Diploma in Engineering

Year	2020
QUT code	EN02
CRICOS	086329G
Duration (full-time international)	8-12 months
ОР	15
Rank	68
International fee (indicative)	2020: \$29,828 per course (96 credit points)
Total credit points	96
Credit points full-time sem.	48
Course Coordinator	Dr Annetta Spathis (annetta.spathis@qut.edu .au)
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

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

Overview

The Diploma in Engineering, which has intakes for international students in February, June and October, is equivalent to the first year of the Bachelor of Enginering. In this program, students study six first year faculty core units as well as two units of Communication which have been designed to support their other core units. Students who successfully complete these units earn full academic credit for eight units towards their degree. Graduates articulate to the second year of the Bachelor of Engineering. Small lectures and tutorials, additional workshops and the support of Language and Welfare Advisers provide an excellent learning environment.

Entry Requirements - Academic

Successful completion of senior high school with the required grades. Students can find more detailed country specific entry requirements at the following web site:

http://www.qut.edu.au/international/applyi

English Language Requirements

Queensland Senior English (Low Achievement) or IELTS 5.5 with no subscore less than 5.0 or TOEFL iBT Overall score of 69 (at least 18 in writing and reading and 17 or more in listening and speaking) or TOEFL 525 (paper) or TOEFL 193 (CBT) or equivalent, or successful completion of the EAP

program. (N.B. Students should also check visa requirements).

Progression

Requirements for progression to the second year of the QUT Bachelor of Engineering program:

i) fulfil the Diploma course requirements, ii) achieve a minimum GPA of 4.0

Course Completion

Students must obtain at least a grade of 4 (Pass) or better in all units.

Abbreviation

DipEng

Sample Structure

Code	Title	
Semester	Semester 1	
EGD113	Energy in Engineering Systems	
EGD121	Engineering Mechanics	
EGD125	Introductory Engineering Mathematics	
QCD110	Academic Communication 1	
Semester	Semester 2	
EGD120	Foundations of Electrical Engineering	
EGD126	Engineering Computation	
EGD270	Civil Engineering Materials	
QCD210	Academic Communication 2	

Semesters

- Semster One
- Semester Two
- Semester Three
- *Units offered are subject to availability

Code	Title	
Semster (Semster One	
EGD113	Energy in Engineering Systems	
EGD125	Introductory Engineering Mathematics	
QCD110	Academic Communication 1	
Semester Two		
EGD121	Engineering Mechanics	
EGD126	Engineering Computation	
QCD210	Academic Communication 2	
Semester	Semester Three	
EGD120	Foundations of Electrical Engineering	
EGD270	Civil Engineering Materials	
*Units offered are subject to availability		





Diploma in Information Technology

Year	2020
QUT code	IT10
CRICOS	081616G
Duration (full-time international)	8-12 months
ОР	15
Rank	68
International fee (indicative)	2020: \$21,570 per course (96 credit points)
Total credit points	96
Credit points full-time sem.	48
Course Coordinator	Dr Annetta Spathis (annetta.spathis@qut.edu .au)
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

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	
Semester	Semester One	
ITD103	IT Systems Design	
ITD104	Building IT Systems	
ITD105	Database Management	
QCD110	Academic Communication 1	
Semester Two		
ITD102	Introduction to Computer	

	Systems
ITD121	Programming Principles
ITD122	Modelling Techniques for Information Systems
QCD210	Academic Communication 2

Semesters

- Semester One
- Semester Two
- Semester Three
- * Units offered subject to availability

Code	Title	
Semester	One	
ITD104	Building IT Systems	
ITD105	Database Management	
QCD110	Academic Communication 1	
Semester	Two	
ITD103	IT Systems Design	
ITD121	Programming Principles	
QCD210	Academic Communication 2	
Semester Three		
ITD102	Introduction to Computer Systems	
ITD122	Modelling Techniques for Information Systems	
* Units of	fered subject to availability	





Bachelor of Engineering (Honours)

Year	2020
QUT code	EN01
CRICOS	084921G
Duration (full-time)	4 years
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$9,600 per year full-time (96 credit points)
International fee (indicative)	2020: \$41,500 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	SEF Enquiries - email: sef.enquiry@qut.edu.au; ph: +61 7 3138 8822

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)

We assume that you have knowledge equivalent to four semesters at high school level (Years 11 and 12) with sound achievement (4, SA). Recommended study: Chemistry, Maths C and Physics.

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies. Recommended study: Chemistry, Maths C and Physics.

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

Professional Recognition

Full professional accreditation from Engineers Australia has been given for all primary majors in this course.

Complementary Studies

You have the opportunity to undertake a second major or two minors. A second major is a set of eight units (96 credit points) in the same discipline. A minor is a set of four units (48 credit points) in the same discipline. You will select your primary major, second major and/or minors after the completion of your first year.

Special Course Requirements

A candidate for the degree of Bachelor of Engineering (Honours) must obtain at least 60 days of industrial experience/practice in an engineering environment as approved by the course coordinator.

International Student Entry

International students must maintain an enrolment program that will allow them to complete their course within the specified timeframe of their eCoE (electronic Confirmation of Enrolment).

Course Design

Your QUT Bachelor of Engineering (Honours) degree consists of 384 credit points (32 units) arranged as follows:

- (a) First Year: Four (4) core units 48cp + two (2) Discipline Foundation units 24cp + two (2) option units 24cp (96 credit points)
- (b) 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

Available Majors are:

- Civi
- · Computer and Software Systems
- Electrical
- Electrical and Aerospace
- Mechatronics
- Mechanical
- · Medical, or
- Process
- (c) Complementary Studies: 1 x Second Major (8 unit set) or 2 x Minor (4 unit set each)from the options specified for your chosen major. (96 credit points)

Pathways to Further Study

The (EN01) Bachelor of Engineering (Honours) is located at Level 8 of the Australian Qualifications Framework (AQF). Graduates may be eligible for discipline relevant Masters and/or Doctoral level programs.

Code	Title	
Year 1 - Semester 1		
EGB100	Engineering Sustainability and	



Bachelor of Engineering (Honours)

	Professional Practice	
EGB111	Foundation of Engineering Design	
EGB113	Energy in Engineering Systems	
MZB125	Introductory Engineering Mathematics	
OR		
MXB161	Computational Explorations	
Year 1 - Semester 2		
MZB126	Engineering Computation	
Plus 36cp from ONE of the Engineering Foundation Strands		

If you're intended to select Medical Engineering Major, please refer your first year study plan at Medical major 1st Year - July Entry

Code	Title	
Year 1 - Semester 2		
MZB125	Introductory Engineering Mathematics	
OR		
MXB161	Computational Explorations	
EGB100	Engineering Sustainability and Professional Practice	
PVB101	Physics of the Very Large	
PVB101 is the substitute unit of EGB113 in semester 2		
Plus select 12cp (1 unit) from ONE of the Engineering Foundation Strands		
Year 2 - Semester 1		
MZB126	Engineering Computation	
EGB111	Foundation of Engineering Design	
Plus select 24cp (2 units) from ONE of the Engineering Foundation Strands		





Bachelor of Engineering (Honours) (Chemical Process)

Year	2020
QUT code	EN01
CRICOS	084921G
Duration (full-time)	4 years
ОР	12
Rank	75
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$9,600 per year full-time (96 credit points)
International fee (indicative)	2020: \$41,500 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	SEF Enquiries - email: sef.enquiry@qut.edu.au; ph: +61 7 3138 8822
Discipline Coordinator	Dr Thomas Rainey

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)

We assume that you have knowledge equivalent to four semesters at high school level (Years 11 and 12) with sound achievement (4, SA). Recommended study: Chemistry, Maths C and Physics.

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies. Recommended study: Chemistry, Maths C and 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

Professional Recognition

Full professional accreditation from Engineers Australia has been given for this course.

Complementary Studies

You will have the opportunity to undertaken either a 2nd major or two minors.

Special Course Requirements

A candidate for the degree of Bachelor of Engineering (Honours)(Process) must obtain at least 60 days of industrial experience/practice in an engineering environment as approved by the course coordinator.

International Student Entry

International students must maintain an enrolment program that will allow them to complete their course within the specified timeframe of their eCoE (electronic Confirmation of Enrolment).

Domestic Course structure

To graduate with a Bachelor of Engineering (Honours), students are required to complete 384 credit points of course units, as outlined below:

- First year (96 credit points): four core units 48cp + one Maths option unit 12cp + foundation strand options 36cp (include two discipline foundation units 24cp + one option unit 12cp)
- Major: one (1) block of eight (8) major units 96cp plus eight (8) honours-level units 96cp (192 credit points)
- Complementary studies: one x second major or two x minor (96 credit points).

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x advanced major units 60cp.

International Course structure

To graduate with a Bachelor of Engineering (Honours), students are required to complete 384 credit points of course units, as outlined below:

- First year (96 credit points): four core units 48cp + one Maths option unit 12cp + foundation strand options 36cp (include two discipline foundation units 24cp + one option unit 12cp)
- Major: One (1) block of eight (8) major units 96cp plus eight (8) Honours level units 96cp (192 credit points)
- Complementary Studies: 1 x 2nd major or 2 x minor (96 credit points)

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x Advanced major units 60cp

Code	Title
Year 1 - Semester 1	
EGB100	Engineering Sustainability and Professional Practice
EGB111	Foundation of Engineering Design
EGB113	Energy in Engineering Systems



Bachelor of Engineering (Honours) (Chemical Process)

MZB125	Introductory Engineering Mathematics	
OR		
MXB161	Computational Explorations	
Year 1 - Semester 2		
MZB126	Engineering Computation	
Plus 36cp from ONE of the Engineering Foundation Strands		

Semesters

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

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

• rear 4, Semester 2		
Code	Title	
Year 2, S	emester 1	
EGB261	Unit Operations	
EGB262	Process Principles	
EGB323	Fluid Mechanics	
2nd Major/Minor Unit		
Year 2, S	emester 2	
CVB101	General Chemistry	
EGB322	Thermodynamics	
2nd Majo	r/Minor Unit	
2nd Major/Minor Unit		
Year 3, S	emester 1	
EGB361	Minerals and Minerals Processing	
EGB362	Operations Management and Process Economics	
2nd Majo	r/Minor Unit	
2nd Majo	r/Minor Unit	
Year 3, S	emester 2	
EGB364	Process Modelling	
EGH404	Research in Engineering	
EGF1404	Practice	
	Practice Industrial Chemistry	
EGH411		
EGH411 EGH422	Industrial Chemistry	
EGH411 EGH422	Industrial Chemistry Advanced Thermodynamics	
EGH411 EGH422 Year 4, S EGH400	Industrial Chemistry Advanced Thermodynamics emester 1	
EGH411 EGH422 Year 4, S EGH400 -1 EGH463	Industrial Chemistry Advanced Thermodynamics emester 1 Research Project 1	
EGH411 EGH422 Year 4, S EGH400 -1 EGH463 2nd Majo	Industrial Chemistry Advanced Thermodynamics emester 1 Research Project 1 Plant and Process Design	
EGH411 EGH422 Year 4, S EGH400 -1 EGH463 2nd Majo 2nd Majo	Industrial Chemistry Advanced Thermodynamics emester 1 Research Project 1 Plant and Process Design r/Minor Unit	
EGH411 EGH422 Year 4, S EGH400 -1 EGH463 2nd Majo 2nd Majo	Industrial Chemistry Advanced Thermodynamics emester 1 Research Project 1 Plant and Process Design r/Minor Unit	
EGH411 EGH422 Year 4, S EGH400 -1 EGH463 2nd Majo 2nd Majo Year 4, S EGH400 -2	Industrial Chemistry Advanced Thermodynamics emester 1 Research Project 1 Plant and Process Design r/Minor Unit r/Minor Unit emester 2	
EGH411 EGH422 Year 4, S EGH400 -1 EGH463 2nd Majo 2nd Majo Year 4, S EGH400 -2	Industrial Chemistry Advanced Thermodynamics emester 1 Research Project 1 Plant and Process Design r/Minor Unit r/Minor Unit emester 2 Research Project 2 Fluids Dynamics	





Bachelor of Engineering (Honours) (Civil)

Year	2020
QUT code	EN01
CRICOS	084921G
Duration (full-time)	4 years
ОР	12
Rank	75
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$9,600 per year full-time (96 credit points)
International fee (indicative)	2020: \$41,500 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	SEF Enquiries - email: sef.enquiry@qut.edu.au; ph: +61 7 3138 8822
Discipline Coordinator	Associate Professor Jonathan Bunker

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)

We assume that you have knowledge equivalent to four semesters at high school level (Years 11 and 12) with sound achievement (4, SA). Recommended study: Chemistry, Maths C and Physics.

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies. Recommended study: Chemistry, Maths C and 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

Professional Recognition

Full professional accreditation from Engineers Australia has been given for this course.

Complementary Studies

You will have the opportunity to undertaken either a 2nd major or two minors.

Special Course Requirements

A candidate for the degree of Bachelor of Engineering (Honours)(Civil) must obtain at least 60 days of industrial experience/practice in an engineering environment as approved by the course coordinator.

International Student Entry

International students must maintain an enrolment program that will allow them to complete their course within the specified timeframe of their eCoE (electronic Confirmation of Enrolment).

Domestic Course structure

To graduate with a Bachelor of Engineering (Honours), students are required to complete 384 credit points of course units, as outlined below:

- First year (96 credit points): four core units 48cp + one Maths option unit 12cp + foundation strand options 36cp (include two discipline foundation units 24cp + one option unit 12cp)
- Major(192 credit points): one (1) block of eight (8) major units 96cp plus eight (8) honours-level units 96cp
- Complementary studies(96 credit points): one x second major or two x minor

Honours units to consist of:

- Research methods 12cp
- Proiect 24cp
- 5 x advanced major units 60cp.

International Course structure

To graduate with a Bachelor of Engineering (Honours), students are required to complete 384 credit points of course units, as outlined below:

- First year (96 credit points): four core units 48cp + one Maths option unit 12cp + foundation strand options 36cp (include two discipline foundation units 24cp + one option unit 12cp)
- Major(192 credit points): one (1) block of eight (8) major units 96cp plus eight (8) honours-level units 96cp
- Complementary studies(96 credit points): one x second major or two x minor.

