualification) in information technology or related discipline *and* at least two years full-time (or equivalent) professional work experience in an information technology related field; *or*

At least five years full-time (or equivalent) professional work experience in an information technology field.

International Entry requirements

A recognised bachelor degree (or higher qualification) in information technology or related discipline; *or*

A recognised bachelor degree (or higher qualification) in any discipline *and* three years full-time (or equivalent) professional experience in an information technology related field.*

* You must provide a detailed curriculum vitae and employer statements with your application. These must include your position details including your roles and specific responsibilities outlining your IT discipline knowledge and duties undertaken in IT projects. All work experience must be post degree studies.

Minimum English

requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

To graduate with a Certificate in Computer Science you are required to complete 48 credit points of course units consisting of:

• 12 credit points of core units,

comprising of two 6 credit points units; plus

 36 credit points of discipline option units selected from an approved list of units.

International Course

structure

To graduate with a Certificate in Computer Science you are required to complete 48 credit points of course units consisting of:

- 12 credit points of core units, comprising of two 6 credit points units; plus
- 36 credit points of discipline option units selected from an approved list of units.

Sample Structure

Important Enrolment Information:

IFN563 and IFN564 are 6 credit points units and are delivered in 5 week teaching period. You must enrol in both units together - one in the first half of the semester and the other unit in the second half of the same semester.

- 5 Week A runs from week 1 to 5 of semester 1
- 5 Week B runs from week 9 to 13 of semester 1
- 5 Week C runs from week 1 in semester 2
- 5 Week D runs from week 9 in semester 2.

Due to the shorter timeframes involved the 5 Week sessions have different enrolment and <u>census dates</u>'.

Code	Title
Year 1, Semester 1	
IFN563	Object Oriented Design
IFN564	Data Structures and Algorithms
Select 36 credit points from the Computer Science Unit Options List:	
IFN507	Network Systems
IFN509	Data Exploration and Mining
IFN541	Information Security Management
IFN591	Principles of User Experience
IFN657	Principles of Software Security
IFN666	Web and Mobile Application Development



Graduate Certificate in Cyber Security and Networks

Veet	2022
Year	
QUT code	IN16
CRICOS	0101554
Duration (full-time)	6 months
Duration (part-time domestic)	12 months
Campus	Gardens Point
Domestic fee (indicative)	2022: \$12,900 per year full-time (48 credit points)
International fee (indicative)	2022: \$17,400 per year full-time (48 credit points)
Total credit points	48
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February
Course Coordinator	For more information email: askqut@qut.edu.au; ph: 07 3138 2000
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

A recognised bachelor degree (or higher qualification) in information technology or related discipline; *or*

A recognised bachelor degree (or higher qualification) in any discipline *and* three years full-time (or equivalent) professional experience in an information technology related field; *or*

A recognised diploma (or higher qualification) in information technology or related discipline *and* at least two years full-time (or equivalent) professional work experience in an information technology related field; *or*

At least five years full-time (or equivalent) professional work experience in an information technology field.

International Entry requirements

A recognised bachelor degree (or higher qualification) in information technology or related discipline; *or*

A recognised bachelor degree (or higher qualification) in any discipline *and* three years full-time (or equivalent) professional experience in an information technology related field.*

*You must provide a detailed curriculum vitae and employer statements with your application. These must include your position details including your roles and specific responsibilities outlining your IT discipline knowledge and duties undertaken in IT projects. All work experience must be post degree studies.

Minimum English

requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

To graduate with a Certificate in Cyber Security and Networks you are required to complete 48 credit points of course units consisting of:

36 credit pooints of core units; plus

 12 credit points of discipline option units selected from an approved list of units.

International Course structure

To graduate with a Certificate in Cyber Security and Networks you are required to complete 48 credit points of course units consisting of:

- 36 credit pooints of core units; plus
- 12 credit points of discipline option units selected from an approved list of units.

Sample Structure

Important Enrolment Information:

IFN563 and IFN564 are 6 credit points units and are delivered in 5 week teaching period. You must enrol in both units together - one in the first half of the semester and the other unit in the second half of the same semester.

- 5 Week A runs from week 1 to 5 of semester 1
- 5 Week B runs from week 9 to 13 of semester 1
- 5 Week C runs from week 1 in semester 2
- 5 Week D runs from week 9 in semester 2.

Due to the shorter timeframes involved the 5 Week sessions have different enrolment and <u>census dates</u>'.

Code	Title
Year 1, Semester 1	
IFN563	Object Oriented Design
IFN564	Data Structures and Algorithms
IFN507	Network Systems
IFN541	Information Security Management
Select 12 credit points from the Cyber Security and Networks Unit Options List:	
IFN591	Principles of User Experience
IFN657	Principles of Software Security



Year	2022
QUT code	IN17
CRICOS	086328J
Duration (full-time international)	6 months
International fee (indicative)	2022: \$16,300 per course (48 credit points)
Total credit points	48
Course Coordinator	Dr Hasmukh Morarji
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

International Entry requirements

A completed recognised bachelor degree in information technology with a minimum grade point average (GPA) score of 4.0 (on QUT's 7 point scale).

Pathway to the Master of Information Technology

 Graduate Certificate in Communication for Information Technology (IN17) (one semester) to <u>Master of Information Technology</u> (IN20) (three semesters)

Students with bachelor degrees in disciplines other than information technology may consider the <u>University</u> <u>Certificate in Tertiary Prepartion for</u> <u>Postgraduate Studies</u> (QC06) or <u>English</u> for Academic Purposes pathways.

Pathway to Master of Data Analytics

 Graduate Certificate in Communication for Information Technology (IN17) (one semester) leading to <u>Master of Data Analytics</u> (IN27) (three semesters)

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.0
Listening	5.0
Reading	5.5
Writing	5.5
Speaking	5.0

Successful completion of QUT's English for Academic Purposes (EAP)(Direct Stream) with 50% or better or QC32 English for Academic Purposes 2.

Course Design

The Graduate Certificate in Communication for Information Technology will provide you with core discipline studies and communication knowledge and skills.

The course structure consists of 48 credit points of units. There are two common core communications units (24cp) and two information technology unit options (24cp) from the following information technology areas: Computer Science/Data Science, Enterprise Systems, Networks, Security, or Business Process Management. NB: If you intend to follow a major pathway into IN20/21 MIT you should select the recommended IT units for those majors on commencment of IN17.

Pathways to Further Study

The QUT Graduate Certificate in Communication for Information Technology is located at Level 8 of the Australian Qualifications Framework (AQF). Eligible graduates may articulate from the Graduate Certificate in Communication for Information Technology into the related <u>IN20 Master</u> of Information Technology/<u>IN21 Master</u> of Information Technology - Graduate Entry course.

International Course structure

The course structure consists of 48 credit points of units. There are two common core communications units (24 credit points) and two information technology unit options (24 credit points) from the following information technology areas:

- computer science/software development
 - cyber security and networks
- business analysis
- business process management
- data science
- enterprise systems
- executive IT

NOTE: You should select the recommended IT units for your <u>chosen</u> <u>major</u> on commencement of IN17. Please contact the Course Coordinator for assistance with any IT unit selection.

Sample Structure Important Course Information

You should select the recommended IT units for your <u>chosen major</u> on commencement of IN17. Please contact the Course Coordinator for assistance with any IT unit selection.

Information Technology unit options are available from the following IT areas:

Business Process Management related units - IFN515, *IFN521, IFN562* Business Analysis related units -IFN561, IFN562, *IFN515, IFN521* Computer Science related units - IFN563 (6CP) + IFN564 (6CP), *IFN507, IFN509, IFN541, IFN591* Cyber Security & Networks related units -

Cyber Security & Networks related units - IFN507, IFN541, *IFN591*



Graduate Certificate in Communication for Information Technology

Data Science related units -IFN509, *IFN521* Software Development related units -IFN563 (6CP) + IFN564 (6CP) Enterprise Systems related units -IFN561, *FN515, IFN521, IFN541, IFN562* Executive IT related units -IFN561, *IFN521*

* Italics = option units in the MIT major

PLEASE NOTE: IFN563 and IFN564 are 6 credit point (cp) units (delivered in block mode - 5 week teaching period).

IMPORTANT: When you select a 6cp unit you must select another 6cp unit together with it. The units are delivered in 5 week teaching period:

- 5 Week A runs from week 1 to 5 of semester 1
- 5 Week B runs from week 9 to 13 of semester 1
- 5 Week C runs from week 1 in semester 2
- 5 Week D runs from week 9 in semester 2.

Due to the shorter timeframes involved the 5 Week sessions have different enrolment and <u>census dates</u>'.

Code	Title
UNIT LIS	T
Core units	S:
QCD111	Communication 1
QCD211	Communication 2
	ct 24 credit points from the uate Information Technology ons List:
IFN564	Data Structures and Algorithms
IFN563	Object Oriented Design
N	N563 and IFN564 are 6 credit its, hence the block delivery)
IFN507	Network Systems
IFN541	Information Security Management
IFN591	Principles of User Experience
IFN515	Fundamentals of Business Process Management
IFN521	Foundations of Decision Science
IFN562	Advanced Business Analysis
IFN561	Enterprise Systems Lifecycle Management
IFN509	Data Exploration and Mining
NOTE: If you select a 6 credit point unit, you must select another 6 credit point to ensure you meet the required course credit points. Example: IFN563 (6CP) + IFN564 (6CP).	



Year	2022
QUT code	IN18
CRICOS	0101555
Duration (full-time)	6 months
Duration (part-time domestic)	12 months
Campus	Gardens Point
Domestic fee (indicative)	2022: \$12,900 per year full-time (48 credit points)
International fee (indicative)	2022: \$17,400 per year full-time (48 credit points)
Total credit points	48
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February
Course Coordinator	Dr Hasmukh Morarji
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

A recognised bachelor degree (or higher qualification) in any discipline; *or*

A recognised diploma (or higher qualification) in any discipline and at least two years full-time (or equivalent) professional work experience in the information technology field; *or*

At least five years full-time (or equivalent) professional work experience in the information technology field.

International Entry requirements

A completed recognised bachelor degree (or higher) in any discipline.

Minimum English

requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

To graduate with a Certificate in Information Technology you are required to complete 48 credit points of course units consisting of:

 48 credit points of core units, comprising of eight 6 credit points of IT foundation units.

International Course structure

To graduate with a Certificate in Information Technology you are required to complete 48 credit points of course units consisting of:

• 48 credit points of core units, comprising of eight 6 credit points of IT foundation units.

Sample Structure

Note: These Foundation Units are 6 credit points unit and are delivered in 5 week teaching period.

- 5 Week A runs from week 1 to 5 of semester 1
- 5 Week B runs from week 9 to 13 of semester 1
- 5 Week C runs from week 1 in semester 2
- 5 Week D runs from week 9 in

semester 2.

When you enrol in a 6cp unit you must enrol in another 6cp unit together with it (one unit in 5-Week-A and the other in 5-Week-B for semester 1; and one unit in 5-Week-C and the other 5-Week-D for semester 2)

Due to the shorter timeframes involved the 5 Week sessions have different enrolment and <u>census dates</u>'.

Code	Title	
Year 1, S	Year 1, Semester 1	
IFN551	Computer Systems Fundamentals	
IFN552	Systems Analysis and Design	
IFN553	Introduction to Security and Networking	
IFN554	Databases	
IFN555	Introduction to Programming	
IFN556	Object Oriented Programming	
IFN557	Rapid Web Development	
IFN558	Management Information Systems	



Year	2022
QUT code	IN25
CRICOS	093729M
Duration (full-time)	6 months
Duration (part-time)	1 year
Campus	Gardens Point
Domestic fee (indicative)	2022: \$12,900 per course (48 credit points)
International fee (indicative)	2022: \$17,300 per course (48 credit points)
Total credit points	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February
Course Coordinator	Dr Syed Abbas Zaidi
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

A recognised bachelor degree (or higher qualification) in information technology or business

or

A recognised bachelor degree (or higher qualification) in any other discipline *plus* three years full-time (or equivalent) professional experience in information technology or business

or

A recognised diploma (or higher qualification) in information technology or business *plus* at least two years full-time (or equivalent) professional work experience in information technology or business

or

At least five years full-time (or equivalent) professional work experience in information technology or business

International Entry requirements

A completed recognised bachelor degree in the field of information technology or business; *or*

A completed recognised bachelor degree (or higher award) in any discipline and three years industry experience in business or information technology related fields.*

*You must provide a detailed curriculum vitae and employer statements with your application. These must include position details and roles and responsibilities. All work experience must be post degree studies.

Minimum English

requirements

Students must meet the English proficiency requirements.

IELTS (Internati Testing System)	onal English Language)
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

To be eligible for the Graduate Certificate in Business Process Management:

- students are required to complete 48 credit points of units.
- students must complete two core BPM units (24 credit points)
- students must take two units (24 credit points) of electives from the list of approved elective units provided.

International Course

structure

To be eligible for the Graduate Certificate in Business Process Management:

- students are required to complete 48 credit points of units.
- students must complete two core BPM units (24 credit points)
- students must take two units (24 credit points) of electives from the list of approved elective units provided.

Sample Structure

Code	Title
Year 1, Semester 1	
IFN515	Fundamentals of Business Process Management
IFN650	Business Process Analytics
OR	
IFN652	Enterprise Business Process Management
Select 24 credit points from the Business Process Management Unit Options List:	
IFN561	Enterprise Systems Lifecycle Management
IFN562	Advanced Business Analysis
IFN650	Business Process Analytics
IFN652	Enterprise Business Process Management
IFN653	Business Process Automation
Code	Titlo

Code	Title	
Year 1, S	emester 1	
IFN515	Fundamentals of Business Process Management	
IFN650	Business Process Analytics	
OR		
IFN652	Enterprise Business Process Management	
Year 1, Semester 2		
BPM Elective		
BPM Elective		



Graduate Certificate in Data Analytics

Year	2022
QUT code	IN26
CRICOS	098600K
Duration (full-time international)	6 months
Duration (part-time domestic)	1 - 2 years
Campus	Gardens Point
Domestic fee (indicative)	2022: \$12,800 per course (48 credit points)
International fee (indicative)	2022: \$17,200 per course (48 credit points)
Total credit points	48
Credit points full-time sem.	48
Credit points part-time sem.	24
Dom. Start Months	July, February If starting in February you can choose to enrol full- time and finish in 6 months
Course Coordinator	Associate Professor Yue Xu
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

A recognised bachelor degree (or higher qualification) in any discipline; *or*

A recognised diploma (or higher qualification) in any discipline *and* at least two years full-time (or equivalent) professional work experience as an analyst and/or in the information technology field; *or*

At least five years full-time (or equivalent) professional work experience as an analyst and/or in the information technology field.

International Entry requirements

A recognised bachelor degree (or higher qualification) in any discipline.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International Testing System)	English Language
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

You must complete 48 credit points of course units, consisting of:

• 1 core unit (12 credit points)

• 36 credit points of elective units selected from an approved list.

International Course structure

You must complete 48 credit points of course units, consisting of:

- 1 core unit (12 credit points)
- 36 credit points of elective units selected from an approved list.

Sample Structure

PLEASE NOTE: Elective units - IFN552, IFN554, IFN555 and IFN556 are 6 credit point (cp) units (delivered in block mode -5 week teaching period).

Important: When you select a

6cp unit you must select another 6cp unit (ideally one unit in first half of the semester and the other in the second half of the semester to balance enrolment load). IFN552. IFN554, IFN555 and IFN556 are delivered in 5 Week teaching sessions commencing in either week 1 or week 9 of semester 1 & 2:

- 5 Week A runs from week 1 to 5 of semester 1
- 5 Week B runs from week 9 to 13 of semester 1
- 5 Week C runs from week 1 in semester 2
- 5 Week D runs from week 9 in semester 2.

Due to the shorter timeframes involved the 5 Week sessions have different enrolment and <u>census dates</u>'.

Code	Title	
Unit Set		
IFN619	Data Analytics for Strategic Decision Makers	
PLUS Select 36 credit points from the Electives option list:		
guide to studies. choose c on your r	s are classified in streams as a assist you in focusing your You may wish to pick and combination of units depending needs and interests]	
IFN509	Data Exploration and Mining	
	data analysis/ data-driven/ data development focus)	
IFN515	Fundamentals of Business Process Management	
(IFN515: focus)	data-driven decision making	
IFN552	Systems Analysis and Design	
(IFN552+IFN556: data systems development focus/ IFN552+IFN554: data-driven decision making focus)		
IFN554	Databases	
systems	HFN555: data analysis/ data development focus/ IFN552 data-driven decision ocus)	
IFN555	Introduction to Programming	
systems	HFN554: data analysis/ data development focus/ IFN556: data-driven decision	
IFN556	Object Oriented Programming	
making f	IFN555: data-driven decision ocus/ IFN556+IFN552: data development focus)	

systems development focus)

MXN500 Statistical Data Analysis (MXN500: data analyst/ data-driven decision making/ data systems development)

Note:

IFN501 Programming Fundamental (data systems development focus) is



permitted to count towards the option if completed prior to 2020. It is replaced by IFN555 (6CP) and IFN556 (6CP) which are delivered in block mode - 5 week teaching period.