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x advanced major units 60cp.

Code	Title	
Year 1 - Semester 1		
EGB100	Engineering Sustainability and Professional Practice	
EGB111	Foundation of Engineering Design	
EGB113	Energy in Engineering	



Bachelor of Engineering (Honours) (Civil)

	Systems	
MZB125	Introductory Engineering Mathematics	
OR		
MXB161	Computational Explorations	
Year 1 - Semester 2		
MZB126	Engineering Computation	

Plus 36cp from ONE of the Engineering

2nd Major/Minor unit 2nd Major/Minor unit

Semesters

• Year 2, Semester 1

Foundation Strands

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

 Year 4, Semester 2 		
Code	Title	
Year 2, S	emester 1	
EGB270	Civil Engineering Materials	
EGB272	Traffic and Transport Engineering	
EGB275	Structural Mechanics	
EGB371	Engineering Hydraulics	
Year 2, S	emester 2	
EGB273	Principles of Construction	
EGB373	Geotechnical Engineering	
EGB376	Steel Design	
EGH471	Advanced Water Engineering	
Year 3, S	emester 1	
EGB375	Design of Concrete Structures	
EGH473	Advanced Geotechnical Engineering	
2nd Majo	r/Minor unit	
2nd Majo	r/Minor unit	
Year 3, S	emester 2	
EGH404	Research in Engineering Practice	
EGH472	Advanced Highway and Pavement Engineering	
EGH475	Advanced Concrete Structures	
2nd Majo	r/Minor unit	
Year 4, S	emester 1	
EGH400 -1	Research Project 1	
2nd Major/Minor unit		
2nd Major/Minor unit		
2nd Major/Minor unit		
Year 4, S	emester 2	
EGH400 -2	Research Project 2	
EGH479	Advances in Civil Engineering Practice	





Bachelor of Engineering (Honours) (Computer and Software Systems)

Year 2020
QUT code EN01
CRICOS 084921G
Duration 4 years (full-time)
OP 12
Rank 75
Offer Guarantee Yes
Campus Gardens Point
Domestic fee (indicative) 2020 CSP \$9,600 per year full-time (96 credit points)
International fee (indicative) 2020: \$41,500 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 SEF Enquiries - email: sef.enquiry@qut.edu.au; ph: +61 7 3138 8822
Coordinator Dr Wayne Kelly w.kelly@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)

We assume that you have knowledge equivalent to four semesters at high school level (Years 11 and 12) with sound achievement (4, SA). Recommended study: Chemistry, Maths C and Physics.

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies. Recommended study: Chemistry, Maths C and 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

Professional Recognition

Full professional accreditation from Engineers Australia has been given for this course.

Complementary Studies

You will have the opportunity to undertaken either a 2nd major or two minors.

Special Course Requirements

A candidate for the degree of Bachelor of Engineering (Honours)(Computer and Software Systems) must obtain at least 60 days of industrial experience/practice in an engineering environment as approved by the course coordinator.

International Student Entry

International students must maintain an enrolment program that will allow them to complete their course within the specified timeframe of their eCoE (electronic Confirmation of Enrolment).

Domestic Course structure

To graduate with a Bachelor of Engineering (Honours), students are required to complete 384 credit points of course units, as outlined below:

- First year (96 credit points): four core units 48cp + one Maths option unit 12cp + foundation strand options 36cp (include two discipline foundation units 24cp + one option unit 12cp)
- Major: one (1) block of eight (8) major units 96cp plus eight (8) honours-level units 96cp (192 credit points)
- Complementary studies: one x second major or two x minor (96 credit points).

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x advanced major units 60cp.

International Course structure

To graduate with a Bachelor of Engineering (Honours), students are required to complete 384 credit points of course units, as outlined below:

- First year (96 credit points): four core units 48cp + one Maths option unit 12cp + foundation strand options 36cp (include two discipline foundation units 24cp + one option unit 12cp)
- Major: One (1) block of eight (8) major units 96cp plus eight (8) Honours level units 96cp (192 credit points)
- Complementary Studies: 1 x 2nd major or 2 x minor (96 credit points)

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x Advanced major units 60cp

Code	Title
Year 1 - Semester 1	
EGB100	Engineering Sustainability and Professional Practice
EGB111	Foundation of Engineering Design
EGB113	Energy in Engineering Systems



Bachelor of Engineering (Honours) (Computer and Software Systems)

MZB125	Introductory Engineering Mathematics	
OR		
MXB161	Computational Explorations	
Year 1 - Semester 2		
MZB126 Engineering Computation		
Plus 36cp from ONE of the Engineering Foundation Strands		

Year 4, Semester 2		
EGH400 -2	Research Project 2	
EGH455	Advanced Systems Design	
Advanced Electrical or Software Unit Option		
2nd Major/Minor unit		

Please note -

This is an example study plan for students on a relatively standard progression, however, depending on which units and second majors/minors you choose, you may need to deviate from that plan. Please contact your Subject Area Coordinator Dr Wayne Kelly, Email: w.kelly@qut.edu.au if you wish to discuss your study plan options.

Semesters

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

- Year 4, Semester 1Year 4, Semester 2

Code	Title	
Year 2, S	ar 2, Semester 1	
CAB201	Programming Principles	
EGB242	Signal Analysis	
2nd Majo	r/Minor unit	
2nd Majo	r/Minor unit	
Year 2, S	emester 2	
CAB202	Microprocessors and Digital Systems	
Intermedi	ate Electrical Unit Option	
2nd Majo	r/Minor unit	
2nd Majo	r/Minor unit	
Year 3, S	emester 1	
CAB301	Algorithms and Complexity	
CAB302	Software Development	
EGB240	Electronic Design	
2nd Majo	r/Minor unit	
Year 3, S	emester 2	
CAB403	Systems Programming	
EGH404	Research in Engineering Practice	
CAB432	Cloud Computing	
2nd Majo	r/Minor unit	
Year 4, Semester 1		
EGH400 -1	Research Project 1	
EGH456	Embedded Systems	
Advanced Electrical Unit Option		
	<u>-</u>	





Bachelor of Engineering (Honours) (Electrical and Aerospace)

Year	2020
QUT code	EN01
CRICOS	084921G
Duration (full-time)	4 years
ОР	12
Rank	75
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$9,600 per year full-time (96 credit points)
International fee (indicative)	2020: \$41,500 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	SEF Enquiries - email: sef.enquiry@qut.edu.au; ph: +61 7 3138 8822
Discipline Coordinator	Dr Aaron Mcfadyen

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)

We assume that you have knowledge equivalent to four semesters at high school level (Years 11 and 12) with sound achievement (4, SA). Recommended study: Chemistry, Maths C and Physics.

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies. Recommended study: Chemistry, Maths C and 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

Professional Recognition

Full professional accreditation from Engineers Australia has been given for this course.

Complementary Studies

You will have the opportunity to undertaken either a 2nd major or two minors.

Special Course Requirements

A candidate for the degree of Bachelor of Engineering (Honours)(Electrical and Aerospace) must obtain at least 60 days of industrial experience/practice in an engineering environment as approved by the course coordinator.

International Student Entry

International students must maintain an enrolment program that will allow them to complete their course within the specified timeframe of their eCoE (electronic Confirmation of Enrolment).

Domestic Course structure

To graduate with a Bachelor of Engineering (Honours), students are required to complete 384 credit points of course units, as outlined below:

- First year (96 credit points): four core units 48cp + one Maths option unit 12cp + foundation strand options 36cp (include two discipline foundation units 24cp + one option unit 12cp)
- Major: one (1) block of eight (8) major units 96cp plus eight (8) honours-level units 96cp (192 credit points)
- Complementary studies: one x second major or two x minor (96 credit points).

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x advanced major units 60cp.

International Course structure

To graduate with a Bachelor of Engineering (Honours), students are required to complete 384 credit points of course units, as outlined below:

- First year (96 credit points): four core units 48cp + one Maths option unit 12cp + foundation strand options 36cp (include two discipline foundation units 24cp + one option unit 12cp)
- Major: One (1) block of eight (8) major units 96cp plus eight (8) Honours level units 96cp (192 credit points)
- Complementary Studies: 1 x 2nd major or 2 x minor (96 credit points)

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x Advanced major units 60cp

	Code	Title	
	Year 1 - Semester 1		
	EGB100	Engineering Sustainability and Professional Practice	
	EGB111	Foundation of Engineering Design	
	EGB113	Energy in Engineering Systems	



Bachelor of Engineering (Honours) (Electrical and Aerospace)

MZB125	Introductory Engineering Mathematics	
OR		
MXB161	Computational Explorations	
Year 1 - Semester 2		
MZB126 Engineering Computation		
Plus 36cp from ONE of the Engineering Foundation Strands		

Semesters

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

Year 4, Semester 1Year 4, Semester 2		
Code	Title	
Year 2, S	emester 1	
CAB202	Microprocessors and Digital Systems	
EGB240	Electronic Design	
EGB242	Signal Analysis	
EGB243	Aircraft Systems and Flight	
	emester 2	
EGB345	Control and Dynamic Systems	
EGB346	Unmanned Aircraft Systems	
Intermed Option	ate Electrical & Aerospace Unit	
2nd Majo	r/Minor unit	
Year 3, S	emester 1	
EGB349	Systems Engineering and Design Project	
Advanced Electrical & Aerospace Unit Option		
2nd Majo	r/Minor unit	
2nd Majo	r/Minor unit	
Year 3, S	emester 2	
EGH404	Research in Engineering Practice	
EGH445	Modern Control	
EGH450	A -l	
LOI 1400	Advanced Unmanned Aircraft Systems	
	-	
2nd Majo	Systems	
2nd Majo	Systems r/Minor unit	
2nd Majo Year 4, S EGH400	Systems r/Minor unit emester 1	
2nd Majo Year 4, S EGH400 -1 EGH446	Systems r/Minor unit emester 1 Research Project 1	
2nd Majo Year 4, S EGH400 -1 EGH446 2nd Majo	Systems r/Minor unit emester 1 Research Project 1 Autonomous Systems	
2nd Majo Year 4, S EGH400 -1 EGH446 2nd Majo 2nd Majo	Systems r/Minor unit emester 1 Research Project 1 Autonomous Systems r/Minor unit	
2nd Majo Year 4, S EGH400 -1 EGH446 2nd Majo 2nd Majo	Systems r/Minor unit emester 1 Research Project 1 Autonomous Systems r/Minor unit r/Minor unit	
2nd Major Year 4, S EGH400 -1 EGH446 2nd Major Year 4, S EGH400 -2	Systems r/Minor unit emester 1 Research Project 1 Autonomous Systems r/Minor unit r/Minor unit emester 2	
2nd Majo Year 4, S EGH400 -1 EGH446 2nd Majo Year 4, S EGH400 -2 Advanced Option	Systems r/Minor unit remester 1 Research Project 1 Autonomous Systems r/Minor unit r/Minor unit remester 2 Research Project 2	





Bachelor of Engineering (Honours) (Electrical)

Year	2020
QUT code	EN01
CRICOS	084921G
Duration (full-time)	4 years
ОР	12
Rank	75
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$9,600 per year full-time (96 credit points)
International fee (indicative)	2020: \$41,500 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	SEF Enquiries - email: sef.enquiry@qut.edu.au; ph: +61 7 3138 8822
Discipline Coordinator	Dr Jacob Coetzee 3138 2865 jacob.coetzee@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)

We assume that you have knowledge equivalent to four semesters at high school level (Years 11 and 12) with sound achievement (4, SA). Recommended study: Chemistry, Maths C and Physics.

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies. Recommended study: Chemistry, Maths C and 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

Professional Recognition

Full professional accreditation from Engineers Australia has been given for this course.

Complementary Studies

You will have the opportunity to undertaken either a 2nd major or two minors.

Special Course Requirements

A candidate for the degree of Bachelor of Engineering (Honours)(Electrical) must obtain at least 60 days of industrial experience/practice in an engineering environment as approved by the course coordinator.

International Student Entry

International students must maintain an enrolment program that will allow them to complete their course within the specified timeframe of their eCoE (electronic Confirmation of Enrolment).

Domestic Course structure

To graduate with a Bachelor of Engineering (Honours), students are required to complete 384 credit points of course units, as outlined below:

- First year (96 credit points): four core units 48cp + one Maths option unit 12cp + foundation strand options 36cp (include two discipline foundation units 24cp + one option unit 12cp)
- Major: one (1) block of eight (8) major units 96cp plus eight (8) honours-level units 96cp (192 credit points)
- Complementary studies: one x second major or two x minor (96 credit points).

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x advanced major units 60cp.

International Course structure

To graduate with a Bachelor of Engineering (Honours), students are required to complete 384 credit points of course units, as outlined below:

- First year (96 credit points): four core units 48cp + one Maths option unit 12cp + foundation strand options 36cp (include two discipline foundation units 24cp + one option unit 12cp)
- Major: One (1) block of eight (8) major units 96cp plus eight (8) Honours level units 96cp (192 credit points)
- Complementary Studies: 1 x 2nd major or 2 x minor (96 credit points)

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x Advanced major units 60cp

	Code	Title
Year 1 - So EGB100		Semester 1
		Engineering Sustainability and Professional Practice
	EGB111	Foundation of Engineering Design
	EGB113	Energy in Engineering Systems



Bachelor of Engineering (Honours) (Electrical)

MZB125	Introductory Engineering Mathematics	
OR		
MXB161	Computational Explorations	
Year 1 - Semester 2		
MZB126	Engineering Computation	
Plus 36cp from ONE of the Engineering Foundation Strands		

Semesters

- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Intermediate Electrical Unit Options
 List
- Advanced Electrical Unit Options
 List

Code	Title
Year 2, Semester 1	
CAB202	Microprocessors and Digital Systems
EGB240	Electronic Design
EGB241	Electromagnetics and Machines
EGB242	Signal Analysis

Year 2, Semester 2

Intermediate Electrical Option Unit[1]
Intermediate Electrical Option Unit[2]
Intermediate Electrical Option Unit[3]
2nd Major/Minor unit[1]

Year 3, Semester 1

EGB340 Design and Practice

Advanced Electrical Option Unit[1]

Advanced Electrical Option Unit [2]or 2nd Major/Minor unit[2]

2nd Major/Minor unit[3]

Year 3, Semester 2

Advanced Electrical Option Unit[3]

Advanced Electrical Option Unit[4]

2nd Major/Minor unit[2] or Advanced Electrical Option Unit [2]

Electrical Option Official

EGH404 Research in Engineering Practice

Year 4, Semester 1

EGH4	400
-1	

Research Project 1

2nd Major/Minor unit[4]

2nd Major/Minor unit[5]

2nd Major/Minor unit[6]

Year 4, Semester 2

EGH400 -2

Research Project 2

(Liectifical)			
2nd Majo	Advanced Electrical Option Unit[5] 2nd Major/Minor unit[7]		
2nd Majo	2nd Major/Minor unit[8]		
Intermedi	Intermediate Electrical Unit Options List		
EGB341	Energy Supply and Delivery		
EGB342	Telecommunications and Signal Processing		
EGB345	Control and Dynamic Systems		
EGB348	Electronics		
Advanced	d Electrical Unit Options List		
EGH441	Power System Modelling		
EGH442	RF Techniques and Applications		
EGH443	Advanced Telecommunications		
EGH444	Digital Signals and Image Processing		
EGH445	Modern Control		
EGH446	Autonomous Systems		
EGH448	Power Electronics		
EGH449	Advanced Electronics		
EGH454	Power Systems Management with Renewable & Storage Resources		
The following unit options have been discontinued, but will still count towards this minor: EGH440 Power Systems Analysis (disc 31/12/2018)			





Bachelor of Engineering (Honours) (Mechanical)

Year	2020
QUT code	EN01
CRICOS	084921G
Duration (full-time)	4 years
ОР	12
Rank	75
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$9,600 per year full-time (96 credit points)
International fee (indicative)	2020: \$41,500 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	SEF Enquiries - email: sef.enquiry@qut.edu.au; ph: +61 7 3138 8822
Discipline Coordinator	Dr Wim Dekkers/Professor Ted Steinberg

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)

We assume that you have knowledge equivalent to four semesters at high school level (Years 11 and 12) with sound achievement (4, SA). Recommended study: Chemistry, Maths C and Physics.

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies. Recommended study: Chemistry, Maths C and 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

Professional Recognition

Full professional accreditation from Engineers Australia has been given for this course.

Complementary Studies

You will have the opportunity to undertaken either a 2nd major or two minors.

Special Course Requirements

candidate for the degree of Bachelor of Engineering (Honours)(Mechanical) must obtain at least 60 days of industrial experience/practice in an engineering environment as approved by the course coordinator.

International Student Entry

International students must maintain an enrolment program that will allow them to complete their course within the specified timeframe of their eCoE (electronic Confirmation of Enrolment).

Domestic Course structure

To graduate with a Bachelor of Engineering (Honours), students are required to complete 384 credit points of course units, as outlined below:

- First year (96 credit points): four core units 48cp + one Maths option unit 12cp + foundation strand options 36cp (include two discipline foundation units 24cp + one option unit 12cp)
- Major: one (1) block of eight (8) major units 96cp plus eight (8) honours-level units 96cp (192 credit points)
- Complementary studies: one x second major or two x minor (96 credit points).

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x advanced major units 60cp.

International Course structure

To graduate with a Bachelor of Engineering (Honours), students are required to complete 384 credit points of course units, as outlined below:

- First year (96 credit points): four core units 48cp + one Maths option unit 12cp + foundation strand options 36cp (include two discipline foundation units 24cp + one option unit 12cp)
- Major: One (1) block of eight (8) major units 96cp plus eight (8) Honours level units 96cp (192 credit points)
- Complementary Studies: 1 x 2nd major or 2 x minor (96 credit points)

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x Advanced major units 60cp

	Code	Title
Year 1 - So EGB100		Semester 1
		Engineering Sustainability and Professional Practice
	EGB111	Foundation of Engineering Design
	EGB113	Energy in Engineering Systems



Bachelor of Engineering (Honours) (Mechanical)

MZB125	Introductory Engineering Mathematics	
OR		
MXB161	Computational Explorations	
Year 1 - Semester 2		
MZB126	Engineering Computation	
Plus 36cp from ONE of the Engineering Foundation Strands		

Semesters

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

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

• Year 4, Semester 2		
Code	Title	
Year 2, S	emester 1	
EGB211	Dynamics	
EGB214	Materials and Manufacturing	
EGB314	Strength of Materials	
EGB323	Fluid Mechanics	
Year 2, S	emester 2	
EGB210	Fundamentals of Mechanical Design	
EGB322	Thermodynamics	
2nd Majo	r/Minor unit option	
2nd Majo	r/Minor unit option	
Year 3, S	emester 1	
EGB316	Design of Machine Elements	
EGB321	Dynamics of Machines	
EGH414	Stress Analysis	
2nd Major/Minor unit option		
,	· •	
	emester 2	
	· .	
Year 3, S	emester 2 Research in Engineering Practice	
Year 3, S EGH404	emester 2 Research in Engineering Practice Advanced Thermodynamics	
Year 3, S EGH404 EGH422 EGH423	emester 2 Research in Engineering Practice Advanced Thermodynamics	
Year 3, S EGH404 EGH422 EGH423 2nd Majo	emester 2 Research in Engineering Practice Advanced Thermodynamics Fluids Dynamics	
Year 3, S EGH404 EGH422 EGH423 2nd Majo	emester 2 Research in Engineering Practice Advanced Thermodynamics Fluids Dynamics r/Minor unit option	
Year 3, S EGH404 EGH422 EGH423 2nd Majo Year 4, S EGH400	emester 2 Research in Engineering Practice Advanced Thermodynamics Fluids Dynamics r/Minor unit option emester 1	
Year 3, S EGH404 EGH422 EGH423 2nd Majo Year 4, S EGH400 -1 EGH421	Research in Engineering Practice Advanced Thermodynamics Fluids Dynamics r/Minor unit option emester 1 Research Project 1	
Year 3, S EGH404 EGH422 EGH423 2nd Majo Year 4, S EGH400 -1 EGH421 2nd Majo	Research in Engineering Practice Advanced Thermodynamics Fluids Dynamics r/Minor unit option emester 1 Research Project 1 Vibration and Control	
Year 3, S EGH404 EGH422 EGH423 2nd Majo Year 4, S EGH400 -1 EGH421 2nd Majo 2nd Majo	Research in Engineering Practice Advanced Thermodynamics Fluids Dynamics r/Minor unit option emester 1 Research Project 1 Vibration and Control r/Minor unit option	
Year 3, S EGH404 EGH422 EGH423 2nd Majo Year 4, S EGH400 -1 EGH421 2nd Majo 2nd Majo	Research in Engineering Practice Advanced Thermodynamics Fluids Dynamics r/Minor unit option emester 1 Research Project 1 Vibration and Control r/Minor unit option r/Minor unit option	
Year 3, S EGH404 EGH422 EGH423 2nd Majo Year 4, S EGH400 -1 2nd Majo Year 4, S EGH400 -2 EGH420	Research in Engineering Practice Advanced Thermodynamics Fluids Dynamics r/Minor unit option emester 1 Research Project 1 Vibration and Control r/Minor unit option r/Minor unit option emester 2 Research Project 2 Mechanical Systems Design	
Year 3, S EGH404 EGH422 EGH423 2nd Majo Year 4, S EGH400 -1 2nd Majo Year 4, S EGH400 -2 EGH420	Research in Engineering Practice Advanced Thermodynamics Fluids Dynamics r/Minor unit option emester 1 Research Project 1 Vibration and Control r/Minor unit option r/Minor unit option emester 2 Research Project 2	





Bachelor of Engineering (Honours) (Mechatronics)

Year	2020
QUT code	EN01
CRICOS	084921G
Duration (full-time)	4 years
OP	12
Rank	75
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$9,600 per year full-time (96 credit points)
International fee (indicative)	2020: \$41,500 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	SEF Enquiries - email: sef.enquiry@qut.edu.au; ph: +61 7 3138 8822
Discipline Coordinator	Associate Professor Luis Alvarez

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)

We assume that you have knowledge equivalent to four semesters at high school level (Years 11 and 12) with sound achievement (4, SA). Recommended study: Chemistry, Maths C and Physics.

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies. Recommended study: Chemistry, Maths C and 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	

Professional Recognition

Full professional accreditation from Engineers Australia has been given for this course.

Complementary Studies

You will have the opportunity to undertaken either a 2nd major or two minors.

Special Course Requirements

A candidate for the degree of Bachelor of Engineering (Honours)(Mechatronics) must obtain at least 60 days of industrial experience/practice in an engineering environment as approved by the course coordinator.

International Strudent Entry

International students must maintain an enrolment program that will allow them to complete their course within the specified timeframe of their eCoE (electronic Confirmation of Enrolment).

Domestic Course structure

To graduate with a Bachelor of Engineering (Honours), students are required to complete 384 credit points of course units, as outlined below:

- First year (96 credit points): four core units 48cp + one Maths option unit 12cp + foundation strand options 36cp (include two discipline foundation units 24cp + one option unit 12cp)
- Major: one (1) block of eight (8) major units 96cp plus eight (8) honours-level units 96cp (192 credit points)
- Complementary studies: one x second major or two x minor (96 credit points).

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x advanced major units 60cp.

International Course structure

To graduate with a Bachelor of Engineering (Honours), students are required to complete 384 credit points of course units, as outlined below:

- First year (96 credit points): four core units 48cp + one Maths option unit 12cp + foundation strand options 36cp (include two discipline foundation units 24cp + one option unit 12cp)
- Major: One (1) block of eight (8) major units 96cp plus eight (8) Honours level units 96cp (192 credit points)
- Complementary Studies: 1 x 2nd major or 2 x minor (96 credit points)

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x Advanced major units 60cp

	Code	Title
	Year 1 - Semester 1	
	EGB100	Engineering Sustainability and Professional Practice
	EGB111	Foundation of Engineering Design
	EGB113	Energy in Engineering Systems



Bachelor of Engineering (Honours) (Mechatronics)

MZB125	Introductory Engineering Mathematics		
OR	OR		
MXB161	Computational Explorations		
Year 1 - Semester 2			
MZB126 Engineering Computation			
Plus 36cp from ONE of the Engineering Foundation Strands			

Please note that the highlighted units must be enrolled in the year and semester specified

The highlighted units are CAB202, EGB242, EGB345, EGH404, EGH400-1 and EGH400-2.

Semesters

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

2nd Major/Minor unit

	Code	Litle	
	Year 2, Semester 1		
CAB202 Microprocessors and Digital Systems		, ,	
EGB242 Signal Analysis		Signal Analysis	
EGB211 Dynamics			
	2nd Major/Minor unit		
	EGB220 Mechatronics Design 1		
	2nd Major/Minor Unit		
	Year 2, Semester 2		
	EGB345	Control and Dynamic Systems	
	EGB211 Dynamics		
	2nd Major/Minor unit		
EGB320 Mechatronics Design 2		Mechatronics Design 2	

2nd Major/Minor unit		
Year 3, Semester 1		
EGB321 Dynamics of Machines		
2nd Major/Minor unit		
EGH446 Autonomous Systems		
2nd Major/Minor unit		
EGB220 Mechatronics Design 1		
2nd major/Minor unit		
OR		
EGH419 Mechatronics Design 3		
2nd Major/Minor unit		
Advanced Electrical Unit Option or 2nd		

Intermediate Electrical Unit Option OR

Teal 5, 5	Cilicoloi Z
EGH404	Research in Engineering
EGП404	Practice

Major/Minor unit

EGH413	Advanced Dynamics		
2nd Major/Minor unit			
EGB320	Mechatronics Design 2		
OR			
EGH445	Modern Control		
	ate/ Advanced Electrical Unit R 2nd Major/Minor unit		
Year 4, S	emester 1		
EGH400 -1	Research Project 1		
EGH419	Mechatronics Design 3		
2nd Majo	r/Minor unit		
EGH446	Autonomous Systems		
2nd Major/Minor unit			
Advanced Electrical Unit Option OR 2nd Major/Minor unit			
Year 4, S	Year 4, Semester 2		
EGH400 -2	Research Project 2		
EGH413	Advanced Dynamics		
2nd Major/Minor unit			
EGH445	Modern Control		
2nd Major/Minor unit			
Advanced Electrical Unit Option OR 2nd Major/Minor unit			





Bachelor of Engineering (Honours) (Medical)

Year	2020
QUT code	EN01
CRICOS	084921G
Duration (full-time)	4 years
ОР	12
Rank	75
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$9,600 per year full-time (96 credit points)
International fee (indicative)	2020: \$41,500 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	SEF Enquiries - email: sef.enquiry@qut.edu.au; ph: +61 7 3138 8822
Discipline Coordinator	Associate Professor Devakar Epari
	d.epari@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)

We assume that you have knowledge equivalent to four semesters at high school level (Years 11 and 12) with sound achievement (4, SA). Recommended study: Chemistry, Maths C and Physics.

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies. Recommended study: Chemistry, Maths C and 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

Professional Recognition

Full professional accreditation from Engineers Australia has been given for this course.

Complementary Studies

You will have the opportunity to undertaken either a 2nd major or two minors.

Special Course Requirements

A candidate for the degree of Bachelor of Engineering (Honours)(Medical) must obtain at least 60 days of industrial experience/practice in an engineering environment as approved by the course coordinator.

International Student Entry

International students must maintain an enrolment program that will allow them to complete their course within the specified timeframe of their eCoE (electronic Confirmation of Enrolment).

Domestic Course structure

To graduate with a Bachelor of Engineering (Honours), students are required to complete 384 credit points of course units, as outlined below:

- First year (96 credit points): four core units 48cp + one Maths option unit 12cp + foundation strand options 36cp (include two discipline foundation units 24cp + one option unit 12cp)
- Major: one (1) block of eight (8) major units 96cp plus eight (8) honours-level units 96cp (192 credit points)
- Complementary studies: one x second major or two x minor (96 credit points).