Year	2022
QUT code	IQ14
Duration (full-time domestic)	6 months
Duration (part-time domestic)	1 year
Domestic fee (indicative)	2022: \$12,900 per year full-time (48 credit points)
Total credit points	48
Dom. Start Months	October, July, April, February
Course Coordinator	
Discipline Coordinator	1300 110 918 help@qutonline.edu.au

Minimum English



Graduate Certificate in Computer Science

Year	2022
QUT code	IQ15
Duration (full-time domestic)	6 months
Duration (part-time domestic)	1 year
Domestic fee (indicative)	2022: \$12,900 per year full-time (48 credit points)
Total credit points	48
Dom. Start Months	October, July
Course Coordinator	
Discipline Coordinator	1300 110 918 help@qutonline.edu.au

Minimum English



Graduate Certificate in Cyber Security and Networks

Year	2022
QUT code	IQ16
Duration (full-time domestic)	6 months
Duration (part-time domestic)	1 year
Domestic fee (indicative)	2022: \$12,800 per year full-time (48 credit points)
Total credit points	48
Dom. Start Months	October, July, February
Course Coordinator	
Discipline Coordinator	1300 110 918 help@qutonline.edu.au

Minimum English



Graduate Certificate in Information Technology

Year	2022
QUT code	IQ18
Duration (full-time domestic)	6 months
Duration (part-time domestic)	1 year
Domestic fee (indicative)	2022: \$12,900 per year full-time (48 credit points)
Total credit points	48
Dom. Start Months	October, July, February
Course Coordinator	
Discipline Coordinator	1300 110 918 help@qutonline.edu.au

Minimum English



Year	2022
QUT code	IQ26
Duration (full-time domestic)	6 months
Duration (part-time domestic)	1 year
Domestic fee (indicative)	2022: \$12,500 per year full-time (48 credit points)
Total credit points	48
Dom. Start Months	October, July, April, February
Course Coordinator	
Discipline Coordinator	1300 110 918 help@qutonline.edu.au

Minimum English



Year	2022
QUT code	IN19
CRICOS	0101556
Duration (full-time domestic)	6 - 12 months
Duration (full-time international)	1 year
Duration (part-time domestic)	1 - 2 years
Campus	Gardens Point
Domestic fee (indicative)	2022: \$25,700 per year full-time (96 credit points)
International fee (indicative)	2022: \$34,700 per year full-time (96 credit points)
Total credit points	96
Credit points full-time sem.	96
Credit points part-time sem.	48
Start months	July, February
Int. Start Months	July, February
Course Coordinator	Dr Hasmukh Morarji
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

1 year program

- A recognised bachelor degree (or higher qualification) in any discipline; or
- A recognised diploma (or higher qualification) in information technology and at least two years full-time (or equivalent) professional work experience in the information technology field; *or*
- At least five years full-time (or equivalent) professional work experience in the information technology field

0.5 year program

 Successful completion of QUT's <u>IN18 Graduate Certificate in</u> Information Technology

International Entry requirements

1 year program

- A recognised bachelor degree (or higher qualification) in any discipline; or
- A recognised diploma (or higher qualification) in information technology and at least two years full-time (or equivalent) professional work experience in the information technology field; *or*
- At least five years full-time (or equivalent) professional work experience in the information technology field

0.5 year program

 Successful completion of QUT's <u>IN18 Graduate Certificate in</u> <u>Information Technology</u>

Minimum English

requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

To graduate with a Graduate Diploma in Information Technology you are required to complete 96 credit points of course units consisting of:

 48 credit points of core units, comprising of eight 6 credit points of

- IT foundation units; plus
- 48 credits points of discipline units from your chosen major selection.

Study Areas

Select a major from the following disciplines:

- Business Analysis
- Computer Science
- Cyber Security and Networks

International Course

structure

To graduate with a Graduate Diploma in Information Technology you are required to complete 96 credit points of course units consisting of:

- 48 credit points of core units, comprising of eight 6 credit points of IT foundation units; plus
- 48 credits points of discipline units from your chosen major selection.

Study Areas

Select a major from the following disciplines:

- Business Analysis
- Computer Science
- Cyber Security and Networks

Sample Structure

Note: These Foundation Units are 6 credit points unit and are delivered in 5 week teaching period.

- 5 Week A runs from week 1 to 5 of semester 1
- 5 Week B runs from week 9 to 13 of semester 1
- 5 Week C runs from week 1 in semester 2
- 5 Week D runs from week 9 in semester 2.

When you enrol in a 6cp unit you must enrol in another 6cp unit together with it (one unit in 5-Week-A and the other in 5-Week-B for semester 1; and one unit in 5-Week-C and the other 5-Week-D for semester 2)

Due to the shorter timeframes involved the 5 Week sessions have different enrolment and <u>census dates</u>'.

Code	Title
Year 1, Semester 1	
IFN551	Computer Systems Fundamentals
IFN552	Systems Analysis and Design
IFN553	Introduction to Security and Networking
IFN554	Databases
IFN555	Introduction to Programming



Graduate Diploma in Information Technology

IFN556	Object Oriented Programming
IFN557	Rapid Web Development
IFN558	Management Information Systems

Code	Title
Unit List	
IFN515	Fundamentals of Business Process Management
IFN561	Enterprise Systems Lifecycle Management
IFN562	Advanced Business Analysis
Select 12 credit points from the Business Analysis Unit Options List:	
IFN521	Foundations of Decision Science
IFN619	Data Analytics for Strategic Decision Makers
IFN631	IT Governance
IFN662	Enterprise Systems and Applications

Important Enrolment Information:

IFN563 and IFN564 are 6 credit points units and are delivered in 5 week teaching period. You must enrol in both units together - one in the first half of the semester and the other unit in the second half of the same semester.

- 5 Week A runs from week 1 to 5 of semester 1
- 5 Week B runs from week 9 to 13 of semester 1
- 5 Week C runs from week 1 in semester 2
- 5 Week D runs from week 9 in semester 2.

Due to the shorter timeframes involved the 5 Week sessions have different enrolment and <u>census dates</u>'.

Code	Title	
Unit List		
IFN563	Object Oriented Design	
IFN564	Data Structures and Algorithms	
Select 36 credit points from the Computer Science Unit Options List:		
IFN507	Network Systems	
IFN509	Data Exploration and Mining	
IFN541	Information Security Management	
IFN591	Principles of User Experience	
IFN666	Web and Mobile Application Development	

Important Enrolment Information:

IFN563 and IFN564 are 6 credit points units and are delivered in 5 week teaching period. You must enrol in both units together - one in the first half of the

This information is correct as at 04/10/2022. For the most up-to-date course information, visit https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?course?course?ln19&id=38974. CRICOS No.00213J

semester and the other unit in the second half of the same semester.

- 5 Week A runs from week 1 to 5 of semester 1
- 5 Week B runs from week 9 to 13 of semester 1
- 5 Week C runs from week 1 in semester 2
- 5 Week D runs from week 9 in semester 2.

Due to the shorter timeframes involved the 5 Week sessions have different enrolment and <u>census dates</u>'.

Code	Title		
Unit List			
IFN563	Object Oriented Design		
IFN564	Data Structures and Algorithms		
IFN507	Network Systems		
IFN541	Information Security Management		
	Select 12 credit points from the Cyber Security and Networks Unit Options List:		
IFN591	Principles of User Experience		
IFN657	Principles of Software Security		
LWQ70 2	Data Privacy and Security		



Graduate Diploma in Information Technology (Business Analysis)

Year	2022
QUT code	IQ19
Duration (full-time domestic)	1 year
Duration (part-time domestic)	2 years
Domestic fee (indicative)	2022: \$25,700 per year full-time (96 credit points)
Total credit points	96
Dom. Start Months	October, July, April, February
Course Coordinator	
Discipline Coordinator	1300 110 918 help@qutonline.edu.au

Minimum English



Graduate Diploma in Information Technology (Computer Science)

Year	2022
QUT code	IQ19
Duration (full-time domestic)	1 year
Duration (part-time domestic)	2 years
Domestic fee (indicative)	2022: \$25,700 per year full-time (96 credit points)
Total credit points	96
Dom. Start Months	October, July
Discipline Coordinator	1300 110 918 help@qutonline.edu.au

Minimum English



Graduate Diploma in Information Technology (Cyber Security and Networks)

Year	2022
QUT code	IQ19
Duration (full-time domestic)	1 year
Duration (part-time domestic)	2 years
Domestic fee (indicative)	2022: \$25,700 per year full-time (96 credit points)
Total credit points	96
Dom. Start Months	October, July, April, February
Discipline Coordinator	1300 110 918 help@qutonline.edu.au

Minimum English



Year	2022
QUT code	PH71
CRICOS	020315D
Duration (full-time)	1 year
Duration (part-time)	2 years
Campus	Gardens Point
Domestic fee (indicative)	2022: CSP \$7,600 per year full-time (96 credit points)
International fee (indicative)	2022: \$33,400 per year full-time (96 credit points)
Total credit points	96
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February
Course Coordinator	For more information email: askqut@qut.edu.au; ph: 07 3138 2000
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

A recognised bachelor degree (or higher qualification) in one of the following fields:

- Biomedical, medical, medical electronics etc engineering
- Biophysics
- Electrical, avionics etc engineering
- Geophysics
- Mechanical engineering
- Medical physics
- Physics

The following degrees (or higher qualification) are not acceptable:

- Biomedical science
- Laboratory science
- Medical imaging
- Radiotherapy
- Medical radiation
 Medical science

International Entry

requirements

Academic entry requirements A completed recognised bachelor degree (or higher award) in physics.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Career Outcomes

Graduates can seek employment in hospitals, health departments, tertiary institutions and medical instrumentation companies. Depending on the field of employment, graduates may be known as a medical physicist, health physicist or bio-engineer.

Professional medical/health physicists: - apply electronic tools and medical software, ultrasonics, radiation and computers to clinical and environmental problems

- monitor the environment to maintain acceptable standards in the workplace and the community

- apply fundamental physical research in development programs

- are responsible for calibration, care and maintenance of instruments and apparatus.

Course Design

Stage 1— Graduate Diploma (PH71) comprises assessed coursework such as advanced lectures, seminars, reading units or independent study. Full-time students will need an average of 14 hours a week of formal contact (seven hours for parttime students). Students can graduate with a Graduate Diploma in Medical Physics after satisfactory completion of Stage 1.

Stage 2— Master of Applied Science (PH80) students undertake a program of supervised research and investigation that can be completed at QUT or in a suitable external institution.

Professional Recognition

The course is accredited by the Australasian College of Physical Sciences and Engineers in Medicine.

Further Information

Science and Engineering Faculty - Phone +61 7 3138 8822, Email: sef.enguiry@gut.edu.au

Sample Structure

Code	Title	
Year 1, Semester 1 (February to June)		
ENN515	Total Quality Management	
LSN104	Advancing Anatomy and Physiology	
PCN113	Radiation Physics	
PCN211	Physics of Medical Imaging	
Year 1, Semester 2 (July to October)		
Year 1, S	emester 2 (July to October)	
Year 1, S PCN112	emester 2 (July to October) Medical Imaging Science	
PCN112		
PCN112	Medical Imaging Science	



Year	2022
QUT code	IN20
CRICOS	083059E
Duration (full-time domestic)	2 years
Duration (full-time international)	1.5 - 2 years
Duration (part-time domestic)	4 years
Campus	Gardens Point
Domestic fee (indicative)	2022: \$25,700 per year full-time (96 credit points)
International fee (indicative)	2022: \$34,700 per year full-time (96 credit points)
Total credit points	192
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February
Course Coordinator	Dr Hasmukh Morarji
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

2 year program

A recognised bachelor degree (or higher) in any discipline with a minimum grade point average (GPA) of 4.00 (on QUT's 7 point scale).

1.5 year program

- A recognised bachelor degree (or higher) in information technology with a minimum grade point average (GPA) score of 4.00 (on QUT's 7 point scale); or
- A recognised bachelor degree in any other discipline with a minimum grade point average (GPA) score of 4.00 (on QUT's 7 point scale) *plus* 3 full-time years (or equivalent) of professional work experience in information technology.

1 year program

- A recognised bachelor honours degree in information technology with a minimum grade point average of 4.00 (on QUT's 7 point scale); *or*
- A recognised graduate diploma (or higher) in information technology with a minimum grade point average of 4.00 (on QUT's 7 point scale); or
- A recognised bachelor degree (or higher) in information technology with a minimum grade point average (GPA) score of 4.00 (on QUT's 7 point scale) *plus* completion with a minimum grade point average (GPA) score of 4.00 of one of QUT's:
- Graduate Certificate in Business
 <u>Analysis</u>
- Graduate Certificate in Computer Science
- Graduate Certificate in Cyber Security and Networks

International Entry requirements

2 year program

A completed recognised bachelor degree in any discipline with a minimum grade point average of 4.0 (on QUT's 7 point scale).

1.5 year program*

A completed recognised bachelor degree in information technology with a minimum grade point average of 4.0 (on QUT's 7 point scale); *or*

A completed recognised graduate certificate in information technology with a minimum grade point average of 4.0 (on QUT's 7 point scale). 1 year program*

A completed Australian honours bachelor degree in information technology with a minimum grade point average of 4.0 (on QUT's 7 point scale); *or*

A completed recognised graduate diploma in information technology with a minimum grade point average of 4.0 (on QUT's 7 point scale).

*Note: As part of QUT's application for admission process, you will be automatically assessed for the 1.5 or 1 year program, if eligible. If you wish to be considered for the 2 year program only, please indicate this on your application form.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

If you have an IELTS score of 6 (with Reading and Writing no less than 5.5) and (Listening and Speaking no less than 5) (or accepted equivalent), you may be considered for the Graduate Certificate in Communication for Information Technology pathway.

Course Overview

Graduates of the Master of IT degree will have the specialist knowledge and skills required for senior IT-related professional positions (both technical and managerial). The range of majors offered within the degree opens opportunities for students across the IT sector.

Students who graduate from this degree will have the ability to demonstrate advanced knowledge, based on research practices, in at least one IT discipline. They will undertake a significant research-based project that allows them to constructively apply the analytical skills they develop within an IT problem domain. The course will provide students with the ability to formulate best practice IT strategies and solutions and during this process create new IT discipline knowledge.



The degree aims to prepare students for work in a specialist IT area through a program of study that balances theoretical content, project-based experiences and industry-oriented perspectives.

Core Units

Students must complete core units in Research Based Practice, Project Management and a major Project or 2 small Projects on the approval of their Course Coordinator.

Majors

Students may select a major of 48 credit points from the following disciplines;

* Data Science

The data science major provides you with the knowledge and skills to extract information from large, complex and disparate data sets, using leading edge algorithms and tools.

* Enterprise Systems

Enterprise systems are engineered information systems that consist of applications and associated information, forming the fundamental structure of organisational processes in most large organisations. Enterprise systems provide comprehensive administrative systems and help to automate and streamline business processes.

* Security

The Security major provides you with the skills and knowledge appropriate for a information security professional. You will develop skills in risk management security policies and be aware of the technocal security mechanisms and issues.

* Computer Science

The computer science major extends your understanding of computer programming beyond being a mere user of programming language to an appreciation of their design and implementation.

* Business Process Management

The Business Process Management Major will provide graduates with complementary skills and knowledge to create and align information systems to effectively support business and enable business strategy.

* Networks

The Networks major provides you with the practical skills and theoretical knowledge required by a network administrator. You will gain experience with designing, implementing and maintaining network systems for a wide range of organisations.

* Human Computer Interaction

The HCI major develops the advanced knowledge & skills in human-centred design activities involving emerging technologies in order to create new forms of human-computer interaction.

* Information Management

The Information Management major provides you with the skills and knowledge to find employment in the information management industry. You will gain awareness of the activities in which information management professionals are engaged, in various organisational contexts.

* No Major

Students may select any 4 Advanced level units

Masters Strand Options

Students must complete 72 credit points from the Transition/Advanced Unit Options

Course Completion Rules

Students should meet the following requirements before they are able to complete the Masters program:

For students with an undergraduate degree in an IT-related field wishing to complete the 2 year MIT:

• Students are required to complete 192 credit points of units.

• Students are required to complete the specified core units.

• Students wishing to specialise must complete the specific unit requirements for a major.

• Students wishing to complete their postgraduate studies without a single area of specialisation must satisfy the unit requirements for graduation with no major.

• Students may be allowed to take up to 72 credit points of electives from the list of approved elective units provided.

Entry Requirements

A completed recognised Level 7 Bachelor Degree in any discipline with a minimum GPA of 4 (on a 7 point scale).

IELTS overall band score of 6.5 with no sub-band below 6.0, or equivalent.

Students who have completed a recognised Level 7 Bachelor Degree in the field of Information Technology and are eligible to enter IN21 (graduate entry) MUST indicate 2 year entry option at point of application.

Domestic Course structure

To meet the course requirements for the Master of Information Technology (Study Area A) you are required to complete 192 credit points of course units consisting of:

- 96 credit points of core units, which includes 48 credit points of IT foundation units, and 2 x 24 credit points of industry and research based project units.
- 60 credit points of discpline units from your selected Major.
- 36 credit points of IT related elective units selected from an approved list of units, which is drawn from units offered in each of the IT majors. The unit choices allow you to explore an area in more depth (e.g., Software Development, Data Science), or provide the opportunity for you to develop a breadth of understanding (e.g., Business Analysis, Computer Science).

International Course

structure

To meet the course requirements for the Master of Information Technology (Study Area A) you are required to complete 192 credit points of course units consisting of:

- 96 credit points of core units, which includes 48 credit points of IT foundation units, and 2 x 24 credit points of industry and research based project units.
- 60 credit points of discpline units from your selected Major.
- 36 credit points of IT related elective units selected from an approved list of units, which is drawn from units offered in each of the IT majors. The unit choices allow you to explore an area in more depth (e.g., Software Development, Data Science), or provide the opportunity for you to develop a breadth of understanding (e.g., Business Analysis, Computer Science).