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x advanced major units 60cp.

International Course structure

To graduate with a Bachelor of Engineering (Honours), students are required to complete 384 credit points of course units, as outlined below:

- First year (96 credit points): four core units 48cp + one Maths option unit 12cp + foundation strand options 36cp (include two discipline foundation units 24cp + one option unit 12cp)
- Major: One (1) block of eight (8) major units 96cp plus eight (8) Honours level units 96cp (192 credit points)
- Complementary Studies: 1 x 2nd major or 2 x minor (96 credit points)

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x Advanced major units 60cp

Code	Title	
Year 1 - Semester 1		
EGB100	Engineering Sustainability and Professional Practice	
EGB111	Foundation of Engineering Design	
EGB113	Energy in Engineering Systems	



Bachelor of Engineering (Honours) (Medical)

MZB125	Introductory Engineering Mathematics	
OR		
MXB161	Computational Explorations	
Year 1 - Semester 2		
MZB126	6 Engineering Computation	
Plus 36cp from ONE of the Engineering Foundation Strands		

Semesters

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

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

	Title	
Year 2, Semester 1		
EGB211	Dynamics	
EGB214	Materials and Manufacturing	
EGB314	Strength of Materials	
LSB131	Anatomy	
Year 2, S	emester 2	
EGB210	Fundamentals of Mechanical Design	
LSB231	Physiology	
2nd Majo	r/Minor unit	
2nd Majo	r/Minor unit	
Year 3, S	emester 1	
EGB319	BioDesign	
EGB323	Fluid Mechanics	
EGH414	Stress Analysis	
2nd Majo	r/Minor unit	
Year 3, Semester 2		
	Research in Engineering	
EGH404	Practice	
EGH404 EGH418		
	Practice	
EGH418 EGH424	Practice Biomechanics	
EGH418 EGH424 2nd Majo	Practice Biomechanics Biofluids	
EGH418 EGH424 2nd Majo	Practice Biomechanics Biofluids r/Minor unit	
EGH418 EGH424 2nd Majo Year 4, S EGH400	Practice Biomechanics Biofluids r/Minor unit emester 1	
EGH418 EGH424 2nd Majo Year 4, S EGH400 -1 EGH438	Practice Biomechanics Biofluids r/Minor unit emester 1 Research Project 1	
EGH418 EGH424 2nd Majo Year 4, S EGH400 -1 EGH438 2nd Majo	Practice Biomechanics Biofluids r/Minor unit emester 1 Research Project 1 Biomaterials	
EGH418 EGH424 2nd Majo Year 4, S EGH400 -1 EGH438 2nd Majo 2nd Majo	Practice Biomechanics Biofluids r/Minor unit emester 1 Research Project 1 Biomaterials r/Minor unit	
EGH418 EGH424 2nd Majo Year 4, S EGH400 -1 EGH438 2nd Majo 2nd Majo	Practice Biomechanics Biofluids r/Minor unit emester 1 Research Project 1 Biomaterials r/Minor unit r/Minor unit	
EGH418 EGH424 2nd Majo Year 4, S EGH400 -1 EGH438 2nd Majo 2nd Majo Year 4, S EGH400	Practice Biomechanics Biofluids r/Minor unit emester 1 Research Project 1 Biomaterials r/Minor unit r/Minor unit emester 2	
EGH418 EGH424 2nd Majo Year 4, S EGH400 -1 EGH438 2nd Majo 2nd Majo Year 4, S EGH400 -2 EGH435	Practice Biomechanics Biofluids r/Minor unit emester 1 Research Project 1 Biomaterials r/Minor unit r/Minor unit emester 2 Research Project 2 Modelling and Simulation for	





Bachelor of Information Technology

Year	2020
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)	2020 CSP \$9,600 per year full-time (96 credit points)
International fee (indicative)	2020: \$36,300 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	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	SEF Enquiry - ph: +61 7 3138 8822; email: sef.enquiry@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)

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:

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary 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

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





Bachelor of Information Technology

(AQF). Eligible graduates may continue their studies in these disciplines with an additional honours year in (IN10)

Bachelor of Information Technology (Honours).





Bachelor of Information Technology (Computer Science)

Year	2020
QUT code	IN01
CRICOS	012656E
Duration (full-time)	3 years
Duration (part-time domestic)	6 years
OP	14
Rank	70
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$9,600 per year full-time (96 credit points)
International fee (indicative)	2020: \$36,300 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	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	SEF Enquiry - ph: +61 7 3138 8822; email: sef.enquiry@qut.edu.au
Discipline Coordinator	Dr Wayne Kelly 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)

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:

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

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 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



Bachelor of Information Technology (Computer Science)

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 OUT.

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**
 - 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

Title

Year 1, Semester 1

Note:

Code

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 Option		
Core Unit Option		
Year 2, S	emester 1	
CAB203	Discrete Structures	
CAB302	Software Development	
2nd Major/Minor unit		
2nd Major/Minor unit		
Year 2, Semester 2		
CAB303	CAB303 Networks	
IFB295 IT Project Management		
2nd Major/Minor unit		
2nd Major/Minor unit		
Year 3, Semester 1		
CAB301	Algorithms and Complexity	
IFB398	Capstone Project (Phase 1)	
2nd Major/Minor unit		
2nd Major/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	2nd Major/Minor unit	
2nd Major/Minor unit		
2nd Major/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		

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





Bachelor of Information Technology (Information Systems)

Year	2020
QUT code	IN01
CRICOS	012656E
Duration (full-time)	3 years
Duration (part-time domestic)	6 years
ОР	14
Rank	70
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$9,600 per year full-time (96 credit points)
International fee (indicative)	2020: \$36,300 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	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	SEF Enquiry - ph: +61 7 3138 8822; email: sef.enquiry@qut.edu.au
Discipline Coordinator	Dr Erwin Fielt askqut@gut.edu.au
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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)

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:

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary 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

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 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



Bachelor of Information Technology (Information Systems)

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
- University Wide Minors

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 1Year 3, Semester 2

Title

Systems

Year 1, Semester 1

Note

Code

IFB102

IFB103

IFB104

	J ,	
IFB105	Database Management	
SELECT MAJOR		
	should select their major prior ng 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, Semester 1		
IAB203	Business Process Modelling	
IAB204	IAB204 Business Requirements Analysis	

Introduction to Computer

IT Systems Design

Building IT Systems

2nd Major/Minor unit	
2nd Major/Minor unit	
Year 2, Semester 2	
IFB295	IT Project Management
IAB305	Information Systems Lifecycle Management
2nd Major/Minor unit	
2nd Major/Minor unit OR	
IS Major Elective choice from:	
IAB206 Modern Data Management	
IAB320 Business Process Improvement	
IAB303 Data Analytics for Business Insight	
Vear 3 S	emester 1

Teal 3, Selliestel 1			
IFB398	Capstone Project (Phase 1)		
2nd Majo	2nd Major/Minor unit		
2nd Major/Minor unit			
2nd Major/Minor unit OR			
IS Major Elective choice from:			
IAB260 Social Technologies			
IAB402 Information Systems			

9		
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



Bachelor of Games and Interactive Environments

Year	2020
QUT code	IN05
CRICOS	092648J
Duration (full-time)	3 years
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$9,300 per year full-time (96 credit points)
International fee (indicative)	2020: \$35,400 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; email: sef.enquiry@qut.edu.au; ph: +61 7 3138 8822

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)

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:

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary 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





Bachelor of Games and Interactive Environments (Animation)

Year	2020
QUT code	IN05
CRICOS	092648J
Duration (full-time)	3 years
ОР	14
Rank	70
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$9,300 per year full-time (96 credit points)
International fee (indicative)	2020: \$35,400 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; email: sef.enquiry@qut.edu.au; ph: +61 7 3138 8822
Discipline Coordinator	Sorin Oancea 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)

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:

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary 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 6.0 Speaking

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.

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 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, Semester 2	
KNB127	CGI Foundations
KNB135	Animation Aesthetics
Core Unit Option unit	
Core Unit Option unit	
Year 2 Semester 1	



^{*} Unit options list - comprises a range of

Bachelor of Games and Interactive Environments (Animation)

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		
KNB227	CGI Technologies		
Complem	entary Studies Unit		
Complem	Complementary Studies Unit		
Year 3, Semester 1			
IGB300	Capstone Project (Game Design)		
IGB300 KNB217			
KNB217	Design)		
KNB217 Complem	Design) Digital Creatures		
KNB217 Complem	Design) Digital Creatures entary Studies Unit		
KNB217 Complem	Design) Digital Creatures nentary Studies Unit		
KNB217 Complem Complem Year 3, S	Design) Digital Creatures nentary Studies Unit nentary Studies Unit emester 2 Capstone Project (Game		
KNB217 Complem Complem Year 3, S IGB301 IGB400	Design) Digital Creatures Digital Creatures Dentary Studies Unit Dentary Studies Unit Demester 2 Capstone Project (Game Development) Game Studio 3: Game		



Bachelor of Games and Interactive Environments (Game Design)

Year	2020
QUT code	IN05
CRICOS	092648J
Duration (full-time)	3 years
ОР	14
Rank	70
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$9,300 per year full-time (96 credit points)
International fee (indicative)	2020: \$35,400 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; email: sef.enquiry@qut.edu.au; ph: +61 7 3138 8822
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)

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:

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary 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

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.

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 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 1Year 3, Semester 2

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, Semester 2		
DXB205	Interactive Narrative Design	
IGB220	Fundamentals of Game Design	
Core Unit Option unit		
Core Unit Option unit		



^{*} Unit options list - comprises a range of

Bachelor of Games and Interactive Environments (Game Design)

Year 2, S	Semester 1	
DXB211	Creative Coding	
IGB100	Game Studio 1: Mini-Game Development	
IGB320	Game Design in Different Contexts	
Complem	nentary Studies Unit	
Year 2, S	semester 2	
IGB200	Game Studio 2: Applied Game Development	
CAB210	People Context and Technology	
IGB321 is substituted with CAB210 from SEM-2 2020 onwards.		
Complem	nentary Studies Unit	
Complementary Studies Unit		
Year 3, Semester 1		
IGB300	Capstone Project (Game Design)	
Complementary Studies Unit		
Complementary Studies Unit		
Complementary Studies Unit		
Year 3, Semester 2		
IGB301	Capstone Project (Game Development)	
IGB400	Game Studio 3: Game Innovation	
Complementary Studies Unit		
Complem	nentary Studies Unit	





Bachelor of Games and Interactive Environments (Software Technologies)

Year	2020
QUT code	IN05
CRICOS	092648J
Duration (full-time)	3 years
ОР	14
Rank	70
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$9,300 per year full-time (96 credit points)
International fee (indicative)	2020: \$35,400 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; email: sef.enquiry@qut.edu.au; ph: +61 7 3138 8822
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)

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:

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

Testing System)	English Language
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.

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 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, Semester 2	
CAB201	Programming Principles
IGB283	Game Engine Theory and Application
Core Unit	Option unit
Core Unit Option unit	



^{*} Unit options list - comprises a range of

Bachelor of Games and Interactive Environments (Software Technologies)

Year 2, Semester 1		
CAB301	Algorithms and Complexity	
IGB100	Game Studio 1: Mini-Game Development	
Complementary Studies Unit		
Complementary Studies Unit		
Year 2, Semester 2		
100000	Game Studio 2: Applied	

rear 2, Semester 2	
IGB200	Game Studio 2: Applied Game Development
IGB381	Game Engine Technology

(note: IGB381 is no longer offered for SEM-2 2020. If you need to take IGB381 in SEM-2 2020, please contact the Faculty for assistance. It will be replaced with IFN692 (if not already updated in your Software Technologies major IN05MJR-SOFTECH).

Complementary Studies Unit Complementary Studies Unit

Year 3, Semester 1	
IGB300	Capstone Project (Game Design)
IGB383	Al for Games
Complementary Studies Unit	
Complementary Studies Unit	

Year 3, Semester 2		
IGB301	Capstone Project (Game Development)	
IGB400	Game Studio 3: Game Innovation	
Complementary Studies Unit		
Complementary Studies Unit		



Bachelor of Mathematics

Year	2020
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)	2020 CSP \$9,600 per year full-time (96 credit points)
International fee (indicative)	2020: \$32,400 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; ph: +61 7 3138 8822; email: sef.enquiry@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)

We assume that you have knowledge equivalent to four semesters at high school level (Years 11 and 12) with sound achievement (4, SA). Recommended Study: Maths C.

International Subject prerequisites

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

Recommended Study: Maths 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	2020
QUT code	MS01
CRICOS	049433D
Duration (full-time)	3 years
Duration (part-time domestic)	6 years
ОР	6
Rank	89
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$9,600 per year full-time (96 credit points)
International fee (indicative)	2020: \$32,400 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; ph: +61 7 3138 8822; email: sef.enquiry@qut.edu.au
Discipline Coordinator	Dr Pascal Buenzli +61 7 3138 8822 sef.enquiry@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)

We assume that you have knowledge equivalent to four semesters at high school level (Years 11 and 12) with sound achievement (4, SA). Recommended Study: Maths C.

International Subject prerequisites

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

Recommended Study: Maths 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



Bachelor of Mathematics (Applied and Computational Mathematics)

- Statistical Science
- _
- Computational and Simulation Science
- •
- Accountancy
- •
- 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
- 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; decision science; and statistical science.

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.

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 decision science, statistical science, 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, 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; decision science; and statistical science.

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.