Sample Structure

Code	Title	
Year 1, S	Year 1, Semester 1 or Semester 2	
IFN551	Computer Systems Fundamentals	
IFN552	Systems Analysis and Design	
IFN553	Introduction to Security and Networking	
IFN554	Databases	
IFN555	Introduction to Programming	
IFN556	Object Oriented Programming	
IFN557	Rapid Web Development	
IFN558	Management Information Systems	



IN20MJR-BUSANAL (60cp)

Semesters

- February 2-year-entry/ July 1.5year-entry commencements
- Year 1, Semester 2 Year 2, Semester 1
- ٠
- Year 2, Semester 2
- July 2-year-entry/ February 1.5year-entry commencements •
- Year 2, Semester 1 ٠
- Year 2, Semester 2 • Year 3, Semester 1
- •
- **Business Analysis Unit Options** . Select 24 credit points from the
- **Business Analysis Unit Options List:**

Code	Title	
	2-year-entry/ July 1.5-year-	
	nmencements	
	emester 2	
	Enterprise Systems Lifecycle	
IFN561	Management	
IFN562	Advanced Business Analysis	
MIT Elect	tive Unit	
MIT Elect	tive Unit	
Year 2, S	emester 1	
IFN711	IT Industry Project	
Business	Analysis Option unit	
Business	Analysis Option unit	
Year 2, S	emester 2	
IFN712	Research in IT Practice	
IFN663	Advanced Enterprise	
	Architecture	
MIT Elect		
	ar-entry/ February 1.5-year-	
real 2, 3	emester 1	
IFN561	Enterprise Systems Lifecycle Management	
IFN562	Advanced Business Analysis	
MIT Elect	tive Unit	
MIT Elect	tive Unit	
Year 2, S	emester 2	
IFN712	Research in IT Practice	
IFN663	Advanced Enterprise Architecture	
Business	Analysis Option unit	
Year 3, Semester 1		
IFN711	IT Industry Project	
Business	Analysis Option unit	
MIT Elect	, i	
Business	Analysis Unit Options	
Select 24	credit points from the	
Business	Analysis Unit Options List:	
IFN515	Fundamentals of Business Process Management	
IFN521	Foundations of Decision Science	

IFN619	Data Analytics for Strategic Decision Makers
IFN623	Human Information Interaction and Retrieval
IFN650	Business Process Analytics
IFN662	Enterprise Systems and Applications

IN20MJR-BUSPMGT (60cp)

Semesters

- February 2-year-entry/ July 1.5year-entry commencements
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- July 2-year-entry/ February 1.5-٠ year-entry commencements
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- **Business Process Management Unit** . Options
- Select 12 credit points from the Business Process Management Unit **Options List:**

Code	Title	
	2-year-entry/ July 1.5-year-	
entry commencements		
Year 1, Semester 2		
IFN515	Fundamentals of Business Process Management	
MIT Elective Unit		
MIT Elective Unit		
MIT Elect	ive Unit	
Year 2, S	emester 1	
IFN711	IT Industry Project	
IFN650	Business Process Analytics	
Business Unit	Process Management Option	
Year 2, S	emester 2	
IFN712	Research in IT Practice	
IFN652	Enterprise Business Process Management	
IFN653	Business Process Automation	
July 2-year-entry/ February 1.5-year- entry commencements		
Year 2, S	emester 1	
IFN515	Fundamentals of Business Process Management	
MIT Elect	ive Unit	
MIT Elect	ive Unit	
MIT Elective Unit		
Year 2, S	emester 2	
IFN712	Research in IT Practice	
IFN652	Enterprise Business Process Management	
IFN653	Business Process Automation	
Year 3, S	emester 1	

IFN711	IT Industry Project		
IFN650	Business Process Analytics		
Business Process Management Option Unit			
Business Options	Process Management Unit		
Select 12 credit points from the Business Process Management Unit Options List:			
IFN521	Foundations of Decision Science		
IFN562	Advanced Business Analysis		
IFN619	Data Analytics for Strategic Decision Makers		
IFN623	Human Information Interaction and Retrieval		

IN20MJR-COMPSC

IFN663

Important Enrolment Information:

Architecture

IFN563 and IFN564 are 6 credit points units and are delivered in 5 week teaching period. You must enrol in both units together - one in the first half of the semester and the other unit in the second half of the same semester.

Advanced Enterprise

- 5 Week A runs from week 1 to 5 of semester 1
- 5 Week B runs from week 9 to 13 of semester 1
- 5 Week C runs from week 1 in semester 2
- 5 Week D runs from week 9 in semester 2.

Due to the shorter timeframes involved the 5 Week sessions have different enrolment and census dates'.

Semesters

- February 2-year-entry/ July 1.5year-entry commencements
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- July 2-year-entry/ February 1.5year-entry commencements
- Year 2, Semester 1
- Year 2, Semester 2
 Year 3, Semester 1
- <u>Computer Science Unit Options</u>
- Select 36 credit points from the Computer Science Unit Options List:

Code	Title		
February 2-year-entry/ July 1.5-year- entry commencements			
Year 1, Semester 2			
IFN563	Object Oriented Design		
IFN564	Data Structures and Algorithms		



Master	or mormation recimology
MIT Elect	ive Unit
MIT Elect	ive Unit
MIT Elect	ive Unit
Year 2, S	emester 1
IFN711	IT Industry Project
IFN664	Advanced Algorithms and Computational Complexity
Compute	r Science Option Unit
Year 2, S	emester 2
IFN712	Research in IT Practice
Compute	r Science Option Unit
Compute	r Science Option Unit
July 2-yea	ar-entry/ February 1.5-year-
entry com	nmencements
Year 2, S	emester 1
IFN563	Object Oriented Design
IFN564	Data Structures and Algorithms
MIT Elect	ive Unit
MIT Elect	ive Unit
MIT Elect	ive Unit
Year 2, S	emester 2
IFN712	Research in IT Practice
Compute	r Science Option Unit
Compute	r Science Option Unit
Year 3, S	emester 1
IFN711	IT Industry Project
IFN664	Advanced Algorithms and Computational Complexity
Compute	r Science Option Unit
Compute	r Science Unit Options
Select 36	credit points from the
Compute	r Science Unit Options List:
IFN507	Network Systems
IFN509	Data Exploration and Mining
IFN541	Information Security Management
IFN591	Principles of User Experience
IFN644	Network Operations and Security
IFN647	Text, Web and Media Analytics
IFN648	Applied Cryptography
IFN657	Principles of Software Security
IFN666	Web and Mobile Application Development
IFN680	Artificial Intelligence and Machine Learning
IFN692	Interaction Design for Emerging Technologies

IN20MJR-SECUR v2> (60cp)

Semesters

 February 2-year-entry/ July 1.5year-entry commencements

This information is correct as at 04/10/2022. For the most up-to-date course information, visit https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?courseCode=IN20&id=38975. CRICOS No.00213J

- Year 2, Semester 1
- Year 2, Semester 2
- July 2-year-entry/ February 1.5-. year-entry commencements
- Year 2, Semester 1
 Year 2, Semester 2
- Year 3, Semester 1
- ٠
- Cyber Security and Networks Unit Options
- Select 12 credit points from the Cyber Security and Networks Unit **Options List:**

Code	Title	
February 2-year-entry/ July 1.5-year-		
entry com	imencements	
Year 1, S	emester 2	
IFN507	Network Systems	
IFN541	Information Security Management	
MIT Elect	ive Unit	
MIT Elect	ive Unit	
Year 2, S	emester 1	
IFN711	IT Industry Project	
IFN648	Applied Cryptography	
Cyber Se Unit	curity and Networks Option	
Year 2, S	emester 2	
IFN712	Research in IT Practice	
IFN649	Advanced Networks	
MIT Elect	ive Unit	
	ar-entry/ February 1.5-year-	
entry com	imencements	
Year 2, S	emester 1	
IFN541	Information Security Management	
MIT Elect	ive Unit	
MIT Elect	ive Unit	
MIT Elect	ive Unit	
Year 2, S	emester 2	
IFN712	Research in IT Practice	
IFN507	Network Systems	
IFN649	Advanced Networks	
Year 3, S	emester 1	
IFN711	IT Industry Project	
IFN648	Applied Cryptography	
Cyber Security and Networks Option Unit		
Options	curity and Networks Unit	
	credit points from the Cyber	
Security a	and Networks Unit Options List:	
ENN523	Advanced Network Engineering	
ENN524	Mobile Network Engineering	
IFN591	Principles of User Experience	
IFN657	Principles of Software Security	

IN20MJR-DATASC (60cp)

Semesters

- February 2-year-entry/ July 1.5year-entry commencements
- Year 1, Semester 2
 Year 2, Semester 1
- Year 2, Semester 2
- July 2-year-entry/ February 1.5year-entry commencements
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Data Science Unit Options
- Select 48 credit point from the Data Science Major Unit Options List:

Code	Title	
February	2-year-entry/ July 1.5-year-	
entry com	imencements	
Year 1, S	emester 2	
IFN509	Data Exploration and Mining	
MIT Elect	ive Unit	
MIT Elect	ive Unit	
MIT Elect	ive Unit	
Year 2, S	emester 1	
IFN711	IT Industry Project	
Data Scie	ence Option Unit	
Data Scie	ence Option Unit	
Year 2, S	emester 2	
IFN712	Research in IT Practice	
Data Scie	ence Option Unit	
Data Scie	ence Option Unit	
July 2-yea	ar-entry/ February 1.5-year-	
entry corr	imencements	
Year 2, S	emester 1	
IFN509	Data Exploration and Mining	
MIT Elect	ive Unit	
MIT Elect	ive Unit	
MIT Elect	ive Unit	
Year 2, S	emester 2	
IFN712	Research in IT Practice	
Data Scie	ence Option Unit	
Data Science Option Unit		
Year 3, S	emester 1	
IFN711	IT Industry Project	
Data Scie	ence Option Unit	
Data Scie	ence Option Unit	
Data Science Unit Options		
Select 48 credit point from the Data		
Science N	Aajor Unit Options List:	
IFN521	Foundations of Decision Science	
IFN619	Data Analytics for Strategic Decision Makers	
IFN645	Large Scale Data Mining	
IFN646	Biomedical Data Science	
IFN647	IFN647 Text, Web and Media Analytics	
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IFN680 Artificial Intelligence Machine Learning	e and
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IN20MJR-ENTSYS (60cp)

Semesters

- February 2-year-entry/ July 1.5year-entry commencements
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2 .
- July 2-year-entry/ February 1.5year-entry commencements
- Year 2, Semester 1
- Year 2, Semester 2 .
- Year 3, Semester 1
- . Enterprise Systems Unit Options Select 12 credit points from the Enterprise Systems Unit Options List:

LIST	L	
Code	Title	
	2-year-entry/ July 1.5-year- nmencements	
Year 1, S	Semester 2	
IFN561	Enterprise Systems Lifecycle Management	
MIT Elec	tive Unit	
MIT Elec	tive Unit	
MIT Elec	tive Unit	
Year 2, S	Semester 1	
IFN711	IT Industry Project	
IFN662	Enterprise Systems and Applications	
IFN667	Enterprise IoT Systems	
Year 2, S	Semester 2	
IFN712	Research in IT Practice	
IFN663	Advanced Enterprise Architecture	
Enterpris	e Systems Option Unit	
July 2-year-entry/ February 1.5-year- entry commencements		
entry con		
entry con	nmencements	
entry con Year 2, S	nmencements Semester 1 Enterprise Systems Lifecycle Management	
entry con Year 2, S IFN561	nmencements Semester 1 Enterprise Systems Lifecycle Management tive Unit	
entry con Year 2, S IFN561 MIT Elec MIT Elec MIT Elec	Ammencements Semester 1 Enterprise Systems Lifecycle Management tive Unit tive Unit tive Unit	
entry con Year 2, S IFN561 MIT Elec MIT Elec Year 2, S	Ammencements Semester 1 Enterprise Systems Lifecycle Management tive Unit tive Unit tive Unit tive Unit semester 2	
entry con Year 2, S IFN561 MIT Elec MIT Elec MIT Elec	Ammencements Semester 1 Enterprise Systems Lifecycle Management tive Unit tive Unit tive Unit	
entry con Year 2, S IFN561 MIT Elec MIT Elec Year 2, S	Ammencements Semester 1 Enterprise Systems Lifecycle Management tive Unit tive Unit tive Unit tive Unit semester 2	
entry con Year 2, S IFN561 MIT Elec MIT Elec MIT Elec Year 2, S IFN712 IFN663 Enterpris	Ammencements Semester 1 Enterprise Systems Lifecycle Management tive Unit tive Unit tive Unit tive Unit Emester 2 Research in IT Practice Advanced Enterprise Architecture e Systems Option Unit	
entry con Year 2, S IFN561 MIT Elec MIT Elec MIT Elec Year 2, S IFN712 IFN663 Enterpris	Ammencements Semester 1 Enterprise Systems Lifecycle Management tive Unit tive Unit tive Unit Emester 2 Research in IT Practice Advanced Enterprise Architecture	
entry con Year 2, S IFN561 MIT Elec MIT Elec MIT Elec Year 2, S IFN712 IFN663 Enterpris	Ammencements Semester 1 Enterprise Systems Lifecycle Management tive Unit tive Unit tive Unit tive Unit Emester 2 Research in IT Practice Advanced Enterprise Architecture e Systems Option Unit Semester 1 IT Industry Project	
entry con Year 2, S IFN561 MIT Elec MIT Elec Year 2, S IFN712 IFN663 Enterpris Year 3, S	Ammencements Semester 1 Enterprise Systems Lifecycle Management tive Unit tive Unit tive Unit tive Unit Semester 2 Research in IT Practice Advanced Enterprise Architecture e Systems Option Unit Semester 1	
entry con Year 2, S IFN561 MIT Elec MIT Elec Year 2, S IFN712 IFN663 Enterpris Year 3, S IFN711 IFN662 IFN667	And the second s	
entry con Year 2, S IFN561 MIT Elec MIT Elec Year 2, S IFN712 IFN663 Enterpris Year 3, S IFN711 IFN662 IFN667 Enterpris	Ammencements Semester 1 Enterprise Systems Lifecycle Management tive Unit tive Unit tive Unit Semester 2 Research in IT Practice Advanced Enterprise Architecture e Systems Option Unit Semester 1 IT Industry Project Enterprise Systems and Applications	

Enterprise Systems Unit Options List:		
IFN515	Fundamentals of Business Process Management	
IFN521	Foundations of Decision Science	
IFN541	Information Security Management	
IFN562	Advanced Business Analysis	
IFN619	Data Analytics for Strategic Decision Makers	
IFN623	Human Information Interaction and Retrieval	

IN20MJR-EXECIT (60cp)

Enrolment Information

IAB402 Information Systems Consutling -If you have completed this unit or an equivalent unit in your previous studies, you will need to complete an alternative unit instead. Recommended replacement unit from the Executive IT major unit option list: IFN619, IFN652 or IFN662. Please contact the facutly for assistance in updating your Study Plan accordingly.

Semesters

- February 2-year-entry/ July 1.5year-entry commencements
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- July 2-year-entry/ February 1.5 year-entry commencements
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Executive IT Unit Options .
- Select 12 credit points from the Executive IT Unit Options List:

Title Code

Year 2, Semester 2

IFN712

Coue	THE		
February 2-year-entry/ July 1.5-year-			
entry commencements			
Year 1, S	emester 2		
IFN631	IT Governance		
MIT Elective Unit			
MIT Elective Unit			
MIT Elective Unit			
Year 2, Semester 1			
IFN711	IT Industry Project		
IFN561	Enterprise Systems Lifecycle Management		
IAB402	AB402 Information Systems Consulting		
(note: IAB402: if you have completed this unit or equivalent unit, please refer to message above the structure and contact the faculty to have your Study Plan updated)			

Research in IT Practice

IFN711 IAB402 (note: IAB402: if you have completed this unit or equivalent unit, please refer to message above the structure and contact the faculty to have your Study Plan updated) **Executive IT Option Unit Executive IT Unit Options** Select 12 credit points from the Executive IT Unit Options List:

<u>e</u>	IFN521	Foundations of Decision Science
	IFN619	Data Analytics for Strategic Decision Makers
	IFN623	Human Information Interaction and Retrieval
	IFN652	Enterprise Business Process Management
r-	IFN662	Enterprise Systems and Applications

MGN56

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IN20MJR-SOFTDEV (60cp)

Important Enrolment Information: 6 Credit Points (cp) Units -

Management

Consulting and Change

Advanced Enterprise

Enterprise Systems Lifecycle

Research in IT Practice

Advanced Enterprise

IT Industry Project

Information Systems

Architecture

July 2-year-entry/ February 1.5-year-

Management

IT Governance

Architecture

Consulting

Executive IT Option Unit

entry commencements

Year 2, Semester 1

MIT Elective Unit

MIT Elective Unit

MIT Elective Unit

Year 2, Semester 2

Year 3, Semester 1

IFN663

IFN561

IFN712

IFN631

IFN663

IFN563 and IFN564 are 6cp units and are delivered in 5 week teaching period. You should enrol in both units together one in the first half of the semester and the other unit in the second half of the same semester.

- 5 Week A runs from week 1 to 5 of semester 1
- 5 Week B runs from week 9 to 13 of semester 1
- 5 Week C runs from week 1 in semester 2
- 5 Week D runs from week 9 in semester 2.

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This information is correct as at 04/10/2022. For the most up-to-date course information, visit https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?courseCode=IN20&id=38975. CRICOS No.00213J

Due to the shorter timeframes involved the 5 Week sessions have different enrolment and census dates'.

CAB432 Cloud Computing -

If you have completed this unit or an equivalent unit in your previous studies, you will need to complete an alternative unit instead. Recommended replacement unit to be chosen from the Computer Science major unit option list - please refer to the Computer Science major structure (60cp version) for the list of units. Please contact the facutly for assistance in updating your Study Plan accordingly.

Semesters

- February 2-year-entry/ July 1.5year-entry commencements
- Year 1, Semester 2
- Year 2, Semester 1
 Year 2, Semester 2
- July 2-year-entry/ February 1.5year-entry commencements

Year 2, Semester 1 Year 2, Semester 2 . Year 3, Semester 1 ٠ Code Title February 2-year-entry/ July 1.5-yearentry commencements Year 1, Semester 2 IFN563 **Object Oriented Design** Data Structures and **IFN564** Algorithms **MIT Elective Unit MIT Elective Unit MIT Elective Unit** Year 2, Semester 1 IFN711 IT Industry Project Web and Mobile Application **IFN666** Development Advanced Algorithms and IFN664 **Computational Complexity** Year 2, Semester 2 Research in IT Practice IFN712 CAB432 Cloud Computing (note: CAB432 - if you have completed this unit or equivalent unit, please refer to message above the structure and contact the faculty to have your Study Plan updated) Interaction Design for **IFN692 Emerging Technologies** July 2-year-entry/ February 1.5-yearentry commencements Year 2, Semester 1 IFN563 **Object Oriented Design** Data Structures and **IFN564** Algorithms

MIT Elective Unit		
MIT Elective Unit		
MIT Elect	ive Unit	
Year 2, Semester 2		
IFN712	Research in IT Practice	
CAB432	32 Cloud Computing	
(note: CAB432 - if you have completed this unit or equivalent unit, please refer to message above the structure and contact the faculty to have your Study Plan updated)		
IFN692	Interaction Design for Emerging Technologies	
Year 3, Semester 1		
IFN711	IT Industry Project	
IFN666	Web and Mobile Application Development	
IFN664	Advanced Algorithms and Computational Complexity	



Year	2022
QUT code	IN23
CRICOS	062622A
Duration (full-time)	1.5 years
Duration (part-time domestic)	3 years
Campus	Gardens Point
Domestic fee (indicative)	2022: \$26,200 per year full-time (96 credit points)
International fee (indicative)	2022: \$34,600 per year full-time (96 credit points)
Total credit points	144
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February
Course Coordinator	Dr Syed Abbas Zaidi
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Entry Requirements

1.5 year program

You must have a recognised bachelor degree (or higher qualification) in business or information technology with a minimum grade point average (GPA) score of 4.00 (on QUT's 7 point scale).

1 year program

You must have:

- A recognised bachelor honours degree in business or information technology with a minimum grade point average of 4.00 (on QUT's 7 point scale); or
- A recognised graduate diploma (or higher) in business or information technology with a minimum grade point average of 4.00 (on QUT's 7 point scale); or
- A recognised bachelor degree in business or information technology *plus* graduate certificate in business or information technology each with a minimum grade point average (GPA) score of 4.00 (on QUT's 7 point scale); *or*
- Completed QUT's <u>Graduate</u> <u>Certificate in Business Process</u> <u>Management</u> with a minimum grade point average of 4.00

Advanced Standing

If you are 1 year entrant, you will automatically receive 48 credit points of advanced standing upon offer.

For more information please visit <u>QUT -</u> <u>Advanced standing</u> and for

- Institution name enter "Any recognised tertiary institution' as institution name and
- QUT course or unit enter "IN23 Master of Business Process Management"

to view the advanced standing you will be granted.

If you have completed the QUT <u>Graduate</u> <u>Certificate in Business Process</u> <u>Management</u> within the last 7 years you will instead be credited all of the units you passed in the course.

International Entry requirements

1.5 year program

A completed recognised bachelor degree in business or information technology with a minimum grade point average (GPA) score of 4.00 (on QUT's 7 point scale).

1 year program

A completed Australian honours bachelor degree in information technology or business with a minimum grade point average of 4.00 (on QUT's 7 point scale); or

A completed recognised graduate diploma in information technology or business with a minimum grade point average of 4.00 (on QUT's 7 point scale).

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Course Overview

The Master of Business Process Management will provide graduates with the skills and knowledge to create and align information systems to effectively support business and enable business strategy. The program examines business-IT alignment issues through appropriate theory and skill development, and provides career enhancement opportunities into senior management and governance roles. Students will study specialist units in Business Process Management specialisation and may undertake additional study in the areas of corporate systems, IT professional services, enterprise architecture and systems, and information and knowledge management.

Course Structure

To be eligible for the Master of Business Process Management (IN23):

• Students are required to complete 144 credit points of units.

Students are required to complete the specified core units (120cp) which includes 48cp in specialist Business Process Management units
Students must also complete two units (24cp) of electives from the list of approved elective units provided.

Domestic Course structure

The Master of Business Process Management provides graduates with the



Master of Business Process Management

skills and knowledge to create and align information systems to effectively support business and enable business strategy. The program examines business-IT alignment issues through appropriate theory and skill development, and provides career enhancement opportunities into senior management and governance roles.

Students will study specialist units in Business Process Management specialisation and may undertake additional study in the areas of corporate systems, IT professional services, enterprise architecture and systems, and information and knowledge management.

Course completion rules

- Students are required to complete 144 credit points of units.
- Students are required to complete the specified core units (96cp)
- Students must also complete four units (48cp) of electives from the list of approved elective units provided. NB: *If you have no BPM Background, you should complete IFN515 Fundamentals of BPM in your first semester*

International Course structure

The Master of Business Process Management provides graduates with the skills and knowledge to create and align information systems to effectively support business and enable business strategy. The program examines business-IT alignment issues through appropriate theory and skill development, and provides career enhancement opportunities into senior management and governance roles.

Students will study specialist units in Business Process Management specialisation and may undertake additional study in the areas of corporate systems, IT professional services, enterprise architecture and systems, and information and knowledge management.

Course completion rules

- Students are required to complete 144 credit points of units.
- Students are required to complete the specified core units (96cp)
- Students must also complete four units (48cp) of electives from the list of approved elective units provided.
 NB: If you have no BPM Background, you should complete IFN515 Fundamentals of BPM in your first semester

Sample Structure Semesters

- Year 1, Semester 1
- Year 1, Semester 1
- Year 2, Semester 1

Code	Title		
Year 1, S	Year 1, Semester 1		
IFN515	Fundamentals of Business Process Management		
Master BPM Option Unit			
Master B	PM Option Unit		
Master B	PM Option Unit		
Year 1, S	emester 2		
IFN652	Enterprise Business Process Management		
IFN653	Business Process Automation		
IFN712	Research in IT Practice		
Year 2, Semester 1			
IFN650	Business Process Analytics		
IFN711	IT Industry Project		
Master BPM Option Unit			



Naster of Data Analytics

Year	2022
QUT code	IN27
CRICOS	098601J
Duration (full-time domestic)	1 - 2 years
Duration (full-time international)	2 years
Duration (part-time domestic)	2 - 4 years
Campus	Gardens Point
Domestic fee (indicative)	2022: \$25,700 per year full-time (96 credit points)
International fee (indicative)	2022: \$34,100 per year full-time (96 credit points)
Total credit points	192
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February
Course Coordinator	Associate Professor Yue Xu
Discipline Coordinator	+61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Entry Requirements

2 year program (all majors) A recognised bachelor degree (or higher qualification) in any discipline with a minimum grade point average (GPA) of 4.00 (on QUT's 7 point scale).

1.5 year program (all majors)

A recognised bachelor degree (or higher qualification) in information technology or mathematics with a minimum grade point average (GPA) score of 4.00 (on QUT's 7 point scale).

1.5 year program (Biomedical Data Science major only)

A recognised bachelor degree (or higher qualification) in biomedical science with a minimum grade point average (GPA) score of 4.00 (on QUT's 7 point scale).

1 year program (all majors)

- A recognised bachelor honours degree in information technology or mathematics with a minimum grade point average of 4.00 (on QUT's 7 point scale); or
- A recognised bachelor degree in information technology or mathematics with a minimum grade point average (GPA) score of 4.00 (on QUT's 7 point scale) *plus* completion with a minimum grade point average (GPA) score of 4.00 of one of QUT's:<u>Graduate</u> <u>Certificate in Business</u> <u>AnalysisGraduate Certificate in</u> <u>Cyber Security and</u> <u>NetworksGraduate Certificate in</u> <u>Data Analytics</u>

1 year program (Biomedical Data Science major only) Completion of LV41 Bachelor of Biomedical Science at QUT.

Graduates will automatically receive an offer to start within three weeks of the current semester results being released.

International Entry requirements

Academic entry requirements 2 year program

A completed recognised bachelor degree in any discipline with a minimum grade point average of 4.00 (on QUT's 7 point scale).

1.5 year program (all majors)

A completed recognised bachelor degree in information technology or mathematics (or related field), with a minimum grade point average of 4.00 (on QUT's 7 point scale).

1.5 year program (Biomedical Science major only)

A completed recognised bachelor degree in biomedical science with a minimum grade point average of 4.00 (on QUT's 7 point scale).

1 year program (all majors)

- A completed Australian bachelor honours degree in information technology or mathematics with a minimum grade point average of 4.00 (on QUT's 7 point scale); or
- A completed recognised bachelor degree in information technology or mathematics with a minimum grade point average (GPA) score of 4.00 (on QUT's 7 point scale) *plus* completion with a minimum grade point average (GPA) score of 4.00 of one of QUT's:<u>Graduate</u> <u>Certificate in Business</u> <u>AnalysisGraduate Certificate in</u> <u>Cyber Security and</u> <u>NetworksGraduate Certificate in</u> <u>Data Analytics</u>

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

To meet the course requirements for the Master of Data Analytics, you must complete 192 credit points of course units, consisting of:

- 48 credit points of core units
- 96 credit points of discpline units from your selected Major, or a range of units from across the majors if you choose not to nominate a major.
- 48 credit points of data analytics related elective units selected from an approved list of units, which is drawn from units offered in each of the majors.

Study Areas: Choose your major in the following



Master of Data Analytics

specialisation areas -

- · Biomedical Data Science;
- Computational Data Science;
- · Statistical Data Science; or
- No Major option

Students in the 1.5 year program

Please note: study plans are determined based on prior qualifications. The placement of the 48 credit point reduction across the study plan may vary between students. Clarification can be sought from the Course Coordinators once admitted.

International Course structure

To meet the course requirements for the Master of Data Analytics, you must complete 192 credit points of course units, consisting of:

- · 48 credit points of core units
- · 96 credit points of discpline units from your selected Major, or a range of units from across the majors if you choose not to nominate a
- major. • 48 credit points of data analytics related elective units selected from an approved list of units, which is drawn from units offered in each of the majors.

Study Areas:

Choose your major in the following specialisation areas -

- · Biomedical Data Science;
- Computational Data Science;
- Statistical Data Science: or
- No Major option

Students in the 1.5 year program

Please note: study plans are determined based on prior qualifications. The placement of the 48 credit point reduction across the study plan may vary between students. Clarification can be sought from the Course Coordinators once admitted.

Sample Structure Semesters

- Suggested Study Plan Semester 1 (February)
- **commencements**
- Semester 2 (July) commencements <u>Semester 1 (February)</u> commencements - Math cognate
- entrant Semester 2 (July) commencements
- Math cognate entrant Semester 1 (February) ٠ commencements - IT cognate entrant
- Semester 2 (July) commencements IT cognate entrant
- Unit Sets
- **Core Units**
- **Professional Preparations Units**

- Advanced Units
- Elective Units

Code Title

Code	
	ed Study Plan
Semeste	r 1 (February) commencements
Year 1, S	Semester 1
IFN619	Data Analytics for Strategic Decision Makers
Professio	onal Preparation Unit 1
Professio	onal Preparation Unit 2
Elective	Unit 1
Year 1, S	Semester 2
INN700	Introduction to Research
Professio	onal Preparation Unit 3
Professio	onal Preparation Unit 4
Advance	d Unit 1
Year 2, S	Semester 1
IFN703	Advanced Project
Advance	d Unit 2
Elective	Unit 2
Elective	Unit 3
Year 2, S	Semester 2
IFN704	Advanced Project 2
Advance	d Unit 3
Advance	d Unit 4
Elective	Unit 4
Semeste	r 2 (July) commencements
	Semester 2
INN700	Introduction to Research
Professio	onal Preparation Unit 1
Professio	onal Preparation Unit 2
Elective	Unit 1
Year 2, S	Semester 1
IFN619	Data Analytics for Strategic Decision Makers
Professio	onal Preparation Unit 3
Professio	onal Preparation Unit 4
Advance	d Unit 1
Year 2, S	Semester 2
IFN703	Advanced Project
Advance	d Unit 2
Elective Unit 2	
Elective	Unit 3
Year 3, S	Semester 1
IFN704	Advanced Project 2
Advance	d Unit 3
Advance	d Unit 4
Elective	Unit 4
	r 1 (February) commencements
	ognate entrant
For 1.5 y	ears program - Math und entrants
For 1.5 y backgrou	ears program - Math

Decision Makers INN700 Introduction to Research **Professional Preparation Unit 1 Elective Unit 1** Year 1, Semester 2 IFN703 Advanced Project **Professional Preparation Unit 2** Advanced Unit 1 Advanced Unit 2 Year 2, Semester 1 IFN704 Advanced Project 2 Advanced Unit 3 Advanced Unit 4 Elective Unit 2 Semester 2 (July) commencements -Math cognate entrant For 1.5 years program - Math background entrants Year 1, Semester 2 INN700 Introduction to Research **Professional Preparation Unit 1 Professional Preparation Unit 2** Elective Unit 1 Year 2, Semester 1 Data Analytics for Strategic IFN619 **Decision Makers** Advanced Unit 1 Advanced Unit 2 Elective Unit 2 Year 2, Semester 2 IFN703 Advanced Project IFN704 Advanced Project 2 Advanced Unit 3 Advanced Unit 4 Semester 1 (February) commencements - IT cognate entrant For 1.5 years program - IT background entrants Year 1, Semester 1 Data Analytics for Strategic **IFN619 Decision Makers** INN700 Introduction to Research **Professional Preparation Unit 1** Elective Unit 1 Year 1, Semester 2 Advanced Project IFN703 **Professional Preparation Unit 2** Advanced Unit 1 Advanced Unit 2 Year 2, Semester 1 Advanced Project 2 IFN704 Advanced Unit 3 Advanced Unit 4 Elective Unit 2

QUI the university for the real world

Master of Data Analytics

	of Data Analytics	
Semester cognate e	r 2 (July) commencements - IT entrant	
For 1.5 years program - IT background entrants		
Year 1, Semester 2		
INN700	Introduction to Research	
Professio	nal Preparation Unit 1	
Professio	nal Preparation Unit 2	
Elective l	Jnit 1	
Year 2, S	emester 1	
IFN619	Data Analytics for Strategic Decision Makers	
Advance	d Unit 1	
Advance	d Unit 2	
Elective l	Jnit 2	
Year 2, S	emester 2	
IFN703	Advanced Project	
IFN704	Advanced Project 2	
Advance	d Unit 3	
Advance		
Unit Sets		
Core Unit	ts	
INN700	Introduction to Research	
IFN619	Data Analytics for Strategic Decision Makers	
IFN703	Advanced Project	
IFN704	Advanced Project 2	
	nal Preparations Units	
Salact 19	credit points from the options	
list:		
	Data Exploration and Mining	
list:		
list: IFN509	Data Exploration and Mining Fundamentals of Business	
list: IFN509 IFN515	Data Exploration and Mining Fundamentals of Business Process Management	
list: IFN509 IFN515 IFN552	Data Exploration and Mining Fundamentals of Business Process Management Systems Analysis and Design	
list: IFN509 IFN515 IFN552 IFN554	Data Exploration and Mining Fundamentals of Business Process Management Systems Analysis and Design Databases	
list: IFN509 IFN515 IFN552 IFN554 IFN555	Data Exploration and Mining Fundamentals of Business Process Management Systems Analysis and Design Databases Introduction to Programming	
list: IFN509 IFN515 IFN552 IFN554 IFN555 IFN556	Data Exploration and Mining Fundamentals of Business Process Management Systems Analysis and Design Databases Introduction to Programming Object Oriented Programming	
list: IFN509 IFN515 IFN552 IFN554 IFN555 IFN556 MXN500 MXN501 Advance	Data Exploration and Mining Fundamentals of Business Process Management Systems Analysis and Design Databases Introduction to Programming Object Oriented Programming Statistical Data Analysis Stochastic Modelling	
list: IFN509 IFN515 IFN552 IFN554 IFN555 IFN556 MXN500 MXN501 Advance	Data Exploration and Mining Fundamentals of Business Process Management Systems Analysis and Design Databases Introduction to Programming Object Oriented Programming Statistical Data Analysis Stochastic Modelling	
list: IFN509 IFN515 IFN552 IFN555 IFN556 MXN500 MXN501 Advanced Select 48	Data Exploration and Mining Fundamentals of Business Process Management Systems Analysis and Design Databases Introduction to Programming Object Oriented Programming Statistical Data Analysis Stochastic Modelling	
list: IFN509 IFN515 IFN552 IFN555 IFN556 MXN500 MXN501 Advanced Select 48 list:	Data Exploration and Mining Fundamentals of Business Process Management Systems Analysis and Design Databases Introduction to Programming Object Oriented Programming Statistical Data Analysis Stochastic Modelling Units credit points from the options	
list: IFN509 IFN515 IFN552 IFN554 IFN555 IFN556 MXN500 MXN500 MXN501 Advanced Select 48 list: CAB420	Data Exploration and Mining Fundamentals of Business Process Management Systems Analysis and Design Databases Introduction to Programming Object Oriented Programming Statistical Data Analysis Stochastic Modelling Units credit points from the options Machine Learning	
list: IFN509 IFN515 IFN552 IFN555 IFN556 MXN500 MXN501 Advanced Select 48 list: CAB420 IFN645	Data Exploration and Mining Fundamentals of Business Process Management Systems Analysis and Design Databases Introduction to Programming Object Oriented Programming Statistical Data Analysis Stochastic Modelling Cunits Credit points from the options Machine Learning Large Scale Data Mining	
list: IFN509 IFN515 IFN552 IFN554 IFN556 MXN500 MXN501 Advanced Select 48 list: CAB420 IFN645 IFN646	Data Exploration and Mining Fundamentals of Business Process Management Systems Analysis and Design Databases Introduction to Programming Object Oriented Programming Statistical Data Analysis Stochastic Modelling Units credit points from the options Machine Learning Large Scale Data Mining Biomedical Data Science Text, Web and Media	
list: IFN509 IFN515 IFN552 IFN554 IFN555 IFN556 MXN500 MXN500 MXN501 Advanced Select 48 list: CAB420 IFN645 IFN646 IFN647	Data Exploration and Mining Fundamentals of Business Process Management Systems Analysis and Design Databases Introduction to Programming Object Oriented Programming Statistical Data Analysis Stochastic Modelling Units credit points from the options Machine Learning Large Scale Data Mining Biomedical Data Science Text, Web and Media Analytics	
list: IFN509 IFN515 IFN552 IFN554 IFN555 IFN556 MXN500 MXN500 MXN501 Advanced Select 48 list: CAB420 IFN645 IFN646 IFN647	Data Exploration and Mining Fundamentals of Business Process Management Systems Analysis and Design Databases Introduction to Programming Object Oriented Programming Statistical Data Analysis Stochastic Modelling Units credit points from the options Machine Learning Large Scale Data Mining Biomedical Data Science Text, Web and Media Analytics Business Process Analytics Advanced Statistical Data	
list: IFN509 IFN515 IFN552 IFN554 IFN555 IFN556 MXN500 MXN500 MXN501 Advanced Select 48 list: CAB420 IFN645 IFN646 IFN647 IFN647 IFN650 MXN600	Data Exploration and Mining Fundamentals of Business Process Management Systems Analysis and Design Databases Introduction to Programming Object Oriented Programming Statistical Data Analysis Stochastic Modelling Units credit points from the options Machine Learning Large Scale Data Mining Biomedical Data Science Text, Web and Media Analytics Business Process Analytics Advanced Statistical Data Analysis Advanced Stochastic Modelling	
list: IFN509 IFN515 IFN552 IFN554 IFN555 IFN556 MXN500 MXN500 MXN500 MXN501 Advanced Select 48 list: CAB420 IFN645 IFN645 IFN646 IFN647 IFN650 MXN600 MXN600 Elective U	Data Exploration and Mining Fundamentals of Business Process Management Systems Analysis and Design Databases Introduction to Programming Object Oriented Programming Statistical Data Analysis Stochastic Modelling Units credit points from the options Machine Learning Large Scale Data Mining Biomedical Data Science Text, Web and Media Analytics Business Process Analytics Advanced Statistical Data Analysis Advanced Stochastic Modelling	

section at the bottom of th	e page

Semesters

•	Semester 1	(February)
	commence	ment
-	Voor 1 Cor	montor 1

- Year 1, Semester 1
 Year 1, Semester 2
 Year 2, Semester 1
- Year 2, Semester 2
- <u>Semester 2 (July) commencement</u>
- Year 1, Semester 2
- Year 2, Semester 1
 Year 2, Semester 2
- Year 3, Semester 1