Major units

Your major is your area of specialisation, in which you will acquire in-depth knowledge and expertise, preparing you



Bachelor of Mathematics (Applied and Computational Mathematics)

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 decision science, statistical science, 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 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
- NOTE:

Code	Title	
Year 1, Semester 1		
MXB101	Probability and Stochastic Modelling 1	
MXB102	Abstract Mathematical Reasoning	
MXB106	Linear Algebra	
MXB161	Computational Explorations	
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		
MXB201	Advanced Linear Algebra	
MXB225	Modelling with Differential Equations 1	
2nd Major/Minor unit		
2nd Major/Minor unit		

ia Comp	diational Mathematics)		
Year 2, Semester 2			
	Advanced Calculus		
	7.4.74.1.004 04.104.140		
	Computational Methods 1		
	r/Minor unit		
	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		
IVIXDUZU	Equations 2		
	Work Integrated Learning in		
MXB328	Applied and Computational		
Mathematics			
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			





Bachelor of Mathematics (Operations Research)

Year	2020
QUT code	MS01
CRICOS	049433D
Duration (full-time)	3 years
Duration (part-time domestic)	6 years
ОР	6
Rank	89
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$9,600 per year full-time (96 credit points)
International fee (indicative)	2020: \$32,400 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; ph: +61 7 3138 8822; email: sef.enquiry@qut.edu.au
Discipline Coordinator	Dr Paul Wu +61 7 3138 8822 sef.enquiry@qut.edu.au

Domestic Assumed knowledge

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

- 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)

We assume that you have knowledge equivalent to four semesters at high school level (Years 11 and 12) with sound achievement (4, SA). Recommended Study: Maths C.

International Subject prerequisites

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

Recommended Study: Maths 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	
	emester 1	
MXB101	Probability and Stochastic Modelling 1	
MXB102	Abstract Mathematical Reasoning	
MXB106	Linear Algebra	
MXB161	Computational Explorations	
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 Majo	r/Minor unit	
2nd Majo	r/Minor unit	
Year 2, S	emester 2	
MXB202	Advanced Calculus	
MXB241	Probability and Stochastic Modelling 2	
2nd Major/Minor unit		
2nd Major/Minor unit		
Year 3, Semester 1		
MXB332	Optimisation Modelling	



Bachelor of Mathematics (Operations Research)

MXB341	Statistical Inference	
2nd Major/Minor unit		
2nd Major/Minor unit		
Year 3, Semester 2		
MXB334	Operations Research for	
WINDSS4	Stochastic Processes	
MXB338	Work Integrated Learning in	
WIXEDOOG	Operations Research	
2nd Major/Minor unit		
2nd Major/Minor unit		
NOTE:		
*Core Unit Options may be taken in any		

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





Bachelor of Mathematics (Statistics)

Year	2020
QUT code	MS01
CRICOS	049433D
Duration (full-time)	3 years
Duration (part-time domestic)	6 years
ОР	6
Rank	89
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$9,600 per year full-time (96 credit points)
International fee (indicative)	2020: \$32,400 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; ph: +61 7 3138 8822; email: sef.enquiry@qut.edu.au
Discipline Coordinator	Dr Paul Wu +61 7 3138 8822 sef.enquiry@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)

We assume that you have knowledge equivalent to four semesters at high school level (Years 11 and 12) with sound achievement (4, SA). Recommended Study: Maths C.

International Subject prerequisites

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

Recommended Study: Maths 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-quality 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



Bachelor of Mathematics (Statistics)

- 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
- •
- Computational and Simulation Science
- Biological Sciences
- •
- Chemistry
- Earth Science
- Environmental Science
- Physics
- . .., ..
- International exchange
- •
- University Wide Minors

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.

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, 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 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.

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.



Bachelor of Mathematics (Statistics)

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, operations research, statistics, 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.

Samp	le	Stru	cture

Semesters

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

Code	Title		
Year 1, S	Year 1, Semester 1		
MXB101	Probability and Stochastic Modelling 1		
MXB102	Abstract Mathematical Reasoning		
MXB106	Linear Algebra		
MXB161	Computational Explorations		
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		
MXB242	Regression and Design		
2nd Major/Minor unit			
2nd Major/Minor unit			
Year 2, Semester 2			
MXB202	Advanced Calculus		
MXB241	Probability and Stochastic Modelling 2		

2nd Major/Minor unit 2nd Major/Minor unit Year 3, Semester 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



Bachelor of Science

Year	2020
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)	2020 CSP \$9,500 per year full-time (96 credit points)
International fee (indicative)	2020: \$39,400 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; ph: +61 7 3138 8822; email: sef.enquiry@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)

We assume that you have knowledge equivalent to four semesters at high school level (Years 11 and 12) with sound achievement (4, SA). Recommended Study: At least one of Chemistry, Physics, Biology, Earth Science, Geography or Maths C.

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies. Recommended Study: At least one of Chemistry, Physics, Biology, Earth Science, Geography or Maths 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 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



Bachelor of Science

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 five 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.

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 science
- innovation
- science communication, or
- policy and governance.

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	2020
QUT code	ST01
CRICOS	077696D
Duration (full-time)	3 years
Duration (part-time domestic)	6 years
ОР	14
Rank	70
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$9,500 per year full-time (96 credit points)
International fee (indicative)	2020: \$39,400 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; ph: +61 7 3138 8822; email: sef.enquiry@qut.edu.au
Discipline Coordinator	Dr Marion Bateson

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)

We assume that you have knowledge equivalent to four semesters at high school level (Years 11 and 12) with sound achievement (4, SA). Recommended Study: At least one of Chemistry, Physics, Biology, Earth Science, Geography or Maths C.

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies. Recommended Study: At least one of Chemistry, Physics, Biology, Earth Science, Geography or Maths 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

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



Bachelor of Science (Biological Sciences)

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
- · innovation and entrepreneurship
- · science communication, or
- policy and governance.

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
- Biological Sciences 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
BVB101	Foundations of Biology
BVB102	Evolution
Core Unit	Option
Biologica	Sciences Major Unit Option
Year 2, S	emester 1
BVB202	Experimental Design and Quantitative Methods
BVB301	Animal Biology
2nd majo	r or minor unit
2nd majo	r or minor unit
Year 2, S	emester 2
BVB201	Biological Processes
BVB204	Ecology
2nd majo	r or minor unit
2nd majo	r or minor unit
Year 3, S	emester 1
BVB203	Plant Biology
BVB305	Microbiology and the Environment

2nd majo	r or minor unit
2nd major or minor unit	
Year 3, S	emester 2
BVB313	Population Genetics and Molecular Ecology
BVB304	Integrative Biology
2nd majo	r or minor unit
2nd majo	r or minor unit
Biological	Sciences Major Unit Options
CVB101	General Chemistry
CVB102	Chemical Structure and Reactivity
ERB101	Earth Systems
ERB102	Evolving Earth
EVB102	Ecosystems and the Environment
MXB100	Introductory Calculus and Algebra
PVB101	Physics of the Very Large
PVB102	Physics of the Very Small





Bachelor of Science (Chemistry)

Year	2020
QUT code	ST01
CRICOS	077696D
Duration (full-time)	3 years
Duration (part-time domestic)	6 years
ОР	14
Rank	70
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$9,500 per year full-time (96 credit points)
International fee (indicative)	2020: \$39,400 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; ph: +61 7 3138 8822; email: sef.enquiry@qut.edu.au
Discipline Coordinator	Associate Professor Tim Dargaville
	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)

We assume that you have knowledge equivalent to four semesters at high school level (Years 11 and 12) with sound achievement (4, SA). Recommended Study: At least one of Chemistry, Physics, Biology, Earth Science, Geography or Maths C.

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies. Recommended Study: At least one of Chemistry, Physics, Biology, Earth Science, Geography or Maths 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

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.



Bachelor of Science (Chemistry)

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. From 2018 MXB100 Introductory Calculus and Algebra will also be part of your major.

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 a 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, environmental science or physics), or explore different perspectives which might include:

- computational and simulation science
- innovation and entrepreneurship
- science communication, or
- policy and governance.

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

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 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
CVB101	General Chemistry
CVB102	Chemical Structure and Reactivity
MXB100	Introductory Calculus and Algebra
Core Unit	Option
Year 2, S	emester 1
CVB201	Inorganic Chemistry
CVB202	Analytical Chemistry
2nd majo	r or minor unit
2nd majo	r or minor unit
Year 2, S	emester 2
CVB203	Physical Chemistry
CVB204	Organic Structure and

	Mechanisms
2nd major or minor unit	
2nd majo	r or minor unit
Year 3, S	emester 1
CVB301	Organic Chemistry: Strategies for Synthesis
CVB302	Applied Physical Chemistry
2nd major or minor unit	
2nd majo	r or minor unit
Year 3, S	emester 2
CVB303	Coordination Chemistry
CVB304	Chemistry Research Project
2nd majo	r or minor unit
2nd majo	r or minor unit





Bachelor of Science (Earth Science)

Year	2020
QUT code	ST01
CRICOS	077696D
Duration (full-time)	3 years
Duration (part-time domestic)	6 years
ОР	14
Rank	70
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$9,500 per year full-time (96 credit points)
International fee (indicative)	2020: \$39,400 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; ph: +61 7 3138 8822; email: sef.enquiry@qut.edu.au
Discipline Coordinator	Dr Luke Nothdurft

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)

We assume that you have knowledge equivalent to four semesters at high school level (Years 11 and 12) with sound achievement (4, SA). Recommended Study: At least one of Chemistry, Physics, Biology, Earth Science, Geography or Maths C.

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies. Recommended Study: At least one of Chemistry, Physics, Biology, Earth Science, Geography or Maths 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

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 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



Bachelor of Science (Earth Science)

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 a minor.

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
- innovation and entrepreneurship
- · science communication, or

• policy and governance.

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

	<u> 2, Semester 1</u>
• <u>Year</u>	<u>2, Semester 2</u>
• <u>Year</u>	<u>r 3, Semester 1</u> <u>r 3, Semester 2</u>
• Eartl	h Science Major Unit Options
Code	Title
Year 1, S	
	Grand Challenges in Science
3LD104	Quantitative Methods in
SEB113	Science
	Experimental Science 1
	Experimental Science 2
Year 1, S	emester 2
ERB101	Earth Systems
ERB102	Evolving Earth
Core Unit	Option
Earth Scie	ence Major Unit Option
Year 2, S	emester 1
ERB201	Destructive Earth: Natural Hazards
ERB202	Marine Geoscience
2nd majoi	r or minor unit
	r or minor unit
	emester 2
TEAL / O	
real 2, 3	
ERB203	Sedimentary Geology and Stratigraphy
	Sedimentary Geology and
ERB203 ERB204	Sedimentary Geology and Stratigraphy Deforming Earth: Fundamentals of Structural
ERB203 ERB204 2nd major	Sedimentary Geology and Stratigraphy Deforming Earth: Fundamentals of Structural Geology
ERB203 ERB204 2nd major 2nd major	Sedimentary Geology and Stratigraphy Deforming Earth: Fundamentals of Structural Geology or or minor unit
ERB203 ERB204 2nd major 2nd major Year 3, S	Sedimentary Geology and Stratigraphy Deforming Earth: Fundamentals of Structural Geology or or minor unit
ERB203 ERB204 2nd major 2nd major Year 3, See ERB301	Sedimentary Geology and Stratigraphy Deforming Earth: Fundamentals of Structural Geology or or minor unit or or minor unit emester 1 Chemical Earth
ERB203 ERB204 2nd major 2nd major Year 3, See ERB301 ERB302	Sedimentary Geology and Stratigraphy Deforming Earth: Fundamentals of Structural Geology or or minor unit or or minor unit emester 1 Chemical Earth Applied Geophysics
ERB203 ERB204 2nd major 2nd major Year 3, S ERB301 ERB302 2nd major	Sedimentary Geology and Stratigraphy Deforming Earth: Fundamentals of Structural Geology or or minor unit or or minor unit emester 1 Chemical Earth Applied Geophysics or or minor unit
ERB204 2nd major 2nd major Year 3, Se ERB301 ERB302 2nd major 2nd major 2nd major	Sedimentary Geology and Stratigraphy Deforming Earth: Fundamentals of Structural Geology or or minor unit or or minor unit emester 1 Chemical Earth Applied Geophysics or minor unit or or minor unit
ERB204 2nd major 2nd major Year 3, Se ERB301 ERB302 2nd major 2nd major 2nd major	Sedimentary Geology and Stratigraphy Deforming Earth: Fundamentals of Structural Geology or or minor unit or or minor unit emester 1 Chemical Earth Applied Geophysics or or minor unit or or minor unit emester 2 Energy Resources and Basin
ERB203 ERB204 2nd major 2nd major Year 3, Se ERB301 ERB302 2nd major 2nd major Year 3, Se	Sedimentary Geology and Stratigraphy Deforming Earth: Fundamentals of Structural Geology or or minor unit or minor unit emester 1 Chemical Earth Applied Geophysics or or minor unit or or minor unit emester 2 Energy Resources and Basin Analysis
ERB203 ERB204 2nd major 2nd major Year 3, Se ERB301 ERB302 2nd major 2nd major Year 3, Se	Sedimentary Geology and Stratigraphy Deforming Earth: Fundamentals of Structural Geology or or minor unit or or minor unit emester 1 Chemical Earth Applied Geophysics or or minor unit or or minor unit emester 2 Energy Resources and Basin
ERB203 ERB204 2nd major 2nd major Year 3, S ERB301 ERB302 2nd major 2nd major Year 3, S ERB303 ERB303	Sedimentary Geology and Stratigraphy Deforming Earth: Fundamentals of Structural Geology or or minor unit or minor unit emester 1 Chemical Earth Applied Geophysics or or minor unit or or minor unit emester 2 Energy Resources and Basin Analysis Dynamic Earth: Plate
ERB203 ERB204 2nd major 2nd major Year 3, S ERB301 ERB302 2nd major 2nd major Year 3, S ERB303 ERB304 2nd major	Sedimentary Geology and Stratigraphy Deforming Earth: Fundamentals of Structural Geology or or minor unit or or minor unit emester 1 Chemical Earth Applied Geophysics or or minor unit or or minor unit emester 2 Energy Resources and Basin Analysis Dynamic Earth: Plate Tectonics
ERB203 ERB204 2nd major 2nd major Year 3, S ERB301 ERB302 2nd major 2nd major Year 3, S ERB303 ERB303 ERB304 2nd major 2nd major	Sedimentary Geology and Stratigraphy Deforming Earth: Fundamentals of Structural Geology or or minor unit or or minor unit emester 1 Chemical Earth Applied Geophysics or or minor unit or or minor unit emester 2 Energy Resources and Basin Analysis Dynamic Earth: Plate Tectonics or or minor unit
ERB203 ERB204 2nd major 2nd major Year 3, S ERB301 ERB302 2nd major 2nd major Year 3, S ERB303 ERB303 ERB304 2nd major 2nd major	Sedimentary Geology and Stratigraphy Deforming Earth: Fundamentals of Structural Geology or or minor unit or or minor unit emester 1 Chemical Earth Applied Geophysics or or minor unit or or minor unit emester 2 Energy Resources and Basin Analysis Dynamic Earth: Plate Tectonics or or minor unit or or minor unit
ERB203 ERB204 2nd major 2nd major Year 3, Sc ERB301 ERB302 2nd major Year 3, Sc ERB303 ERB304 2nd major 2nd major 2nd major ERB304	Sedimentary Geology and Stratigraphy Deforming Earth: Fundamentals of Structural Geology or or minor unit or or minor unit emester 1 Chemical Earth Applied Geophysics or or minor unit or or minor unit emester 2 Energy Resources and Basin Analysis Dynamic Earth: Plate Tectonics or or minor unit or or minor unit emester 2 Energy Resources and Basin Analysis Dynamic Earth: Plate Tectonics or or minor unit or or minor unit ence Major Unit Options