Code	Title		
	Semester 1 (February) commencement Year 1, Semester 1		
Year 1, S			
IFN619	Data Analytics for Strategic Decision Makers		
IFN552	Systems Analysis and Design		
IFN554	Databases		
(note: IFN be taken	I552 (6cp) and IFN554 (6cp) to in pairs)		
IFN509	Data Exploration and Mining		
IFN555	Introduction to Programming		
IFN556	Object Oriented Programming		
	1555 (6cp) and IFN556 (6cp) to		
be taken			
Year 1, S	emester 2		
INN700	Introduction to Research		
IFN563	Object Oriented Design		
IFN564	Data Structures and Algorithms		
	1563 (6cp) and IFN564 (6cp) to		
be taken	. ,		
Major opt	ion unit (List 1)		
Elective u	ınit		
Year 2, S	emester 1		
IFN703	Advanced Project		
Major opt	ion unit (List 2)		
Elective u	init		
Elective u			
Year 2, S	emester 2		
IFN704	Advanced Project 2		
Major opt	ion unit (List 1)		
Major opt	Major option unit (List 2)		
Elective unit			
Semester	2 (July) commencement		
	emester 2		
INN700	Introduction to Research		
IFN552	Systems Analysis and Design		
IFN554	Databases		
(note: IFN552 (6cp) and IFN554 (6cp) to be taken in pairs)			
IFN509	Data Exploration and Mining		
IFN555	Introduction to Programming		
IFN556	Object Oriented Programming		

be taken in pairs) Year 2, Semester 1 Data Analytics for Strategic **IFN619 Decision Makers IFN563 Object Oriented Design** Data Structures and **IFN564** Algorithms (note: IFN563 (6cp) and IFN564 (6cp) to be taken in pairs) Major option unit Elective unit Year 2, Semester 2 IFN703 Advanced Project Major option unit Major option unit Major option unit Year 3, Semester 1 IFN704 Advanced Project 2 Elective unit Elective unit

(note: IFN555 (6cp) and IFN556 (6cp) to

Elective unit

Semesters

٠	Semester 1	(February)
	commencem	nent

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Semester 2 (July) commencement
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1

Code Title Semester 1 (February) commencement

Year 1, Semester 1			
MXN500	Statistical Data Analysis		
IFN619	Data Analytics for Strategic Decision Makers		
IFN555	Introduction to Programming		
IFN556	Object Oriented Programming		
(note: IFN555 (6cp) and IFN556 (6cp) to be taken in pairs)			
Elective u	Elective unit		
Year 1, Semester 2			
MXN501	Stochastic Modelling		
INN700	Introduction to Research		
IFN509	Data Exploration and Mining		
Elective unit			
Year 2, Semester 1			
MXN601	Advanced Stochastic Modelling		
IFN703	Advanced Project		
Major option unit			
Elective unit			

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Year 2, S	emester 2
MXN600	Advanced Statistical Data
	Analysis
IFN704	Advanced Project 2
Major opt	
Elective u	
	2 (July) commencement
Year 1, S	emester 2
MXN501	Stochastic Modelling
INN700	Introduction to Research
IFN556	Object Oriented Programming
IFN555	Introduction to Programming
	1555 (6cp) and IFN556 (6cp) to
be taken	. ,
Elective u	
	emester 1
MXN500	Statistical Data Analysis
IFN619	Data Analytics for Strategic Decision Makers
IFN509	Data Exploration and Mining
Elective u	init
Year 2, S	emester 2
MXN600	Advanced Statistical Data Analysis
IFN703	Advanced Project
Major opt	ion unit
Elective u	init
Year 3, S	emester 1
MXN601	Advanced Stochastic Modelling
IFN704	Advanced Project 2
Major opt	ion unit
Elective u	init



Year	2022
QUT code	IQ20
Duration (full-time domestic)	2 years
Duration (part-time domestic)	4 years
Total credit points	192
Dom. Start Months	October, July, April, February
Course Coordinator	
Discipline Coordinator	1300 110 918 help@qutonline.edu.au

Minimum English



Year	2022
QUT code	PH80
CRICOS	043548G
Duration (full-time)	1.5 years
Duration (part-time domestic)	3 years
Campus	Gardens Point
Domestic fee (indicative)	2022: CSP \$7,500 per year full-time (96 credit points)
International fee (indicative)	2022: \$33,200 per year full-time (96 credit points)
Total credit points	144
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February
Course Coordinator	For more information email: askqut@qut.edu.au; ph: 07 3138 2000
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

A recognised bachelor degree (or higher qualification) in one of the following fields:

- Biomedical, medical, medical electronics etc engineering
- Biophysics
- Electrical, avionics etc engineering
- Geophysics
- Mechanical engineering
- Medical physics
- Physics

The following degrees (or higher qualification) are not acceptable:

- Biomedical science
- Laboratory science
- Medical imaging
- Radiotherapy
- Medical radiation
 Medical science
- Intedical science

International Entry requirements

Academic entry requirements

A completed recognised bachelor degree (or higher award) in physics with a grade point average of 4.0 or higher (on QUT's 7 point scale).

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International Testing System)	English Language
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Course Design

Stage 1— Graduate Diploma (PH71) comprises assessed coursework such as advanced lectures, seminars, reading units or independent study. Full time students will need an average of 14 hours a week of formal contact (seven hours for parttime students). Students can graduate with a Graduate Diploma in Medical Physics after satisfactory completion of Stage 1.

Stage 2— Master of Applied Science (PH80) students undertake a program of supervised research and investigation that can be completed at QUT or in a suitable external institution.

Professional Recognition

The course is accredited by the Australasian College of Physical Sciences and Engineers in Medicine.

Sample Structure

Semesters

- <u>STAGE 1: Students must complete</u> <u>units from the list below, totalling 96</u> <u>credit points:</u>
- Year 1, Semester 1 (February to June)
- Year 1, Semester 2 (July to October)
- <u>STAGE 2: Project over One</u> Semester or Summer Program

Code	Title
	: Students must complete units ist below, totalling 96 credit
Year 1, S	emester 1 (February to June)
ENN515	Total Quality Management
LSN104	Advancing Anatomy and Physiology
PCN113	Radiation Physics
PCN211	Physics of Medical Imaging
Year 1, S	emester 2 (July to October)
PCN112	Medical Imaging Science
PCN212	Radiotherapy
PCN214	Health and Occupational Physics
PCN218	Research Methodology and Professional Studies
STAGE 2 Summer	: Project over One Semester or Program
PCN520	Project (FT)



Year	2022
QUT code	IF80
CRICOS	095410G
Duration (full-time domestic)	1.5 - 2 years
Duration (full-time international)	2 years
Duration (part-time domestic)	4 years
Campus	Gardens Point, Kelvin Grove
Domestic fee (indicative)	2022: \$27,900 - \$34,600 per year full-time if you exceed the maximum time under RTP
International fee (indicative)	2022: \$30,300 - \$36,800 per year full-time
Total credit points	144
Start months	December, November, October, September, August, July, June, May, April, March, February, January
Int. Start Months	December, November, October, September, August, July, June, May, April, March, February, January
Course Coordinator	
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

To be eligible for this course, you need either:

- a completed recognised bachelor honours degree in a discipline relevant to your intended area of study or
- a completed recognised bachelor degree or equivalent in a discipline relevant to your intended area of study with: a minimum grade point average (GPA) score of 5.00 (on QUT's 7 point scale)relevant professional and/or research experience (as determined by the faculty).

Applications and proposed research projects are subject to supervisor availability and resources available within the faculty.

International Entry requirements

To be eligible for this course, you need either:

- a completed recognised bachelor honours degree in a discipline relevant to your intended area of study or
- a completed recognised bachelor degree or equivalent in a discipline relevant to your intended area of study with: a minimum grade point average (GPA) score of 5.00 (on QUT's 7 point scale)relevant professional and/or research experience (as determined by the faculty).

Applications and proposed research projects are subject to supervisor availability and resources available within the faculty.

Minimum English

requirements

Students must meet the English proficiency requirements.

IELTS (Internationa Testing System)	l English Language
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure Mandatory units

You'll need to complete:

- a time-based thesis
- IFN001 Advanced Information

Research Skills.

You may need to complete other units that are recommended by your faculty, negotiated with you and based on the skills gaps identified in your research degree skills audit.

Study areas

Your faculty may have several specialisations (study areas) that your research will align with. This will appear on your testamur at graduation:

Business

- Master of Philosophy (Accountancy)
- Master of Philosophy (Advertising)
- Master of Philosophy (Economics)
- Master of Philosophy (Entrepreneurship and Innovation)
- Master of Philosophy (Finance)
- Master of Philosophy (Human Resource Management)
- Master of Philosophy (International Business)
- Master of Philosophy (Management)
- Master of Philosophy (Marketing)
- Master of Philosophy (Philanthropy and Nonprofit Studies)
- Master of Philosophy (Public Relations)

Creative Industries

- Master of Philosophy (Design)
- Master of Philosophy (Communication)
- Master of Philosophy (Creative Practice)

Education

• Master of Philosophy (Education)

Health

- Master of Philosophy (Biomedical Sciences)
- Master of Philosophy (Exercise Sciences)
- Master of Philosophy (Materiobiology)
- Master of Philosophy (Medical Radiations)
- Master of Philosophy (Nursing)
- Master of Philosophy (Nutrition and Dietetics)
- Master of Philosophy (Optometry)
 Master of Philosophy (Paramedicine)
- Master of Philosophy (Pharmacy)
- Master of Philosophy (Phaimacy)
 Master of Philosophy (Physical
- Education)
- Master of Philosophy (Podiatry)
 Master of Philosophy (Public
- Master of Philosophy (Public Health)
- Master of Philosophy (Psychology)
- Master of Philosophy (Social Work)



Law

- Master of Philosophy (Law)
- Master of Philosophy (Justice)

Science and Engineering

- Master of Philosophy (Engineering)
 Master of Philosophy (Information
- Technology)
- Master of Philosophy (Magnetic Resonance in Medicine)
- Master of Philosophy (Mathematics)
- Master of Philosophy (Science)
 Master of Philosophy (Urban Development)

International Course structure

Mandatory units

- You'll need to complete:
 - a time-based thesis
 - IFN001 Advanced Information Research Skills.

You may need to complete other units that are recommended by your faculty, negotiated with you and based on the skills gaps identified in your research degree skills audit.

Study areas

Your faculty may have several specialisations (study areas) that your research will align with. This will appear on your testamur at graduation:

Business

- Master of Philosophy (Accountancy)
- Master of Philosophy (Advertising)
- Master of Philosophy (Economics)
- Master of Philosophy
- (Entrepreneurship and Innovation)
- Master of Philosophy (Finance)
 Master of Philosophy (Human
- Master of Philosophy (Human Resource Management)
- Master of Philosophy (International Business)
- Master of Philosophy (Management)
- Master of Philosophy (Marketing)
- Master of Philosophy (Philanthropy and Nonprofit Studies)
- Master of Philosophy (Public Relations)

Creative Industries

- Master of Philosophy (Design)
- Master of Philosophy
- (Communication)
- Master of Philosophy (Creative Practice)

Education

Master of Philosophy (Education)

Health

- Master of Philosophy (Biomedical Sciences)
- Master of Philosophy (Exercise Sciences)
- Master of Philosophy

- (Materiobiology)
- Master of Philosophy (Medical Radiations)
 - Master of Philosophy (Nursing)
- Master of Philosophy (Nutrition and Dietetics)
- Master of Philosophy (Optometry)
- Master of Philosophy (Paramedicine)
- Master of Philosophy (Pharmacy)
- Master of Philosophy (Physical Education)
- Master of Philosophy (Podiatry)
- Master of Philosophy (Public
- Health)
- Master of Philosophy (Psychology)
 Master of Philosophy (Secial Work)
- Master of Philosophy (Social Work)

Law

- Master of Philosophy (Law)
- Master of Philosophy (Justice)

Science and Engineering

- Master of Philosophy (Engineering)
 Master of Philosophy (Information
- Technology)

 Master of Philosophy (Magnetic
- Resonance in Medicine) Master of Philosophy (Mathem
- Master of Philosophy (Mathematics)
 Master of Philosophy (Science)
- Master of Philosophy (Science
 Master of Philosophy (Urban
- Development)



Conternation of Philosophy

Year	2022
QUT code	IF49
CRICOS	006367J
Duration (full-time domestic)	3 - 4 years
Duration (full-time international)	4 years
Campus	Kelvin Grove
Domestic fee (indicative)	2022: \$27,900 - \$34,600 per year full-time if you exceed the maximum time under RTP
International fee (indicative)	2022: \$30,300 - \$36,800 per year full-time
Total credit points	
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	December, November, October, September, August, July, June, May, April, March, February, January
Int. Start Months	December, November, October, September, August, July, June, May, April, March, February, January

Minimum English



Year	2022
QUT code	IF49
CRICOS	006367J
Duration (full-time domestic)	3 - 4 years
Duration (full-time international)	4 years
Campus	Gardens Point
Domestic fee (indicative)	2022: \$27,900 - \$34,600 per year full-time if you exceed the maximum time under RTP
International fee (indicative)	2022: \$30,300 - \$36,800 per year full-time
Total credit points	
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	December, November, October, September, August, July, June, May, April, March, February, January
Int. Start Months	December, November, October, September, August, July, June, May, April, March, February, January
Discipline Coordinator	Science and Engineering Faculty 3138 2595 sef.research@qut.edu.au

Domestic Entry requirements Academic entry requirements

You must have either:

- a completed recognised relevant honours degree (first class or second class Division A) or equivalent
- a completed recognised masters degree or professional doctorate (by research or coursework)

Admission to the Doctor of Philosophy depends on an applicant's demonstrated research aptitude and the availability of supervision, infrastructure and resources needed for the proposed research project.

For more information on eligibility, read the <u>admission criteria for the Doctor of</u> <u>Philosophy (PDF, 98.5KB)</u>.

Once you've started your PhD, you'll need to complete your Stage 2 milestone to be fully admitted to your course. You'll usually complete this milestone within the first three months of study.

Masters and professional doctorate degrees by coursework must have a significant research component, normally not less than 25%. Holders of masters and professional doctorate by coursework must:

- have a minimum grade point average (GPA) score of 5.0 on QUT's 7 point scale; and
- present evidence of research experience and potential for approval

International Entry requirements

Academic entry requirements You must have either:

- a completed recognised relevant honours degree or equivalent
- a completed recognised masters degree or professional doctorate (by research or coursework)

Masters and professional doctorate degrees by coursework must have a significant research component, normally not less than 25%. Holders of masters and professional doctorate by coursework must:

- have a minimum grade point average (GPA) score of 5.0 on QUT's 7 point scale; and
- present evidence of research experience and potential for approval

Admission to the Doctor of Philosophy depends on an applicant's demonstrated

research aptitude and the availability of supervision, infrastructure and resources needed for the proposed research project.

Once you've started your PhD, you'll need to complete your Stage 2 milestone to be fully admitted to your course. You'll usually complete this milestone within the first three months of study.

For more information on eligibility, read the <u>admission criteria for the Doctor of</u> <u>Philosophy (PDF, 98.5KB)</u>.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Overview

The Doctor of Philosophy (PhD) offers the opportunity to work with an experienced supervisory research team to make a significant and original contribution to disciplinary knowledge. A PhD candidate's research must reveal high critical ability and powers of imagination and synthesis and may be, depending on discipline, demonstrated in the form of new knowledge or significant and original adaptation, application and interpretation of existing knowledge. This world-class program provides a basis for critical inquiry and welcomes collaborative and interdisciplinary research projects. A QUT PhD graduate will be equipped to seek employment in industry, research organisations and universities.

Entry requirements

Admission to the Doctor of Philosophy depends on an applicant's demonstrated research aptitude and the availability of supervision, infrastructure and resources needed for the proposed research project.

An applicant would normally hold: . a relevant first or second class division A honours degree or equivalent, or . an appropriate Masters degree or Professional Doctorate (by research or coursework)

Masters and Professional Doctorates degrees by coursework must contain a



Doctor of Philosophy (Hosted by Faculty of Science)

significant research component, normally no less than 25%.

Holders of Masters and Professional Doctoral by Coursework must:
have a grade point average of at least 5.0 on a 7 point scale and
present evidence of research experience and potential for approval

International Student Entry

Admission to the Doctor of Philosophy depends on an applicant's demonstrated research aptitude and the availability of supervision, infrastructure and resources needed for the proposed research project.