CVB101	General Chemistry
CVB102	Chemical Structure and Reactivity
EVB102	Ecosystems and the Environment
MXB100	Introductory Calculus and Algebra
PVB101	Physics of the Very Large
PVB102	Physics of the Very Small





Bachelor of Science (Environmental Science)

Year	2020
QUT code	ST01
CRICOS	077696D
Duration (full-time)	3 years
Duration (part-time domestic)	6 years
ОР	14
Rank	70
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$9,500 per year full-time (96 credit points)
International fee (indicative)	2020: \$39,400 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; ph: +61 7 3138 8822; email: sef.enquiry@qut.edu.au
Discipline Coordinator	Dr Andrew Baker 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)

We assume that you have knowledge equivalent to four semesters at high school level (Years 11 and 12) with sound achievement (4, SA). Recommended Study: At least one of Chemistry, Physics, Biology, Earth Science, Geography or Maths C.

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies. Recommended Study: At least one of Chemistry, Physics, Biology, Earth Science, Geography or Maths 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 real-world 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, 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



Bachelor of Science (Environmental Science)

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 six 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 10 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, environmental science or physics), or explore different perspectives which might include:

- · computational and simulation science
- · innovation and entrepreneurship
- · science communication, or
- policy and governance.

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

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	
FRB101	Farth Systems

	EVB102	Ecosystems and the Environment
	Core Unit Option	
	Environmental Science Major Unit Option	
Vear 2 Semester 1		emester 1

Year 2, Semester 1		
BVB202	Experimental Design and Quantitative Methods	
EVB203	Geospatial Information Science	
2nd major or minor unit		
2nd major or minor unit		
Year 2. Semester 2		

	BVB204	Ecology
	EVB302	Environmental Pollution
2nd major or minor unit		
2nd major or minor unit		

Year 3, Semester 1	
BVB311	Conservation Biology
EVB312	Soils and the Environment
2nd major or minor unit	
2nd major or minor unit	
Voor 2 Compoter 2	

rear 5, ocinicater 2		
ERB310	Groundwater Systems	
EVB304	Case Studies in Environmental Science	
2nd major or minor unit		
2nd major or minor unit		
Environmental Science Major Unit Options		
BVB101	Foundations of Biology	
BVB102	Evolution	
CVB101	General Chemistry	
CVB102	Chemical Structure and Reactivity	

Introductory Calculus and

Physics of the Very Large

ERB102 Evolving Earth

Algebra

PVB102 Physics of the Very Small

MXB100

PVB101





Bachelor of Science (Physics)

Year	2020
QUT code	ST01
CRICOS	077696D
Duration (full-time)	3 years
Duration (part-time domestic)	6 years
OP	14
Rank	70
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$9,500 per year full-time (96 credit points)
International fee (indicative)	2020: \$39,400 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; ph: +61 7 3138 8822; email: sef.enquiry@qut.edu.au
Discipline Coordinator	Associate Professor Jamie Trapp

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)

We assume that you have knowledge equivalent to four semesters at high school level (Years 11 and 12) with sound achievement (4, SA). Recommended Study: At least one of Chemistry, Physics, Biology, Earth Science, Geography or Maths C.

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies. Recommended Study: At least one of Chemistry, Physics, Biology, Earth Science, Geography or Maths 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

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. 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





Bachelor of Science (Physics)

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 a 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, environmental science or physics), or explore different perspectives which might include:

- · computational and simulation science
- innovation and entrepreneurship
- · science communication, or
- policy and governance.

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 1Year 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, S	emester 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	2nd major or minor unit		
2nd majo	r or minor unit		
Year 2, S	emester 2		
PVB200	Computational and Mathematical Physics		
PVB204	Electromagnetism		
2nd majo	2nd major or minor unit		
2nd major 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, Semester 2		
PVB303	Nuclear and Particle Physics	
PVB304	Physics Research	
2nd major or minor unit		
2nd major or minor unit		





Bachelor of Urban Development (Honours)

Year	2020
QUT code	UD01
CRICOS	080479J
Duration (full-time)	4 years
Duration (part-time domestic)	8 years
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$10,100 per year full-time (96 credit points)
International fee (indicative)	2020: \$32,300 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February
Course Coordinator	Dr Paul Donehue; email: sef.enquiry@qut.edu.au; ph: +61 7 3138 8822

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 program has been designed to provide you with a real life exposure to a range of urban development disciplines to understand how your chosen course helps to prepare you for a rewarding career in the built environment. You have the opportunity to collaborate with your peers and teaching staff at QUT and to learn in exciting new learning environments. Throughout the course you will experience a range of site visits and fieldwork that will link the theory in lectures to everyday situations in your chosen field of study. You will learn about a range of career opportunities and professional outcomes that will enable you to optimise your experience and potential career. Your major will provide you with in depth knowledge and expertise in an urban development discipline. You will also have the opportunity to undertake a second major or two minors in an area that will broaden your urban development experience and/or complement your first major.

Course Design

Your QUT Bachelor of Urban Develoment (Honours) degree consists of 384 credit points (32 units) arranged as follows:

(a) 72 credit points (6 units) of Urban Development Core units, which includes a Work Integrated Learning unit that requires completion of workplace learning.

(b) 216 credit points (18 units) comprising one (1) major from the following:

- Construction Management
- •
- Quantity Surveying and Cost Engineering
- •
- Urban and Regional Planning

(c)

Pathways to Further Study

The (UD01) Bachelor of Urban Development (Honours) is located at Level 8 of the Australian Qualifications Framework (AQF). Graduates may be eligible for discipline relevant Masters and/or Doctoral level programs

Domestic Course structure Course Design

Your QUT Bachelor of Urban Develoment (Honours) degree consists of 384 credit points (32 units) arranged as follows:

(a) 72 credit points (6 units) of Urban Development Core units, which includes a Work Integrated Learning unit that requires completion of workplace learning.

(b) 216 credit points (18 units) comprising one (1) major from the following:

- Construction Management
- Quantity Surveying and Cost Engineering
- Urban and Regional Planning

(c) 96 credit points of complementary studies comprising of either a Second Major (8 unit set) or two Minors (4 unit set each) from the options specified for your chosen major.

International Course structure Course Design

Your QUT Bachelor of Urban Develoment (Honours) degree consists of 384 credit points (32 units) arranged as follows:

(a) 72 credit points (6 units) of Urban Development Core units, which includes a Work Integrated Learning unit that requires completion of workplace learning.

(b) 216 credit points (18 units) comprising one (1) major from the following:

- · Construction Management
- Quantity Surveying and Cost Engineering
- Urban and Regional Planning

(c) 96 credit points of complementary studies comprising of either a Second Major (8 unit set) or two Minors (4 unit set each) from the options specified for your chosen major.





Bachelor of Urban Development (Honours) (Construction Management)

2020
UD01
080479J
4 years
8 years
14
70
Yes
Gardens Point
2020 CSP \$10,100 per year full-time (96 credit points)
2020: \$32,300 per year full-time (96 credit points)
384
48
24
July, February
July, February
You can defer your offer and postpone the start of your course for one year.
Dr Paul Donehue; email: sef.enquiry@qut.edu.au; ph: +61 7 3138 8822
Dr Melissa Teo
sef.enquiry@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)

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:

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary 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

Course Overview

The QUT Bachelor of Urban Development (Honours) degree with a primary major (Study Area A) in Construction
Management is designed to provide you with 'real-life' exposure, and the knowledge and skills to prepare you for rewarding career the Construction, Development and associated industries. With the capacity, will and innovation to contribute to a better built environment, as a work-ready graduate, you will be able to apply sound judgement and expertise in practice managing complex built environments.

Course Design

Your QUT Bachelor of Urban Development (Honours) (Construction Management) degree consists of 384 credit points (32 units) arranged as follows:

- **a)** 72 credit points (6 units) of Urban Development Core units, which includes a Work Integrated Learning unit that requires completion of workplace learning.
- **b)** 216 credit points (18 units) of Construction Management 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).

Urban Development Core Units

These units will engage you in understanding Urban Development 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.

Construction Management 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:

Urban Development disciplines:

- •Urban and Regional Planning Studies
- Property
- Accountancy
- Applied Economics and Finance

(additional second major choices are currently under development)

Minors:

A choice of two minors from the lists



Bachelor of Urban Development (Honours) (Construction Management)

below:

Urban Development disciplines:

- •Urban and Regional Planning Studies
- Property Development
- Property Investment and Finance
- Property Valuation

Other disciplines:

- Language Minors University Wide Options
- University Wide Minors

Special Course Requirements

You are required to obtain a minimum of 80 days of approved construction management industrial experience as part of your Work Integrated Learning core unit

Professional Recognition

Graduates are eligible for membership of the Australian Institute of Building (AIB)

Pathways to Further Study

The (UD01) Bachelor of Urban Development (Honours) is located at Level 8 of the Australian Qualifications Framework (AQF). Graduates may be eligible for discipline relevant Masters and/or Doctoral level programs

Domestic Course structure

Your QUT Bachelor of Urban Development (Honours) (Construction Management) degree consists of 384 credit points (32 units) arranged as follows:

- a) 72 credit points (6 units) of urban development core units, which includes a Professional Practice unit that requires completion of workplace learning
- b) 216 credit points (18 units) of construction management 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).

Urban development core units

These units will engage you in understanding urban development 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.

Construction management 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

Complementary studies may be taken as a second major of 96 credit points or two minors of 48 credit points each. Experiential minors in work integrated learning as well as student exchange are also available.

Second majors

A second major provides the opportunity for you to undertake significant studies in a second urban development discipline such as Property Economics, Urban and Regional Planning, Architectural Studies, Accountancy or Applied Economics and Finance. Second majors are also designed to provide diverse professional skills and knowledge beyond the traditional reaches of the built environment curriculum and can offer a range of study options in other fields.

Minors

Minors will allow you undertake studies in a companion discipline. They are designed to provide you with introductory to intermediate level knowlege and skills in areas complementary to your studies. You can choose a minor from other built environment disciplines. There are also minors designed to distinguish students in the employment marketplace with complementary non-discipline skills and competencies that you can choose from a range of inter- and intra-faculty disciplines.

Pathways to further study

The (UD01) Bachelor of Urban Development (Honours) is located at Level 8 of the Australian Qualifications Framework (AQF). Graduates may be eligible for discipline relevant masters and/or doctoral level programs.

International Course structure

Your QUT Bachelor of Urban Development (Honours) (Construction Management) degree consists of 384 credit points (32 units) arranged as follows:

a) 72 credit points (6 units) of urban development core units, which includes a

Professional Practice unit that requires completion of workplace learning

- b) 216 credit points (18 units) of construction management 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).

Urban development core units

These units will engage you in understanding urban development 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.

Construction management 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

Complementary studies may be taken as a second major of 96 credit points or two minors of 48 credit points each. Experiential minors in work integrated learning as well as student exchange are also available.

Second majors

A second major provides the opportunity for you to undertake significant studies in a second urban development discipline such as Property Economics, Urban and Regional Planning, Architectural Studies, Accountancy or Applied Economics and Finance. Second majors are also designed to provide diverse professional skills and knowledge beyond the traditional reaches of the built environment curriculum and can offer a range of study options in other fields.

Minors

Minors will allow you undertake studies in a companion discipline. They are designed to provide you with introductory to intermediate level knowlege and skills in areas complementary to your studies. You can choose a minor from other built environment disciplines. There are also minors designed to distinguish students in



Bachelor of Urban Development (Honours) (Construction Management)

the employment marketplace with complementary non-discipline skills and competencies that you can choose from a range of inter- and intra-faculty disciplines.

Pathways to further study

The (UD01) Bachelor of Urban Development (Honours) is located at Level 8 of the Australian Qualifications Framework (AQF). Graduates may be eligible for discipline relevant masters and/or doctoral level programs.

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		
BSB113	Economics	
UXB100	Design-thinking for the Built Environment	
UXB110	Residential Construction	
UXB115	Introduction to Modern Construction Business	
Year 1, S	emester 2	
UXB111	Imagine Construction Management	
UXB112	Introduction to Structures	
UXB113	Measurement for Construction	
UXB114	Integrated Construction	
Year 2, Semester 1		
UXB210	Commercial Construction	
UXB211	Building Services	
UXB213	Advanced Measurement for Construction	
2nd Major/Minor unit		
Year 2, S	emester 2	
LWS012	Urban Development Law	
UXB212	Design for Structures	
UXH315	Construction Estimating	
2nd Major/Minor unit		
Year 3, Semester 1		
USB300	Property Development	
UXH310	High-rise Construction	
UXH311	Contract Administration	
2nd Major/Minor unit		

Year 3, Semester 2

UXH300

UXB301 Professional Practice

UXH312 Construction Legislation

Research Methods for the

Future Built Environment

2nd Major/Minor unit			
Year 4, S	Year 4, Semester 1		
UXH400 -1	Project - Part A		
UXH411	Programming and Scheduling		
2nd Major/Minor unit			
2nd Major/Minor unit			
Year 4, S	emester 2		
UXH400 -2	Project - Part B		
UXH410	Strategic Construction Management		
2nd Major/Minor unit			
2nd Major/Minor unit			



Bachelor of Urban Development (Honours) (Quantity Surveying and Cost Engineering)

Year	2020
QUT code	UD01
CRICOS	080479J
Duration (full-time)	4 years
Duration (part-time domestic)	8 years
ОР	14
Rank	70
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$10,100 per year full-time (96 credit points)
International fee (indicative)	2020: \$32,300 per year full-time (96 credit points)
Total credit points	384
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 Donehue; email: sef.enquiry@qut.edu.au; ph: +61 7 3138 8822
Discipline Coordinator	Mr Jason Gray sef.enquiry@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)

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:

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary 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

Course Overview

The QUT Bachelor of Urban Development (Honours) degree with a primary major (Study Area A) in Quantity Surveying and Cost Engineering is designed to provide you with 'real-life' exposure, and the knowledge and skills to prepare you for rewarding career the Construction, Resources and associated industries. With the capacity, will and innovation to contribute to a better built environment, as a work-ready graduate, you will be able to apply sound judgement and expertise in practice within your chosen field.

Course Design

Your QUT Bachelor of Urban Development (Honours) (Quantity Surveying and Cost Engineering) degree consists of 384 credit points (32 units) arranged as follows:

- a) 72 credit points (6 units) of Urban Development Core units, which includes a Work Integrated Learning unit that requires completion of workplace learning.
- **b)** 216 credit points (18 units) of Quantity Surveying and Cost Engineering 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).

Urban Development Core Units

These units will engage you in understanding Urban Development 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.

Quantity Surveying and Cost Engineering 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:

Urban Development disciplines:

- •Urban and Regional Planning Studies
- Property
- Accountancy
- Applied Economics and Finance

(additional second major choices are currently under development)

Minors:



Bachelor of Urban Development (Honours) (Quantity Surveying and Cost Engineering)

A choice of two minors from the lists below:

Urban Development disciplines:

- •Urban and Regional Planning Studies
- Property Development
- Property Investment and Finance
- Property Valuation

Other disciplines:

- Language Minors University Wide Options
- University Wide Minors

Special Course Requirements

You are required to obtain a minimum of 80 days of approved quantity surveying and cost engineering industrial experience as part of your Work Integrated Learning core unit.

Professional Recognition

Graduates are eligible for membership of the Australian Institute of Quantity Surveyors (AIQS), the Royal Institution of Chartered Surveyors (RICS) and Board of Quantity Surveyors Malaysia (BQSM).

Pathways to Further Study

The (UD01) Bachelor of Urban Development (Honours) is located at Level 8 of the Australian Qualifications Framework (AQF). Graduates may be eligible for discipline relevant Masters and/or Doctoral level programs

Domestic Course structure

Your QUT Bachelor of Urban Development (Honours) (Quantity Surveying and Cost Engineering) degree consists of 384 credit points (32 units) arranged as follows:

- a) 72 credit points (6 units) of urban development core units, which includes a Professional Practice unit that requires completion of workplace learning
- b) 216 credit points (18 units) of quantity surveying and cost engineering 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).

Urban development core units

These units will engage you in understanding urban development 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.

Quantity surveying and cost engineering 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

Complementary studies may be taken as a second major of 96 credit points or two minors of 48 credit points each. Experiential minors in work integrated learning as well as student exchange are also available.

Second majors

A second major provides the opportunity for you to undertake significant studies in a second Urban Development discipline such as Property Economics, Urban and Regional Planning, Architectural Studies, Accountancy or Applied Economics and Finance. Second majors are also designed to provide diverse professional skills and knowledge beyond the traditional reaches of the built environment curriculum and can offer a range of study options in other fields.

Minors

Minors will allow you undertake studies in a companion discipline. They are designed to provide you with introductory to intermediate level knowlege and skills in areas complementary to your studies. You can choose a minor from other built environment disciplines. There are also minors designed to distinguish students in the employment marketplace with complementary non-discipline skills and competencies that you can choose from a range of inter- and intra-faculty disciplines.

Pathways to further study

The (UD01) Bachelor of Urban Development (Honours) is located at Level 8 of the Australian Qualifications Framework (AQF). Graduates may be eligible for discipline relevant masters and/or doctoral level programs.

International Course structure

Your QUT Bachelor of Urban Development (Honours) (Quantity Surveying and Cost Engineering) degree consists of 384 credit points (32 units) arranged as follows:

- a) 72 credit points (6 units) of Urban
 Development Core units, which includes a
 Professional Practice unit that requires
 completion of workplace learning.
- b) 216 credit points (18 units) of Quantity Surveying and Cost Engineering 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).

Urban Development Core Units

These units will engage you in understanding Urban Development 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.

Quantity Surveying and Cost Engineering 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

Complementary studies may be taken as a Second Major of 96 credit points or two Minors of 48 credit points each. Experiential minors in Work Integrated Learning as well as student exchange are also available.

Second Majors

A second major provides the opportunity for you to undertake significant studies in a second Urban Development discipline such as Property Economics, Urban and Regional Planning, Architectural Studies, Accountancy or Applied Economics and Finance. Second majors are also designed to provide diverse professional skills and knowledge beyond the traditional reaches of the built environment curriculum and can offer a range of study options in other fields.

Minors

Minors will allow you undertake studies in a companion discipline. They are



Bachelor of Urban Development (Honours) (Quantity Surveying and Cost Engineering)

designed to provide you with introductory to intermediate level knowlege and skills in areas complementary to your studies. You can choose a minor from other built environment disciplines. There are also minors designed to distinguish students in the employment marketplace with complementary 'non-discipline' skills and competencies that you can choose from a range of inter- and intra-faculty disciplines.

Pathways to Further Study

The (UD01) Bachelor of Urban Development (Honours) is located at Level 8 of the Australian Qualifications Framework (AQF). Graduates may be eligible for discipline relevant Masters and/or Doctoral level programs.

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

UXH310	High-rise Construction	
UXH311	Contract Administration	
2nd Major/Minor unit		
Year 3, Semester 2		
UXB301	Professional Practice	
UXH300	Research Methods for the Future Built Environment	
UXH321	Cost Planning and Controls	
2nd Major/Minor unit		
Year 4, Semester 1		
UXH400 -1	Project - Part A	
UXH420	Risk Management in the Energy and Resources Sectors	
2nd Major/Minor unit		
2nd Major/Minor unit		
Year 4, Semester 2		
UXH312	Construction Legislation	
UXH400 -2	Project - Part B	
2nd Major/Minor unit		
2nd Major/Minor unit		

Code	Title	
Year 1, Semester 1		
BSB113	Economics	
UXB100	Design-thinking for the Built Environment	
UXB110	Residential Construction	
UXB115	Introduction to Modern Construction Business	
Year 1, S	emester 2	
UXB113	Measurement for Construction	
UXB114	Integrated Construction	
UXB120	Introduction to Heavy Engineering Sector Technology	
UXB121	Imagine Quantity Surveying and Cost Engineering	
Year 2, S	emester 1	
UXB210	Commercial Construction	
UXB211	Building Services	
UXB213	Advanced Measurement for Construction	
2nd Majo	r/Minor unit	
Year 2, S	emester 2	
LWS012	Urban Development Law	
UXB220	Services and Heavy Engineering Measurement	
UXH315	Construction Estimating	
2nd Major/Minor unit		
Year 3, Semester 1		
USB300	Property Development	





Bachelor of Urban Development (Honours) (Urban and Regional Planning)

Year	2020
QUT code	UD01
CRICOS	080479J
Duration (full-time)	4 years
Duration (part-time domestic)	8 years
ОР	14
Rank	70
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$10,100 per year full-time (96 credit points)
International fee (indicative)	2020: \$32,300 per year full-time (96 credit points)
Total credit points	384
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 Donehue; email: sef.enquiry@qut.edu.au; ph: +61 7 3138 8822
Discipline Coordinator	Mellini Sloan sef.enquiry@qut.edu.au

Domestic Assumed knowledge

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

 English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)

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:

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 QUT Bachelor of Urban Development (Honours) degree with a primary major (Study Area A) in Urban and Regional Planning is designed to provide you with 'real-life' exposure and knowledge and expertise in the field to design and administer plans and policy at neighbourhood, local, regional and state levels. With the capacity and will to contribute to a better built environment, as a work-ready graduate, you will be able to apply your perceptive sensibilities and skills in practice to create sustainable natural and human environments.

Course Design

Your QUT Bachelor of Urban Development (Honours) (Urban and Regional Planning) degree consists of 384 credit points (32 units) arranged as follows:

- a) 72 credit points (6 units) of Urban Development Core units, which includes a Work Integrated Learning unit that requires completion of workplace learning.
- **b)** 216 credit points (18 units) of Urban and Regional Planning 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).

Urban Development Core Units

These units will engage you in understanding Urban Development 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.

Urban and Regional Planning 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:

Urban Development disciplines:

- Urban Development Construction
- Property
- Accountancy
- Applied Economics and Finance

(additional second major choices are currently under development)

Minors:

A choice of two minors from the lists below:

Urban Development disciplines:

- Residential Construction
- Administration in Construction
- Building Economics
- Property Development
- Property Investment and Finance
- Property Valuation

Other disciplines:

- •Urban Design
- Language Minors University Wide Options
- University Wide Minors



Bachelor of Urban Development (Honours) (Urban and Regional Planning)

Professional Recognition

Graduates are eligible for membership of the Planning Institute of Australia (PIA)

Pathways to Further Study

The (UD01) Bachelor of Urban Development (Honours) is located at Level 8 of the Australian Qualifications Framework (AQF). Graduates may be eligible for discipline relevant Masters and/or Doctoral level programs

Domestic Course structure

Your QUT Bachelor of Urban Development (Honours) (Urban and Regional Planning) degree consists of 384 credit points (32 units) arranged as follows:

- a) 72 credit points (6 units) of urban development core units, which includes a Professional Practice unit that requires completion of workplace learning
- b) 216 credit points (18 units) of urban and regional planning 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).

Urban development core units

These units will engage you in understanding urban development 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.

Urban and regional planning 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

Complementary studies may be taken as a second major of 96 credit points or two minors of 48 credit points each. Experiential minors in work integrated learning as well as student exchange are also available.

Second majors

A second major provides the opportunity for you to undertake significant studies in a second Urban Development discipline such as Property Economics, Construction Management, Architectural Studies, Accountancy, Applied Economics and Finance. Second majors are also designed to provide diverse professional skills and knowledge beyond the traditional reaches of the built environment curriculum and can offer a range of study options in other fields.

Minors

Minors will allow you undertake studies in a companion discipline. They are designed to provide you with introductory to intermediate level knowlege and skills in areas complementary to your studies. You can choose a minor from other built environment disciplines. There are also minors designed to distinguish students in the employment marketplace with complementary non-discipline' skills and competencies that you can choose from a range of inter- and intra-faculty disciplines.

Pathways to further study

The (UD01) Bachelor of Urban Development (Honours) is located at Level 8 of the Australian Qualifications Framework (AQF). Graduates may be eligible for discipline relevant masters and/or doctoral level programs.

International Course structure

Your QUT Bachelor of Urban Development (Honours) (Urban and Regional Planning) degree consists of 384 credit points (32 units) arranged as

- a) 72 credit points (6 units) of Urban Development Core units, which includes a Professional Practice unit that requires completion of workplace learning.
- b) 216 credit points (18 units) of Urban and Regional Planning 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).

Urban Development Core Units

These units will engage you in understanding Urban Development 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.

Urban and Regional Planning 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

Complementary studies may be taken as a Second Major of 96 credit points or two Minors of 48 credit points each. Experiential minors in Work Integrated Learning as well as student exchange are also available.

Second Majors

A second major provides the opportunity for you to undertake significant studies in a second Urban Development discipline such as Property Economics, Construction Management, Architectural Studies, Accountancy, Applied Economics and Finance. Second majors are also designed to provide diverse professional skills and knowledge beyond the traditional reaches of the built environment curriculum and can offer a range of study options in other fields.

Minors

Minors will allow you undertake studies in a companion discipline. They are designed to provide you with introductory to intermediate level knowlege and skills in areas complementary to your studies. You can choose a minor from other built environment disciplines. There are also minors designed to distinguish students in the employment marketplace with complementary 'non-discipline' skills and competencies that you can choose from a range of inter- and intra-faculty disciplines.

Pathways to Further Study

The (UD01) Bachelor of Urban Development (Honours) is located at Level 8 of the Australian Qualifications Framework (AQF). Graduates may be eligible for discipline relevant Masters and/or Doctoral level programs.