An applicant would normally hold: . a relevant first or second class division A honours degree or equivalent, or . an appropriate Masters degree or Professional Doctorate (by research or coursework)

Masters and Professional Doctorates degrees by coursework must contain a significant research component, normally no less than 25%.

Holders of Masters and Professional Doctoral by Coursework must:
have a grade point average of at least 5.0 on a 7 point scale and
present evidence of research experience and potential for approval

English language proficiency requires International applicants to meet an IELTS overall bandscore of 6.5 with no subscore below 6.0.

FINANCIAL GUARANTEE

Acceptable forms of evidence include: - A letter from an approved employer confirming the continuation of your salary; OR

- A signed Scholarship Agreement between QUT and your sponsoring agency; OR

An accepted letter of offer from QUT for a postgraduate research scholarship; OR
An approved external scholarship.

Location & duration

The expected duration of the Doctor of Philosophy is three to four years full-time, or six to eight years part-time. Full-time study is normally conducted on-campus at QUT. Part-time and external study options may be available depending on the project, infrastructure requirements and funding arrangements. Although QUT offers this flexibility, candidates must meet minimum attendance requirements and the university must be satisfied that adequate supervision and resources are available. International student visas require oncampus study to be completed full-time.

Course Structure

QUT adopts a project management approach. PhD candidates work closely with their supervisory team to meet collegially reviewed milestones leading to timely submission of a thesis for examination. QUT is proud of its record of timely completions and low attrition rates realised by this approach.

During candidature the supervisor and other key stakeholders will provide advice and direction to the candidate to encourage their participation in university scholarly activities such as research seminars, teaching and publication. The length of the thesis varies according to the topic, but should normally be no longer than 100,000 words, excluding bibliography.

Fees

Australian citizens and permanent residents will be awarded a Research Training Scheme (RTS) place. Domestic students are not required to apply for an RTS entitlement, as it will be automatically allocated. The RTS covers tuition fees but not other study related costs. PhD Students are entitled to four years full-time equivalent study under these schemes. Students who exceed this entitlement may apply to QUT for extension, however the University may charge fees for the period of the program, which exceeds the student's entitlement. The University determines the fee level for domestic and international students.

Further Information

For further information about this course, please contact: Research Students Centre Phone: +61 7 3138 4475, Email: research.enrolment@qut.edu.au

Science and Engineering Faculty Professor Chris Langton Assistant Dean - Research Phone: +61 7 3138 2595 Email: sef.research@qut.edu.au

Domestic Course structure Course design

Mandatory

- IFN001 Advanced Information
- Retrieval Skills
- Time based Thesis

Other units as agreed by student in negotiation with their supervisor and faculty.

International Course structure

Course design Mandatory

- IFN001 Advanced Information Retrieval Skills
- Time based Thesis

Other units as agreed by student in negotiation with their supervisor and faculty.



Second Major: Creative Industries

Year	2022
QUT code	Uniwide
Total credit points	96
Discipline Coordinator	Phone: +61 7 3138 2000 Email: askqut@qut.edu.au

Minimum English



Second Major: Criminology and Policing

2022
Uniwide
72
3138 2707 lawandjustice@qut.edu.a u

Minimum English



Second Major: Design

Year	2022
QUT code	Uniwide
Total credit points	96
Discipline Coordinator	Phone: +61 7 3138 2000 Email: askqut@qut.edu.au

Minimum English



Second Major: Information Technology

Year	2022
QUT code	Uniwide
Total credit points	96
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Minimum English



আ 🔰 Second Major: Languages

Year	2022
QUT code	Uniwide
Total credit points	72
Discipline Coordinator	07 3138 2050 qut.languages@qut.edu.a u

Minimum English



Second Major: Policy and Governance

Year	2022
QUT code	Uniwide
Total credit points	72 or 96
Discipline Coordinator	3138 2707 lawandjustice@qut.edu.a u

Minimum English



Second Major: Policy and Politics

Year	2022
QUT code	Uniwide
Total credit points	72
Discipline Coordinator	3138 2707 lawandjustice@qut.edu.a u

Minimum English



Second Major: Property Economics

Year	2022
QUT code	Uniwide
Total credit points	96
Discipline Coordinator	07 3138 2050 bus@qut.edu.au

Minimum English



Second Major: Urban Development

Year	2022
QUT code	Uniwide
Total credit points	96
Discipline Coordinator	+61 7 3138 2000 askqut@qut.edu.au

Minimum English



Year	2022
QUT code	SQ02
Duration (part-time)	1 year
Campus	Gardens Point, Kelvin Grove
Total credit points	24
Credit points part-time sem.	12
Start months	July, February
Int. Start Months	July, February
Course Coordinator	startqut@qut.edu.au
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Edit in the CMS.

International Entry requirements Edit in the CMS.

Minimum English requirements

Students must meet the English proficiency requirements.

Domestic Course structure (Edit in the CMS)

You can enrol in one unit per semester, in addition to your Year 11/12 studies. You'll choose your unit once you've been offered a place in the program.

You can choose a unit from a different study area in each semester (for example, a science unit in Semester 1, and a business unit in Semester 2). This might be a good option if you are looking to study a double degree.

If you're hoping to receive advanced standing (credit) toward a degree for the units you complete, it's best to select those related to your chosen future study area. Your START QUT studies, including the grades you achieve, will be included as part of your official QUT record.

If you study a START QUT unit during semester 2, year 12 please note the result of this unit will not be available when your QCE is calculated but it will be available to QTAC when ATARs are released. QUT therefore recommends year 12 students complete all START QUT units before this.

International Course structure (Edit in the CMS)

You can enrol in one unit per semester, in addition to your Year 11/12 studies. You'll choose your unit once you've been offered a place in the program.

You can choose a unit from a different study area in each semester (for example, a science unit in Semester 1, and a business unit in Semester 2). This might be a good option if you are looking to study a double degree.

If you're hoping to receive advanced standing (credit) toward a degree for the units you complete, it's best to select those related to your chosen future study area. Your START QUT studies, including the grades you achieve, will be included as part of your official QUT record.

If you study a START QUT unit during semester 2, year 12 please note the result of this unit will not be available when your QCE is calculated but it will be available to QTAC when ATARs are released. QUT therefore recommends year 12 students complete all START QUT units before this.

Sample Structure

Numbers in each unit are limited and will be allocated based on a first come, first served basis. Some units are limited to femal students.

Code	Title	
Engineering		
Engineering		
UXB100	Design-thinking for the Built Environment	
EGB101	Engineering Design and Professional Practice	
Science		
Information Technology		
IFB112	Design of Computer Systems	
Science and Mathematics		
SEB104	Grand Challenges in Science	

Semesters

- <u>Business</u>
- <u>Creative Industries</u>
- Education
- Engineering
- <u>Health</u>
 Justice
- <u>Justice</u>
 <u>Languages</u>
- Law
- <u>Science</u>

Code	Title
Business	
BSB105	The Future Enterprise
BSB106	Dynamic Markets
BSB107	Financial Performance and Responsibility
BSB108	Business Environment
BSB130	Social Enterprises
Creative	Industries
KNB125	Animation History and Context
KVB113	Australian Art and Identity
KNB127	CGI Foundations
KKB180	Creative Futures
KDB113	Dance Studies
DYB122	Design Visualisations



CWB10 2	Influence and Persuasion
CYB101	Introduction to Communication
KWB11 3	Introduction to Creative Writing
DFB102	Introduction to Fashion Communication
CYB102	Introduction to Media and Entertainment Industries
KPB101	Introduction to Screen Production
KPB116	Introduction to Screenwriting
CDB101	Managing Media and Entertainment
CCB101	Media Issues and Debates
KMB119	Music Production 1
CJB101	Newswriting
KVB104	Photo Media and Art Practice
KTB110	Plays that Changed the World
DXB110	Principles of Interaction Design
DVB101	Visual Communication Design
Education	1

Education units offered through the START QUT program will not satisfy the prerequisites for entry to the Bachelor of Education courses. We recommend you check the prerequisites for the Bachelor of Education and are enrolled in these subjects at school before considering undertaking Education units in the START QUT program.

START QUT program.		
EUB102	Education and Society	
EUB104	Stepping In	
EUB101	Supporting Innovative Pedagogy with Digital Technologies	
Engineer	ing	
Architect	ure and Built Environment	
UXB100	Design-thinking for the Built Environment	
UXB130	History of the Built Environment	
UXB131	Planning and Design Practice	
DYB112	Spatial Materiality	
Engineer	ing	
MZB126	Engineering Computation	
MZB127	Engineering Mathematics and Statistics	
EGB102	Fundamentals of Engineering	
	Science	
MZB125	Science Introductory Engineering Mathematics	
	Introductory Engineering	
MZB125	Introductory Engineering	

This information is correct as at 04/10/2022. For the most up-to-date course information, visit
https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?courseCode=SQ02&id=38630. CRICOS No.00213J

5	
LQB186	Human Cell & Molecular Biology
NSB102	Professional Practice and Cultural Safety
PUB215	Public Health Practice
Justice	

Unit content warning: Justice units deal with criminology and may cover material relating to offences such as murder, drugs, rape and abuse. Guidance Officers are asked to make their students aware of this content and to only recommend these units to those who have the maturity to deal with such subject-matter.

JSB171 Justice and Society

	J	
Languages		
AMB031	Mandarin 1	
Law		
LLB101	Introduction to Law	
Science		
Informatio	on Technology	
IFB104	Building IT Systems	
IFB102	Introduction to Computer Systems	
Science a	and Mathematics	
MXB105	Calculus and Differential Equations	
MZB126	Engineering Computation	
MZB127	Engineering Mathematics and Statistics	
MXB100	Introductory Calculus and Algebra	
MZB125	Introductory Engineering Mathematics	
MXB106	Linear Algebra	
MXB101	Probability and Stochastic Modelling 1	

Semesters

- Business
- Creative Industries
- Education
- Health
- Justice
- Law
- <u>Science</u>

Code	Title		
Business	Business		
BSB108	Business Environment		
BSB106	Dynamic Markets		
BSB107	Financial Performance and Responsibility		
BSB105	The Future Enterprise		
BSB130	Social Enterprises		
Creative Industries			
KKB180	Creative Futures		

DYB122	Design Visualisations	
CWB10	Influence and Persuasion	
2	Introduction to	
CYB101	Communication	
KWB11 3	Introduction to Creative Writing	
DFB102	Introduction to Fashion Communication	
CYB102	Introduction to Media and Entertainment Industries	
KPB101	Introduction to Screen Production	
KPB116	Introduction to Screenwriting	
CDB101	Managing Media and Entertainment	
CCB101	Media Issues and Debates	
KMB119	Music Production 1	
CJB101	Newswriting	
KTB110	Plays that Changed the World	
KVB104	Photo Media and Art Practice	
	Principles of Interaction	
DXB110	Design	
DVB101	Visual Communication Design	
Educatior		
Education units offered through the START QUT program will not satisfy the prerequisites for entry to the Bachelor of Education courses. We recommend you check the prerequisites for the Bachelor of Education and are enrolled in these subjects at school before considering undertaking Education units in the		
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of Educat subjects a undertaki START C EUB102 EUB104 EUB101	ion and are enrolled in these at school before considering ng Education units in the UT program. Education and Society Stepping In Supporting Innovative Pedagogy with Digital	
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of Educat subjects a undertaki START C EUB102 EUB104 EUB101 Health PUB215 Justice Unit conte with crimi relating to drugs, rap Officers a students a only reco who have subject-m	ion and are enrolled in these at school before considering ng Education units in the UT program. Education and Society Stepping In Supporting Innovative Pedagogy with Digital Technologies Public Health Practice ent warning: Justice units deal nology and may cover material offences such as murder, be and abuse. Guidance are asked to make their aware of this content and to mmend these units to those the maturity to deal with such natter.	
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of Educat subjects a undertaki START C EUB102 EUB104 EUB104 Health PUB215 Justice Unit conte with crimi relating to drugs, rap Officers a students a only reco who have subject-m JSB171 Law	ion and are enrolled in these at school before considering ng Education units in the UT program. Education and Society Stepping In Supporting Innovative Pedagogy with Digital Technologies Public Health Practice ent warning: Justice units deal nology and may cover material o offences such as murder, be and abuse. Guidance are asked to make their aware of this content and to mmend these units to those the maturity to deal with such natter. Justice and Society	
of Educat subjects a undertaki START C EUB102 EUB104 EUB104 EUB101 Health PUB215 Justice Unit conte with crimi relating to drugs, rap Officers a students a only reco who have subject-m JSB171 Law LLB101	ion and are enrolled in these at school before considering ng Education units in the UT program. Education and Society Stepping In Supporting Innovative Pedagogy with Digital Technologies Public Health Practice ent warning: Justice units deal nology and may cover material offences such as murder, be and abuse. Guidance are asked to make their aware of this content and to mmend these units to those the maturity to deal with such natter.	
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of Educat subjects a undertaki START C EUB102 EUB104 EUB104 Health PUB215 Justice Unit conte with crimi relating to drugs, rap Officers a students a only reco who have subject-m JSB171 Law LLB101 Science Informatio	ion and are enrolled in these at school before considering ng Education units in the UT program. Education and Society Stepping In Supporting Innovative Pedagogy with Digital Technologies Public Health Practice ent warning: Justice units deal nology and may cover material offences such as murder, be and abuse. Guidance are asked to make their aware of this content and to mmend these units to those the maturity to deal with such natter. Justice and Society Introduction to Law	
of Educat subjects a undertaki START C EUB102 EUB104 EUB101 Health PUB215 Justice Unit conte with crimi relating to drugs, rap Officers a students a only reco who have subject-m JSB171 Law LLB101 Science	ion and are enrolled in these at school before considering ng Education units in the UT program. Education and Society Stepping In Supporting Innovative Pedagogy with Digital Technologies Public Health Practice ent warning: Justice units deal nology and may cover material offences such as murder, be and abuse. Guidance are asked to make their aware of this content and to mmend these units to those the maturity to deal with such natter. Justice and Society Introduction to Law	



Science and Mathematics	
MXB105	Calculus and Differential Equations
MXB100	Introductory Calculus and Algebra

Semesters

- Business
- <u>Creative Industries</u>
- Education
- Engineering
- <u>Health</u>
- <u>Justice</u>
 <u>Languages</u>
- Languages
 Law
- Science

Code	Title	
Business		
BSB108	Business Environment	
BSB106	Dynamic Markets	
BSB107	Financial Performance and Responsibility	
BSB105	The Future Enterprise	
BSB130	Social Enterprises	
Creative	Industries	
KNB127	CGI Foundations	
KKB185	Creative Enterprise Studio 1	
KDB123	Dance Legacies	
DYB124	Design Consequences	
KTB120	Diverse Theatre Practice	
CYB102	Introduction to Media and Entertainment Industries	
KPB101	Introduction to Screen Production	
KPB116	Introduction to Screenwriting	
CYB104	Managing Social Media	
KMB129	Music Production 2	
KVB104	Photo Media and Art Practice	
KWB10 4	Writing the Short Story	

Education

Education units offered through the START QUT program will not satisfy the prerequisites for entry to the Bachelor of Education courses. We recommend you check the prerequisites for the Bachelor of Education and are enrolled in these subjects at school before considering undertaking Education units in the START QUT program. EUB112 Child and Adolescent Learning and Development

EUB154	Foundations of Science
EUB151	Nations and Nationalism in Modern Europe
EUB152	Teaching Young Adult Literature
EUB153	Thinking and Communicating Mathematically

	Architectu	ure and Built Environment
	DYB114	Spatial Histories
	UXB133	Urban Studies
	Engineering	
	MZB127	Engineering Mathematics and Statistics
	EGB102	Fundamentals of Engineering Science
	MZB125	Introductory Engineering Mathematics
	Health	
	SWB10 8	Australian Society, Social Justice and Policy
	PYB007	Communication for Health Professionals
-	PYB100	Foundation Psychology
	PUB209	Health, Culture and Society
	LSB258	Principles of Human Physiology
-	NSB105	Wellness Across the Lifespan
	Justice	
	with crimi relating to drugs, raj Officers a students only reco	ent warning: Justice units deal nology and may cover material o offences such as murder, be and abuse. Guidance are asked to make their aware of this content and to mmend these units to those

EUB150 World Regions

Engineering

who have the maturity to deal with such subject-matter. Policy, Governance and **JSB178** Justice Understanding the Criminal **JSB173** Justice System Languages AMB032 Mandarin 2 Law LLB101 Introduction to Law Science Information Technology IFB104 **Building IT Systems** Introduction to Computer IFB102 Systems Science and Mathematics Calculus and Differential MXB105 Equations ERB101 Earth Systems Engineering Mathematics and **MZB127** Statistics ERB102 Evolving Earth BVB101 Foundations of Biology

MXB100	Introductory Calculus and Algebra
MZB125	Introductory Engineering Mathematics

PVB101 Physics of the Very Large

Semesters

- <u>Business</u>
- <u>Creative Industries</u>
- Education
- <u>Health</u>
 <u>Justice</u>
- <u>Law</u>
- Science

Code	Title
Business	
BSB108	Business Environment
BSB106	Dynamic Markets
BSB107	Financial Performance and Responsibility
BSB105	The Future Enterprise
BSB130	Social Enterprises
Creative	Industries
KKB185	Creative Enterprise Studio 1
KTB120	Diverse Theatre Practice
CYB102	Introduction to Media and Entertainment Industries
KPB101	Introduction to Screen Production
KPB116	Introduction to Screenwriting
CYB104	Managing Social Media
KMB129	Music Production 2
KVB104	Photo Media and Art Practice
KWB10 4	Writing the Short Story

Education

Education units offered through the START QUT program will not satisfy the prerequisites for entry to the Bachelor of Education courses. We recommend you check the prerequisites for the Bachelor of Education and are enrolled in these subjects at school before considering undertaking Education units in the START QUT program.

EUB112 Child and Adolescent Learning and Development

Health

PUB209 Health, Culture and Society Justice

Unit content warning: Justice units deal with criminology and may cover material relating to offences such as murder, drugs, rape and abuse. Guidance Officers are asked to make their students aware of this content and to only recommend these units to those who have the maturity to deal with such subject-matter.

JSB178	Policy, Governance and Justice
JSB173	Understanding the Criminal Justice System



Law	
LLB101	Introduction to Law
Science	
Information Technology	
IFB104	Building IT Systems
IFB102	Introduction to Computer Systems
Science and Mathematics	
MXB105	Calculus and Differential Equations
MXB100	Introductory Calculus and Algebra

Year	2022
QUT code	MV01
CRICOS	103172A
Duration (full-time)	4 years
ATAR/Selection rank	84.00
Offer Guarantee	Yes
Domestic fee (indicative)	2022: CSP \$4,500 per year full-time (108 credit points)
International fee (indicative)	2022: \$34,300 per year full-time (108 credit points)
Total credit points	432
Credit points full-time sem.	48
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Additional entry requirements

You must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

To demonstrate this you must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. Details are available from the <u>QTAC initial teacher</u> <u>education webpage</u>.

If you've achieved a 'satisfactory' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the 'satisfactory' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at 'unsatisfactory' after two test attempts for that component.

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Entry requirements

Additional entry requirements Pass the Initial Teacher

Education Course (ITE) Capabilities Criteria.

Applicants must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

You must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. In the questionnaire you will be asked to:

- Rank a series of potentially appropriate statement responses, in order of what you think is most to least important.
- Provide two x 500 word written

statements addressing the categories and indicators as outlined on the <u>Teacher Entry Fact</u> <u>Sheet</u>.

QUT will send you details on how to complete the Initial Teacher Education Course (ITE) Capabilities Criteria questionnaire and submit your written statements after you have lodged an application.

If you've achieved a 'satisfactory' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the 'satisfactory' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at 'unsatisfactory' after two test attempts for that component.

International Assumed knowledge

 Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	7.5
Listening	8.0
Reading	7.0
Writing 7.0	
Speaking	8.0

Domestic Course structure

This course is a vertical double degree, combining MV01 Bachelor of Mathematics with EU50 Master of Teaching (Secondary).

International Course structure

This course is a vertical double degree, combining MV01 Bachelor of Mathematics with EU50 Master of Teaching (Secondary).

Sample Structure

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Summer
 Maths opt
- Maths options *
- Year 2, Semester 1



Bachelor of Mathematics/Master of Teaching (Secondary)

- Year 2, Semester 2 ٠ Year 2, Summer 2 (EU50 Master of Teaching (Secondary))
- Year 3, Semester 1 Year 3, Semester 2 ٠
- Year 4, Semester 1 •
- Year 4, Semester 2

Code	Title
Year 1, S	emester 1
MXB101	Probability and Stochastic Modelling 1
MXB102	Abstract Mathematical Reasoning
MXB106	Linear Algebra
MXB105	Calculus and Differential Equations
Year 1, S	emester 2
MXB103	Introductory Computational Mathematics
MXB107	Introduction to Statistical Modelling
MXB161	Computational Explorations
MXB241	Probability and Stochastic Modelling 2
Summer	
Maths Op	otional unit *
Maths op	tions *
Select on	e unit (12 credit points) from
the list be	low.
MXB100	Introductory Calculus and Algebra
	udents who haven't completed
	Specialist Mathematics MUST
select MX	,
MXB261	Modelling and Simulation Science
MXB262	Visualising Data
SEB104	Grand Challenges in Science
Year 2, S	emester 1
MXB201	Advanced Linear Algebra
MXB225	Modelling with Differential Equations 1
or	
MXB242	Regression and Design
MXB232	Introduction to Operations Research
IFB104	Building IT Systems
Year 2, S	emester 2
MXB202	Advanced Calculus
MXB226	Computational Methods 1
MXB334	Operations Research for Stochastic Processes
CAB201	Programming Principles
	ummer 2 (EU50 Master of
Teaching	(Secondary))
EUN101	Supporting Innovative Pedagogy with Digital Technologies

EUN102	Child and Adolescent Development	
EUN103	Teaching EAL/D Learners	
EUN104	Culture Studies: Indigenous Education	
Year 3, S	emester 1	
EUN105	Teaching in New Times	
EUN120	Curriculum and Pedagogy 1: Foundations	
MXB322	Partial Differential Equations	
OR		
MXB332	Optimisation Modelling	
MXB326	Computational Methods 2	
OR		
MXB341	Statistical Inference	
Year 3, S	emester 2	
EUN109	Inclusive Teaching for Diverse Learners	
EUN110	Teachers as Leaders and Entrepreneurial Thinkers	
EUN121	Curriculum and Pedagogy 2: Planning	
EUN122	Curriculum and Pedagogy 3: Assessment	
EUN130	Professional Experience: Introduction to Professional Practice	
days prof	ed Unit: EUN130. Contains 15 essional experience and a blue card	
Year 4, S	emester 1	
EUN211	Understanding Adolescent Learners	
EUN221	Curriculum and Pedagogy 4: Senior A	
EUN222	Curriculum and Pedagogy 5: Senior B	
EUN231	Professional Experience: Informing Professional Practice	
Designated Unit: EUN231. Contains 20 days professional experience and		
days prof	ed Unit: EUN231. Contains 20 essional experience and	
days prof requires a	ed Unit: EUN231. Contains 20 essional experience and a blue card	
days prof requires a	ed Unit: EUN231. Contains 20 essional experience and a blue card emester 2 Curriculum and Pedagogy 6:	
days prof requires a Year 4, S	ed Unit: EUN231. Contains 20 essional experience and a blue card emester 2	
days prof requires a Year 4, S EUN223 EUN232 Designate days prof requires a	ed Unit: EUN231. Contains 20 essional experience and a blue card emester 2 Curriculum and Pedagogy 6: Learning Project Professional Experience: Transition to Professional Practice ed Unit: EUN232. Contains 25 essional experience and a blue card. Must be taken in semester of study.	
days prof requires a Year 4, S EUN223 EUN232 Designate days prof requires a your final EUN240	ed Unit: EUN231. Contains 20 essional experience and a blue card emester 2 Curriculum and Pedagogy 6: Learning Project Professional Experience: Transition to Professional Practice ed Unit: EUN232. Contains 25 essional experience and a blue card. Must be taken in	

the university for the real world



Advanced Statistical Data MXN600 Analysis

Bachelor of Science (Biological Sciences)/Master of Teaching (Secondary)

Year	2022
QUT code	SV02
CRICOS	103173M
Duration (full-time)	4 years
ATAR/Selection rank	84.00
Offer Guarantee	Yes
Domestic fee (indicative)	2022: CSP \$8,000 per year full-time (108 credit points).
International fee (indicative)	2022: \$41,500 per year full-time (108 credit points)
Total credit points	432
Credit points full-time sem.	48
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Additional entry requirements

You must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

To demonstrate this you must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. Details are available from the QTAC initial teacher education webpage.

If you've achieved a 'satisfactory' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the 'satisfactory' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at 'unsatisfactory' after two test attempts for that component.

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Entry requirements

Additional entry requirements Pass the Initial Teacher

Education Course (ITE) Capabilities Criteria.

Applicants must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

You must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. In the questionnaire you will be asked to:

- · Rank a series of potentially appropriate statement responses, in order of what you think is most to least important.
- Provide two x 500 word written

statements addressing the categories and indicators as outlined on the Teacher Entry Fact Sheet.

QUT will send you details on how to complete the Initial Teacher Education Course (ITE) Capabilities Criteria guestionnaire and submit your written statements after you have lodged an application.

If you've achieved a 'satisfactory' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the 'satisfactory' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at 'unsatisfactory' after two test attempts for that component.

International Assumed knowledge

 Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	7.5
Listening	8.0
Reading	7.0
Writing	7.0
Speaking	8.0

Domestic Course structure

This course is a vertical double degree. combining ST01 Bachelor of Science (Biological Sciences) with EU50 Master of Teaching (Secondary).

International Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science (Biological Sciences) with EU50 Master of Teaching (Secondary).

Sample Structure

Semesters

- Year 1, Semester 1 Year 1 Semester 2
- Year 1 Summer
- Year 2, Semester 1 Year 2, Semester 2



Bachelor of Science (Biological Sciences)/Master of Teaching (Secondary)

Year 3 Semester 2

- Year 2, Summer (EU50 Master of Teaching (Secondary))
- ٠
- Year 3, Semester 1 Year 3, Semester 2 Year 4 Semester 1 ٠
- ٠
- Year 4 Semester 2 ٠

Code	Title
Year 1, S	emester 1
SEB113	Quantitative Methods in Science
SEB115	Experimental Science 1
SEB116	Experimental Science 2
CZB190	Chemistry for Health Sciences
Year 1 Se	emester 2
MXB100	Introductory Calculus and Algebra
BVB101	Foundations of Biology
BVB102	Evolution
Science C	Option Unit
Year 1 Su	ummer
SEB104	Grand Challenges in Science
Year 2, S	emester 1
BVB202	Experimental Design and Quantitative Methods
BVB203	Plant Biology
	03 requires BVB201 as a pre-
requisite, waiver.	please request a requisite
BVB301	Animal Riology
	Animal Biology Option Unit
	emester 2
BVB201	Biological Processes
BVB201 BVB204	Ecology
DVD204	Population Genetics and
BVB313	Molecular Ecology
	13 requires BVB204 as a pre- please request a requisite
Science C	Option Unit
	ummer (EU50 Master of
Teaching	(Secondary))
EUN101	Supporting Innovative Pedagogy with Digital Technologies
EUN102	Child and Adolescent Development
EUN103	Teaching EAL/D Learners
EUN104	Culture Studies: Indigenous Education
Year 3, S	emester 1
EUN105	Teaching in New Times
EUN120	Curriculum and Pedagogy 1: Foundations
BVB305	Microbiology and the Environment
Biology a Research	nd Environmental Science

10010,0	emester 2	
EUN109	Inclusive Teaching for Diverse Learners	
EUN110	Teachers as Leaders and Entrepreneurial Thinkers	
EUN121	Curriculum and Pedagogy 2: Planning	
EUN122	Curriculum and Pedagogy 3: Assessment	
EUN130	Professional Experience: Introduction to Professional Practice	
days prof	ed Unit: EUN130. Contains 15 essional experience and a blue card	
Year 4 Se		
	Understanding Adolescent	
EUN211	Learners	
EUN221	Curriculum and Pedagogy 4: Senior A	
EUN222	Curriculum and Pedagogy 5: Senior B	
EUN231	Professional Experience: Informing Professional Practice	
days prof requires a	ed Unit: EUN231. Contains 20 essional experience and a blue card	
Year 4 Se	emester 2	
EUN223	Curriculum and Pedagogy 6: Learning Project	
EUN232	Professional Experience: Transition to Professional Practice	
days prof requires a	ed Unit: EUN232. Contains 25 essional experience and a blue card. Must be taken in semester of study.	
EUN240	Teachers Researching Practice	
Designated Unit: EUN240. EUN240 is a Capstone unit with Conference and must be taken in your final semester of study. Completion of all units in your course is assumed knowledge. It requires a blue card.		
Select either MXN501 or MXN600 from the Master of Teaching (Secondary) unit		
options. F selected (Please note, the unit you (MXN501 or MXN600) is y for students in the Biological	
options. F selected (mandator Sciences	Please note, the unit you (MXN501 or MXN600) is y for students in the Biological	
options. F selected (mandator Sciences	Please note, the unit you (MXN501 or MXN600) is y for students in the Biological Major.	
options. F selected (mandator Sciences MXN501	Please note, the unit you (MXN501 or MXN600) is y for students in the Biological Major.	

Bachelor of Science (Chemistry)/Master of Teaching (Secondary)

Year	2022
QUT code	SV02
CRICOS	103173M
Duration (full-time)	4 years
ATAR/Selection rank	84.00
Offer Guarantee	Yes
Domestic fee (indicative)	2022: CSP \$8,000 per year full-time (108 credit points).
International fee (indicative)	2022: \$41,500 per year full-time (108 credit points)
Total credit points	432
Credit points full-time sem.	48
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Additional entry requirements

You must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

To demonstrate this you must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. Details are available from the QTAC initial teacher education webpage.

If you've achieved a 'satisfactory' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the 'satisfactory' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at 'unsatisfactory' after two test attempts for that component.

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Entry requirements

Additional entry requirements Pass the Initial Teacher

Education Course (ITE) Capabilities Criteria.

Applicants must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

You must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. In the questionnaire you will be asked to:

- · Rank a series of potentially appropriate statement responses, in order of what you think is most to least important.
- Provide two x 500 word written

statements addressing the categories and indicators as outlined on the Teacher Entry Fact Sheet.

QUT will send you details on how to complete the Initial Teacher Education Course (ITE) Capabilities Criteria questionnaire and submit your written statements after you have lodged an application.

If you've achieved a 'satisfactory' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the 'satisfactory' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at 'unsatisfactory' after two test attempts for that component.

International Assumed knowledge

 Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	7.5
Listening	8.0
Reading	7.0
Writing	7.0
Speaking	8.0

Domestic Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science (Chemistry) with EU50 Master of Teaching (Secondary).

International Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science (Chemistry) with EU50 Master of Teaching (Secondary).

- Year 1, Semester 1 Year 1 Semester 2
- Year 1 Summer Semester
- Year 2, Semester 1 Year 2, Semester 2



Bachelor of Science (Chemistry)/Master of Teaching (Secondary)

- Year 2, Summer 2 (EU50 Master of Teaching (Secondary))
- Year 3, Semester 1 Year 3, Semester 2 Year 4, Semester 1 Year 4, Semester 2 ٠
- ٠
- ٠
- ٠

Year 1, Semester 1CVB101General ChemistryCVB102Chemical Structure and ReactivitySEB115Experimental Science 1SEB116Experimental Science 2Year 1 Semester 2SEB113Quantitative Methods in ScienceMXB100Introductory Calculus and AlgebraCVB203Physical ChemistryScience Option UnitYear 1 Summer SemesterSEB104Grand Challenges in ScienceYear 2, Semester 1CVB201Inorganic ChemistryCVB202Analytical ChemistryCVB203Physical ChemistryCVB204Organic Structure and MechanismsCVB204Organic Structure and MechanismsCVB302Applied Physical ChemistryCVB303Coordination ChemistryScience Option UnitYear 2, Summer 2 (EU50 Master of Teaching (Secondary))EUN101Supporting Innovative Pedagogy with Digital TechnologiesEUN102Child and Adolescent DevelopmentEUN103Teaching EAL/D LearnersEUN104Culture Studies: Indigenous EducationYear 3, Semester 1EUN105Teaching in New TimesEUN106Organic Chemistry: Strategies for SynthesisCVB304Chemistry Research Project Year 3, Semester 2EUN109Inclusive Teaching for Diverse LearnersEUN109Inclusive Teaching for Diverse LearnersEUN109Inclusive Teaching for Diverse LearnersEUN109Inclusive Teaching for Diverse Learners <t< th=""><th>Code</th><th>Title</th></t<>	Code	Title
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EUN120FoundationsCVB301Organic Chemistry: Strategies for SynthesisCVB304Chemistry Research ProjectYear 3, Semester 2EUN109Inclusive Teaching for Diverse LearnersEUN109Teachers as Leaders and Entrepreneurial ThinkersEUN121Curriculum and Pedagogy 2:	EUN105	Teaching in New Times
CVB301for SynthesisCVB304Chemistry Research ProjectYear 3, Semester 2EUN109Inclusive Teaching for Diverse LearnersEUN109Teachers as Leaders and Entrepreneurial ThinkersEUN110Teachers and Pedagogy 2:	EUN120	
Year 3, Semester 2EUN109Inclusive Teaching for Diverse LearnersEUN110Teachers as Leaders and Entrepreneurial ThinkersEUN121Curriculum and Pedagogy 2:	CVB301	
EUN109Inclusive Teaching for Diverse LearnersEUN110Teachers as Leaders and Entrepreneurial ThinkersEUN121Curriculum and Pedagogy 2:	CVB304	Chemistry Research Project
EUN109 Learners EUN110 Teachers as Leaders and Entrepreneurial Thinkers EUN121 Curriculum and Pedagogy 2:	Year 3, S	emester 2
EUN110 Entrepreneurial Thinkers EUN121 Curriculum and Pedagogy 2:	EUN109	
	EUN110	
	EUN121	

FUNKAR	0		
EUN122	Curriculum and Pedagogy 3: Assessment		
EUN130	Professional Experience: Introduction to Professional Practice		
days prof	Designated Unit: EUN130. Contains 15 days professional experience and requires a blue card		
Year 4, S	emester 1		
EUN211	Understanding Adolescent		
EUN221	Learners Curriculum and Pedagogy 4: Senior A		
EUN222	Curriculum and Pedagogy 5: Senior B		
EUN231	Professional Experience: Informing Professional Practice		
days prof	ed Unit: EUN231. Contains 20 essional experience and a blue card		
Year 4, S	emester 2		
EUN223	Curriculum and Pedagogy 6: Learning Project		
EUN232	Professional Experience: Transition to Professional Practice		
days prof	Designated Unit: EUN232. Contains 25 days professional experience and requires a blue card. Must be taken in your final semester of study.		
EUN240	Teachers Researching Practice		
Designated Unit: EUN240. EUN240 is a Capstone unit with Conference and must be taken in your final semester of study. Completion of all units in your course is assumed knowledge. It requires a blue card.			
Select either MXN501 or MXN600 from the Master of Teaching (Secondary) unit options. Please note, the unit you selected (MXN501 or MXN600) is mandatory for students in the Chemistry Major.			
MXN501	Stochastic Modelling		
OR			
MXN600	Advanced Statistical Data Analysis		
MXN600) Bachelor	ote, this unit (MXN501 or is credited towards SV02 of Science (Chemistry)/ Master ng (Secondary).		



Bachelor of Science (Earth Science)/Master of Teaching (Secondary)

Year	2022
QUT code	SV02
CRICOS	103173M
Duration (full-time)	4 years
ATAR/Selection rank	84.00
Offer Guarantee	Yes
Domestic fee (indicative)	2022: CSP \$8,000 per year full-time (108 credit points).
International fee (indicative)	2022: \$41,500 per year full-time (108 credit points)
Total credit points	432
Credit points full-time sem.	48
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Additional entry requirements

You must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

To demonstrate this you must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. Details are available from the QTAC initial teacher education webpage.

If you've achieved a 'satisfactory' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the 'satisfactory' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at 'unsatisfactory' after two test attempts for that component.

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Entry requirements

Additional entry requirements Pass the Initial Teacher

Education Course (ITE) Capabilities Criteria.

Applicants must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

You must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. In the questionnaire you will be asked to:

- · Rank a series of potentially appropriate statement responses, in order of what you think is most to least important.
- Provide two x 500 word written

statements addressing the categories and indicators as outlined on the Teacher Entry Fact Sheet.

QUT will send you details on how to complete the Initial Teacher Education Course (ITE) Capabilities Criteria questionnaire and submit your written statements after you have lodged an application.

If you've achieved a 'satisfactory' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the 'satisfactory' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at 'unsatisfactory' after two test attempts for that component.

International Assumed knowledge

 Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	7.5
Listening	8.0
Reading	7.0
Writing	7.0
Speaking	8.0

Domestic Course structure

This course is a vertical double degree. combining ST01 Bachelor of Science (Earth Science) with EU50 Master of Teaching (Secondary).

International Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science (Earth Science) with EU50 Master of Teaching (Secondary).

- Year 1, Semester 1
- Year 1 Semester 2
- Year 1 Summer Semester
- Year 2, Semester 1 Year 2, Semester 2



Bachelor of Science (Earth Science)/Master of Teaching (Secondary)

- (EU50 Master of Teaching (Secondary))
- ٠
- Year 3, Semester 1 Year 3, Semester 2 Year 4, Semester 1 ٠
- ٠
- Year 4, Semester 2 •

Code	Title	
Year 1, S	emester 1	
SEB113	Quantitative Methods in Science	
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
ERB201	Destructive Earth: Natural Hazards	
Year 1 Se	emester 2	
MXB100	Introductory Calculus and Algebra	
ERB101	Earth Systems	
ERB102	Evolving Earth	
	Option Unit	
	ummer Semester	
SEB104	Grand Challenges in Science	
Year 2, S	emester 1	
ERB202	Marine and Atmospheric Systems	
ERB301	Chemical Earth	
ERB205	Earth Materials	
Maths Op		
rear 2, S	emester 2	
ERB203	Sedimentary Geology and Stratigraphy	
ERB204	Deforming Earth: Fundamentals of Structural Geology	
ERB206	Petrology	
	Option Unit	
(EU50 Ma	aster of Teaching (Secondary))	
EUN101	Supporting Innovative Pedagogy with Digital Technologies	
EUN102	Child and Adolescent Development	
EUN103	Teaching EAL/D Learners	
EUN104	Culture Studies: Indigenous Education	
Year 3, Semester 1		
EUN105	Teaching in New Times	
EUN120	Curriculum and Pedagogy 1: Foundations	
ERB302	Applied Geophysics	
ERB305	Geological Field Methods	
Year 3, S	emester 2	
EUN109	Inclusive Teaching for Diverse Learners	
EUN110	Teachers as Leaders and Entrepreneurial Thinkers	
EUN121	Curriculum and Pedagogy 2:	

Planning Curriculum and Pedagogy 3: Assessment		
///////////////////////////////////////		
Professional Experience: Introduction to Professional Practice		
Designated Unit: EUN130. Contains 15 days professional experience and requires a blue card		
emester 1		
Understanding Adolescent Learners		
Curriculum and Pedagogy 4: Senior A		
Curriculum and Pedagogy 5: Senior B		
Professional Experience: Informing Professional Practice		
ed Unit: EUN231. Contains 20 essional experience and a blue card		
emester 2		
Curriculum and Pedagogy 6: Learning Project		
Professional Experience: Transition to Professional Practice		
Designated Unit: EUN232. Contains 25 days professional experience and requires a blue card. Must be taken in your final semester of study.		
Teachers Researching Practice		
Designated Unit: EUN240. EUN240 is a Capstone unit with Conference and must be taken in your final semester of study. Completion of all units in your course is assumed knowledge. It requires a blue card.		
Select either MXN501 or MXN600 from the Master of Teaching (Secondary) unit options. Please note, the unit you selected (MXN501 or MXN600) is mandatory for students in the Earth Science Major.		
Stochastic Modelling		
Advanced Statistical Data Analysis		
te, this unit (MXN501 or is credited towards SV02 of Science (Earth Science)/ Teaching (Secondary).		



Year	2022
QUT code	SV02
CRICOS	103173M
Duration (full-time)	4 years
ATAR/Selection rank	84.00
Offer Guarantee	Yes
Domestic fee (indicative)	2022: CSP \$8,000 per year full-time (108 credit points).
International fee (indicative)	2022: \$41,500 per year full-time (108 credit points)
Total credit points	432
Credit points full-time sem.	48
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Additional entry requirements

You must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

To demonstrate this you must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. Details are available from the <u>QTAC initial teacher</u> <u>education webpage</u>.

If you've achieved a '*satisfactory*' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the '*satisfactory*' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at '*unsatisfactory*' after two test attempts for that component.

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Entry requirements

Additional entry requirements Pass the Initial Teacher

Education Course (ITE) Capabilities Criteria.

Applicants must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

You must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. In the questionnaire you will be asked to:

- Rank a series of potentially appropriate statement responses, in order of what you think is most to least important.
- Provide two x 500 word written

statements addressing the categories and indicators as outlined on the <u>Teacher Entry Fact</u> <u>Sheet</u>.

QUT will send you details on how to complete the Initial Teacher Education Course (ITE) Capabilities Criteria questionnaire and submit your written statements after you have lodged an application.

If you've achieved a 'satisfactory' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the 'satisfactory' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at 'unsatisfactory' after two test attempts for that component.

International Assumed knowledge

• Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	7.5
Listening	8.0
Reading	7.0
Writing	7.0
Speaking	8.0

Domestic Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science (Environmental Science) with EU50 Master of Teaching (Secondary).

International Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science (Environmental Science) with EU50 Master of Teaching (Secondary).

- Year 1, Semester 1
- Year 1, Semester 2
- Year 1 Summer Semester
- Year 2, Semester 1 Year 2, Semester 2



Bachelor of Science (Environmental Science)/Master of Teaching (Secondary)

- Year 2, Summer (EU50 Master of Teaching (Secondary))
- ٠
- Year 3, Semester 1 Year 3, Semester 2 Year 4, Semester 1 Year 4, Semester 2 ٠
- •
- •

Code	Title
rear 1, S	emester 1
SEB113	Quantitative Methods in Science
SEB115	Experimental Science 1
SEB116	Experimental Science 2
CZB190	Chemistry for Health Sciences
Year 1, S	emester 2
MXB100	Introductory Calculus and Algebra
ERB101	Earth Systems
EVB102	Ecosystems and the Environment
Science C	Option Unit
Year 1 Su	ummer Semester
SEB104	Grand Challenges in Science
Year 2, S	emester 1
EVB312	Soils and the Environment
BVB202	Experimental Design and Quantitative Methods
EVB203	Geospatial Information Science
Science (Option Unit
Year 2, S	emester 2
ERB310	Groundwater Systems
BVB204	Ecology
EVB302	Environmental Pollution
Science C	Option Unit
Year 2, S	ummer (EU50 Master of
Teaching	(Secondary))
EUN101	Supporting Innovative Pedagogy with Digital Technologies
EUN102	Child and Adolescent Development
EUN103	Teaching EAL/D Learners
EUN104	Culture Studies: Indigenous Education
Year 3, S	emester 1
EUN105	Teaching in New Times
EUN120	Curriculum and Pedagogy 1: Foundations
BVB311	Conservation Biology
Biology a Research	nd Environmental Science
Year 3, S	emester 2
EUN109	Inclusive Teaching for Diverse Learners
EUN110	Teachers as Leaders and Entrepreneurial Thinkers
EUN121	Curriculum and Pedagogy 2:

EUN122 Assess EUN130 Profess Introdu Practic Designated Unit: days professiona requires a blue ca Year 4, Semester	Ilum and Pedagogy 3: sment sional Experience: ction to Professional e EUN130. Contains 15 I experience and ard r 1 standing Adolescent rs	
EUN122 Assess EUN130 Profess Introdu Practic Designated Unit: days professiona requires a blue ca Year 4, Semester EUN211 Unders	sment sional Experience: ction to Professional e EUN130. Contains 15 I experience and ard r 1 standing Adolescent rs	
EUN130 Introdu Practic Designated Unit: days professiona requires a blue ca Year 4, Semester FUN211 Unders	ction to Professional e EUN130. Contains 15 I experience and ard 1 standing Adolescent rs	
days professiona requires a blue ca Year 4, Semester ELIN211 Unders	I experience and ard r 1 standing Adolescent rs	
Year 4, Semester	r 1 standing Adolescent rs	
EUN211 Unders	standing Adolescent	
	rs	
EUN221 Curricu Senior	Ilum and Pedagogy 4: A	
EUN222 Curricu Senior	llum and Pedagogy 5: B	
	sional Experience:	
EUN231 Informi Practic	ng Professional e	
	EUN231. Contains 20	
days professiona requires a blue ca		
Year 4, Semester		
	Ilum and Pedagogy 6:	
Learnir	ng Project	
	sional Experience: ion to Professional e	
days professiona	Designated Unit: EUN232. Contains 25 days professional experience and requires a blue card. Must be taken in	
-	ers Researching	
Designated Unit: EUN240. EUN240 is a Capstone unit with Conference and must be taken in your final semester of study. Completion of all units in your course is assumed knowledge. It requires a blue card.		
Select either MXN501 or MXN600 from the Master of Teaching (Secondary) unit options. Please note, the unit you selected (MXN501 or MXN600) is		
mandatory for stu Environmental So		
MXN501 Stocha	stic Modelling	
OR	-	
MXN600 Advand Analys	ced Statistical Data	
Please note, this unit (MXN501 or MXN600) is credited towards SV02 Bachelor of Science (Environmental Science)/ Master of Teaching (Secondary)		



Year	2022
QUT code	SV02
CRICOS	103173M
Duration (full-time)	4 years
ATAR/Selection rank	84.00
Offer Guarantee	Yes
Domestic fee (indicative)	2022: CSP \$8,000 per year full-time (108 credit points).
International fee (indicative)	2022: \$41,500 per year full-time (108 credit points)
Total credit points	432
Credit points full-time sem.	48
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Additional entry requirements

You must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

To demonstrate this you must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. Details are available from the QTAC initial teacher education webpage.

If you've achieved a 'satisfactory' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the 'satisfactory' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at 'unsatisfactory' after two test attempts for that component.

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Entry requirements

Additional entry requirements Pass the Initial Teacher

Education Course (ITE) Capabilities Criteria.

Applicants must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

You must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. In the questionnaire you will be asked to:

- · Rank a series of potentially appropriate statement responses, in order of what you think is most to least important.
- Provide two x 500 word written

statements addressing the categories and indicators as outlined on the Teacher Entry Fact Sheet.

QUT will send you details on how to complete the Initial Teacher Education Course (ITE) Capabilities Criteria questionnaire and submit your written statements after you have lodged an application.

If you've achieved a 'satisfactory' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the 'satisfactory' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at 'unsatisfactory' after two test attempts for that component.

International Assumed knowledge

 Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	7.5
Listening	8.0
Reading	7.0
Writing	7.0
Speaking	8.0

Domestic Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science (Physics) with EU50 Master of Teaching (Secondary).

International Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science (Physics) with EU50 Master of Teaching (Secondary).

- Year 1, Semester 1
- Year 1 Semester 2 ٠ Year 2, Semester 1
- •
- Year 2, Semester 2 Year 2, Summer (EU50 Master of



Bachelor of Science (Physics)/Master of Teaching (Secondary)

Teaching (Secondary))

- Year 3, Semester 1
- Year 3, Semester 1
 Year 4, Semester 1
 Year 4, Semester 2

	litle
Year 1, S	emester 1
SEB113	Quantitative Methods in Science
SEB115	Experimental Science 1
SEB116	Experimental Science 2
SEB104	Grand Challenges in Science
Year 1 Se	emester 2
MXB100	Introductory Calculus and Algebra
PVB101	Physics of the Very Large
PVB102	Physics of the Very Small
	Option Unit
Year 2, S	emester 1
PVB202	Mathematical Methods in Physics
PVB203	Experimental Physics
Science C	Option Unit
Science C	Option Unit
Year 2, S	emester 2
PVB200	Computational and Mathematical Physics
PVB204	Electromagnetism
Science C	Option Unit
Science C	Option Unit
	ummer (EU50 Master of
Teaching	(Secondary))
EUN101	Supporting Innovative Pedagogy with Digital Technologies
EUN 1400	Child and Adolescent
EUN102	Development
EUN102 EUN103	
	Development
EUN103	Development Teaching EAL/D Learners Culture Studies: Indigenous
EUN103 EUN104	Development Teaching EAL/D Learners Culture Studies: Indigenous Education Physics Research
EUN103 EUN104 PVB304	Development Teaching EAL/D Learners Culture Studies: Indigenous Education Physics Research
EUN103 EUN104 PVB304 Year 3, S	Development Teaching EAL/D Learners Culture Studies: Indigenous Education Physics Research emester 1
EUN103 EUN104 PVB304 Year 3, S EUN105	Development Teaching EAL/D Learners Culture Studies: Indigenous Education Physics Research emester 1 Teaching in New Times Curriculum and Pedagogy 1:
EUN103 EUN104 PVB304 Year 3, S EUN105 EUN120	Development Teaching EAL/D Learners Culture Studies: Indigenous Education Physics Research emester 1 Teaching in New Times Curriculum and Pedagogy 1: Foundations Materials and Thermal
EUN103 EUN104 PVB304 Year 3, S EUN105 EUN120 PVB301 PVB302	Development Teaching EAL/D Learners Culture Studies: Indigenous Education Physics Research emester 1 Teaching in New Times Curriculum and Pedagogy 1: Foundations Materials and Thermal Physics Classical and Quantum
EUN103 EUN104 PVB304 Year 3, S EUN105 EUN120 PVB301 PVB302	Development Teaching EAL/D Learners Culture Studies: Indigenous Education Physics Research emester 1 Teaching in New Times Curriculum and Pedagogy 1: Foundations Materials and Thermal Physics Classical and Quantum Physics
EUN103 EUN104 PVB304 Year 3, S EUN105 EUN120 PVB301 PVB302 Year 3, S	Development Teaching EAL/D Learners Culture Studies: Indigenous Education Physics Research emester 1 Teaching in New Times Curriculum and Pedagogy 1: Foundations Materials and Thermal Physics Classical and Quantum Physics emester 2 Inclusive Teaching for Diverse
EUN103 EUN104 PVB304 Year 3, S EUN105 EUN120 PVB301 PVB302 Year 3, S EUN109	Development Teaching EAL/D Learners Culture Studies: Indigenous Education Physics Research emester 1 Teaching in New Times Curriculum and Pedagogy 1: Foundations Materials and Thermal Physics Classical and Quantum Physics emester 2 Inclusive Teaching for Diverse Learners Teachers as Leaders and

	/ lococomon
EUN130	Professional Experience: Introduction to Professional Practice
	ed Unit: EUN130. Contains 15 essional experience and
requires a	a blue card
Year 4, S	emester 1
EUN211	Understanding Adolescent Learners
EUN221	Curriculum and Pedagogy 4: Senior A
EUN222	Curriculum and Pedagogy 5: Senior B
EUN231	Professional Experience: Informing Professional Practice
Designated Unit: EUN231. Contains 20 days professional experience and requires a blue card	
Year 4, Semester 2	
EUN223	Curriculum and Pedagogy 6: Learning Project
EUN232	Professional Experience: Transition to Professional Practice
Designated Unit: EUN232. Contains 25 days professional experience and requires a blue card. Must be taken in your final semester of study.	
EUN240	Teachers Researching Practice
Designated Unit: EUN240. EUN240 is a Capstone unit with Conference and must be taken in your final semester of study. Completion of all units in your course is assumed knowledge. It requires a blue card.	
Select PCN113 from the Master of Teaching (Secondary) unit options. Please note, PCN113 is mandatory for students in the Physics Major.	
students PCN113	Radiation Physics

Assessment



QUT

Year	2022
QUT code	SV02
CRICOS	103173M
Duration (full-time)	4 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Domestic fee (indicative)	2022: CSP \$8,000 per year full-time (108 credit points).
International fee (indicative)	2022: \$41,500 per year full-time (108 credit points)
Total credit points	432
Credit points full-time sem.	48
Start months	February
Int. Start Months	February
Course Coordinator	

International Entry requirements Additional entry requirements

Pass the Initial Teacher Education Course (ITE) Capabilities Criteria.

Applicants must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

You must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. In the questionnaire you will be asked to:

- Rank a series of potentially appropriate statement responses, in order of what you think is most to least important.
- Provide two x 500 word written statements addressing the categories and indicators as outlined on the <u>Teacher Entry Fact</u> <u>Sheet</u>.

QUT will send you details on how to complete the Initial Teacher Education Course (ITE) Capabilities Criteria questionnaire and submit your written statements after you have lodged an application.

Course requirements: Literacy and numeracy

You will need to successfully complete the National Literacy and Numeracy Test for Initial Teacher Education Students to graduate from the course. You are permitted three test attempts in total for each component as a student at QUT. If you fail three test attempts for each component, you will not be able to graduate. You are not eligible to apply for a place in the course if you have failed two test attempts for one or more components, at another institution. The test will assess your personal literacy and numeracy skills. QUT provides you with one reimbursement to cover the cost of the test. For more information view additional course requirements.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language
Testing System)Overall7.5

Listening	8.0
Reading	7.5
Writing	7.5
Speaking	8.0
Writing	7.5

Domestic Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science with EU50 Master of Teaching (Secondary).

International Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science with EU50 Master of Teaching (Secondary).