Sample Structure Semesters

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



Bachelor of Urban Development (Honours) (Urban and Regional Planning)

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

• <u>rea</u>	r 4, Semester 2	
Code	Title	
Year 1, S	emester 1	
UXB100	Design-thinking for the Built Environment	
UXB130	History of the Built Environment	
UXB131	Planning and Design Practice	
UXB132	Urban Analysis	
Year 1, S	emester 2	
LWS012	Urban Development Law	
UXB133	Urban Studies	
UXB134	Land Use Planning	
UXB135	Negotiation and Conflict Resolution	
Year 2, S	emester 1	
BSB113	Economics	
UXB231	Stakeholder Engagement	
UXB233	Planning Law	
2nd Majo	r/Minor unit	
Year 2, S	emester 2	
UXB230	Site Planning	
UXB234	Transport Planning	
2nd Majo	r/Minor unit	
2nd Majo	r/Minor unit	
Year 3, S	emester 1	
USB300	Property Development	
UXB330	Urban Design	
2nd Majo	r/Minor unit	
2nd Majo	r/Minor unit	
Year 3, S	emester 2	
UXB301	Professional Practice	
UXH300	Research Methods for the Future Built Environment	
UXH331	Environmental Planning	
2nd Majo	r/Minor unit	
Year 4, S	emester 1	
UXH400 -1	Project - Part A	
UXH430	Planning Theory and Ethics	
UXH431	Urban Planning Practice	
2nd Majo	r/Minor unit	
Year 4, S	emester 2	
UXH400 -2	Project - Part B	
UXH432	Community Planning	
UXH433	Regional Planning	
2nd Majo	r/Minor unit	
Zita major/winor and		





Bachelor of Creative Industries/Bachelor of Information Technology

Year	2020
QUT code	ID03
CRICOS	059227E
Duration (full-time)	4 years
ОР	14
Rank	70
Offer Guarantee	Yes
Campus	Gardens Point, Kelvin Grove
Domestic fee (indicative)	2020 CSP \$8,500 per year full-time (96 credit points)
International fee (indicative)	2020: \$34,200 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	Dr Sophie McIntyre (Creative Industries); SEF Enquiries (Information Technology); ph: +61 7 3138 8822; email: sef.enquiry@qut.edu.au
Discipline Coordinator	Dr Wayne Kelly (Computer Science), Dr Erwin Fielt (Information Systems) +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

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

- 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)

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:

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

TELTS (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 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 two introductory units to experience your preferred majors. 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 creative industries 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

Your course

In order 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 two introductory units to experience your preferred majors. Using this experience, you then decide upon a creative



Bachelor of Creative Industries/Bachelor of Information Technology

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 creative industries 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

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

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Codo		Titlo		

Year 1, Semester 1

IT Core Unit

IT Core Unit KKB180 Creative Futures

A unit from the Creative Industries Introductory Unit Options List

Year 1, Semester 2

IT Core Unit

IT Core Unit

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.

Year 2, Semester 1

IT Core Unit Option

IT Core Unit Option

Creative Industries Major: First Unit

Creative Industries Major: Second Unit

Year 2, Semester 2

IT Major Unit

IT Major Unit

Creative Industries Major: Third Unit Creative Industries Major: Fourth Unit

Year 3, Semester 1

IT Major Unit

IT Major Unit

Creative Industries Major: Fifth Unit Creative Industries Major: Sixth Unit

Year 3, Semester 2

IT Major Unit

IT Major Unit

KKB285 | Creative Enterprise Studio 2 Creative Industries Major: Seventh Unit

Year 4, Semester 1

IT Major Unit

IT Major Unit

Creative 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, Semester 2

IT Major Unit

IT Major Unit

KKB385 | Creative Enterprise Studio 3

Semesters

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

IT Core Unit

IT Core Unit

KKB185 | Creative Enterprise Studio 1

A unit from the Creative Industries Introductory Unit Options List

Year 2, Semester 1

IT Core Unit

IT Core Unit

KKB180 Creative Futures

A unit from the Creative Industries Introductory Unit Options List

Note: Students considering studying overseas in Year 3 Semester 1 must apply by 1 June.

Year 2, Semester 2

IT Core Unit Option

IT Core Unit Option

Creative Industries Major: First Unit Creative Industries Major: Second Unit

Year 3, Semester 1

IT Major Unit

IT Major Unit

Creative Industries Major: Third Unit Creative Industries Major: Fourth Unit

Year 3, Semester 2

IT Major Unit

IT Major Unit

KKB285 | Creative Enterprise Studio 2

Creative Industries Major: Fifth Unit

Year 4, Semester 1

IT Major Unit

IT Major Unit

Creative Industries Major: Sixth Unit Creative Industries Major: Seventh Unit

Year 4, Semester 2

IT Major Unit

IT Major Unit

KKB385 Creative Enterprise Studio 3

Year 5, Semester 1

IT Major Unit

IT Major Unit

Creative Industries Major: Eighth Unit

A unit from the Creative Industries WIL Unit Options List:

KKB341 | Work Integrated Learning 1

KKB380

Creative Enterprise and 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

Semester 1 (February) commencements



Bachelor of Creative Industries/Bachelor of Information Technology

Bachel	or of Creative Industries/Ba
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
	Semester 1
	Jnit Option
	Jnit Option
	Semester 2
CAB201	Programming Principles
CAB202	Microprocessors and Digital Systems
	Semester 1
CAB203	
	Software Development
	Semester 2
CAB303	
IFB295	IT Project Management
	Semester 1
CAB301	Algorithms and Complexity
IFB398	Capstone Project (Phase 1)
	Semester 2
IFB399 Select on	Capstone Project (Phase 2)
	High Performance and
CAB401	Parallel Computing
CAB402	Programming Paradigms
CAB403	, ,
CAB420	Machine Learning
	r 2 (July) commencements
Year I, S	Semester 2 Introduction to Computer
IFB102	Systems
IFB103	IT Systems Design
Year <u>2, S</u>	Semester 1
IFB104	Building IT Systems
IFB105	Database Management
Year 2, S	Semester 2
CAB201	Programming Principles
IT Core U	Jnit Option
Year 3, S	Semester 1
CAB202	Microprocessors and Digital Systems
CAB301	Algorithms and Complexity
Year 3, S	Semester 2
CAB303	Networks
IFB295	IT Project Management
	Semester 1
	Discrete Structures
CAB302	Software Development
	Semester 2
IFB398	Capstone Project (Phase 1)

helor of Ir	nformation Technology	
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	NE of:	
CAB402	Programming Paradigms	
CAB420	Machine Learning	
OR IT Co	re Unit Option	
	Core Unit Option here, if not previously.)	
com • Year	mencements 1, Semester 1 1, Semester 2 2, Semester 1 2, Semester 2 3, Semester 1 3, Semester 1 4, Semester 2 4, Semester 1 4, Semester 2 6, Semester 3 7, Se	
 Year 1, Semester 2 Year 2, Semester 1 Year 2, Semester 2 Year 3, Semester 1 Year 3, Semester 2 		

 Year 1, Semester 2 Year 2, Semester 1 Year 2, Semester 2 Year 3, Semester 1 Year 3, Semester 2 		
• <u>Yea</u> • <u>Yea</u> • <u>Yea</u>	r 4, Semester 1 r 4, Semester 2 r 5, Semester 1	
Code	Title	
	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	Init Option	
IT Core U	Init Option	
Year 2, S	emester 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	
Year 3, S	emester 2	
IAB305	Information Systems Lifecycle Management	
IFB295	IT Project Management	

V 4 C		
Year 4, S		
IFB398	Capstone Project (Phase 1)	
Select on		
IAB206 IAB260	Modern Data Management	
IAD200	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		
IFB102	Introduction to Computer Systems	
IFB103	IT Systems Design	
Year 2, S		
IFB104	Building IT Systems	
IFB105	Database Management	
Year 2, S	•	
IAB201	Modelling Techniques for	
IT Core II	Information Systems	
IT Core Unit Option Year 3, Semester 1		
real 3, 3	Business Requirements	
IAB204	Analysis	
IAB207	Rapid Web Application Development	
Year 3, S	emester 2	
IAB305	Information Systems Lifecycle Management	
IT Core U	nit Option	
Year 4, S	•	
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 ON	NE of:	
IAB206	Modern Data Management	
IAB260	Social Technologies	
IAB303	Data Analytics for Business Insight	
IAB320	Business Process Improvement	
	Information Systems	





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

Year	2020
QUT code	ID10
CRICOS	096583M
Duration (full-time)	4 years
ОР	14
Rank	70
Offer Guarantee	Yes
Campus	Gardens Point, Kelvin Grove
Domestic fee (indicative)	2020 CSP \$8,200 per year full-time (96 credit points)
International fee (indicative)	2020: \$33,900 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; SEF Enquiries (Information Technology); 3138 8822; sef.enquiry@qut.edu.au
Discipline Coordinator	Dr Elija Cassidy (Digital Media); Dr Wayne Kelly (Computer Science), Dr Erwin Fielt (Information Systems) Cl: +61 7 3138 2000: SEF: +61 7 3138 8822 askqut@qut.edu.au (Digital Media); sef.enquiry@qut.edu.au

(Information Technology)

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)

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:

International Entry requirements Prerequisites

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

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary 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

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

<u>Study overseas</u> while earning credit towards your QUT creative industries 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 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

<u>Study overseas</u> while earning credit towards your QUT creative industries 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.



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

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
- 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

CYB101

Introduction to Communication

CYB102

Introduction to Media and Entertainment Industries

IT Core Unit

IT Core Unit

Year 1, Semester 2

CYB103

Communication Theory and Practice

CYB104 Managing Social Media
IT Core Unit

IT Core Unit

Note: Students considering studying overseas in Year 2 Semester 2 must apply by 1 November.

Year 2, Semester 1

CCB101 Media Issues and Debates

CYB105 Understanding Audiences

IT Core Unit

IT Core Unit

Year 2, Semester 2

CCB102 Multi-Media Design

CYB106

Global Media and Entertainment Industries

IT Major Unit

IT Major Unit

Year 3, Semester 1

CCB200 Digital Platforms

CCB202 Social Media, Self and Society

IT Major Unit

IT Major Unit

Year 3, Semester 2

CCB201 Australian Media

CCB204

Communication Planning and Practice

IT Major Unit

IT Major Unit

Year 4, Semester 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

IT Major Unit

IT Major Unit

Year 4, Semester 2

CCB302 Digital Media Analytics
CCB303 Digital Media Project

IT Major Unit

IT Major Unit

Semester 2 (July) commencements

Year 1, Semester 2

CYB103 Communication Theory and Practice

CYB104 | Managing Social Media

IT Core Unit

IT Core Unit

Year 2, Semester 1

CYB101	Introduction to
	Communication

CYB102 Introduction to Media and Entertainment Industries

IT Core Unit
IT Core Unit

Note: Students considering studying overseas in Year 3 Semester 1 must apply by 1 June.

Year 2, Semester 2

CCB102	Multi-Media Design
CYB106	Global Media and
CIDIOO	First and a linear and the almost air a

Entertainment Industries

IT Core Unit

IT Core Unit

Year 3, Semester 1

CCB101 Media Issues and Debates
CYB105 Understanding Audiences

IT Major Unit

IT Major Unit

Year 3, Semester 2

CCB201 Australian Media
CCB204 Communication Planning and Practice

IT Major Unit

IT Major Unit

Year 4, Semester 1

CCB200 Digital Platforms
CCB202 Social Media, Self and Society

Major I Init

IT Major Unit

IT Major Unit

Year 4, Semester 2

CCB302 Digital Media Analytics
CCB303 Digital Media Project

IT Major Unit

IT Major Unit

Year 5, Semester 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

IT Major Unit

IT Major Unit

Semesters

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

Year 3, Semester 2

CAB303 Networks

IFB295 IT Project Management

CAB302 Software Development

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

Bachel	or of Communication (Digi
Year 4, S	Gemester 1
CAB301	Algorithms and Complexity
IFB398	Capstone Project (Phase 1)
Year 4, S	Semester 2
IFB399	Capstone Project (Phase 2)
Select on	ne of:
CAD404	High Performance and
CAB401	Parallel Computing
CAB402	Programming Paradigms
CAB403	Systems Programming
CAB420	Machine Learning
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
CAB201	Programming Principles
IT Core U	Jnit Option
Year 3, S	Semester 1
CAB202	Microprocessors and Digital Systems
CAB301	Algorithms and Complexity
Year 3, S	Semester 2
CAB303	Networks
IFB295	IT Project Management
Year 4, S	Semester 1
CAB203	Discrete Structures
CAB302	Software Development
Year 4, S	Semester 2
IFB398	Capstone Project (Phase 1)
Select OI	NE of:
CAB401	High Performance and Parallel Computing
CAB403	Systems Programming
OR IT Co	ore Unit Option
Year 5, S	Semester 1
IFB399	Capstone Project (Phase 2)
Select OI	NE of:
CAB402	Programming Paradigms
CAB420	Machine Learning
OR IT Co	ore Unit Option
(Select I7	Core Unit Option here, if not previously.)
Semeste	ers

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

• Year 4, Semester 1		
	Year 4, Semester 2Year 5, Semester 1	
- Icai		
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 Unit Option		
IT Core Unit Option		
Year 2, S	Year 2, Semester 2	
IAB201	Modelling Techniques for Information Systems	
IAB207	Rapid Web Application Development	
Year 3, S	emester 1	
IAB203	Business Process Modelling	

Teal 3, Selliestel 1	
IAB203	Business Process Modelling
IAB204	Business Requirements Analysis
Year 3, S	emester 2

Teal of oculosici z	
IAB305	Information Systems Lifecycle Management
IFB295	IT Project Management

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

Year 4, Semester 2	
IAB401	Enterprise Architecture
IFB399	Capstone Project (Phase 2)

Semester 2 (July) commencements

Consulting

Year 1	, Semester	2

IAB402

Year 4, Semester 1

IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
V 0 0	

Year 2, Semester 1

Building IT Systems

IFB105	Database Management
Year 2, S	emester 2
IAB201	Modelling Techniques for Information Systems
IT Core U	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 U	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





Bachelor of Communication (Journalism)/Bachelor of Science

Year	2020
QUT code	ID11
CRICOS	096584K
Duration (full-time)	4 years
ОР	10
Rank	79
Offer Guarantee	Yes
Campus	Gardens Point, Kelvin Grove
Domestic fee (indicative)	2020 CSP \$8,200 per year full-time (96 credit points)
International fee (indicative)	2020: \$37,100 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	Program Director, School of Communication; Dr Graham Johnson (Science); 3138 8822; sef.enquiry@qut.edu.au;
Discipline Coordinator	Dr Jason Sternberg (Journalism); Dr Marion Bateson (Biological Science); Aspro Tim Dargaville (Chemistry); Dr Luke Nothdurft (Earth Science); Dr Andrew Baker (Environmental Science); Aspro Jamie Trapp (Physics) (Science) CI: +61 7 3138 2000; SEF: +61 7 3138 8822 askqut@qut.edu.au

(Journalism);

sef.enquiry@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)

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:

International Entry requirements Prerequisites

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

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

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 (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

<u>Study overseas</u> while earning credit towards your QUT creative industries 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 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

<u>Study overseas</u> while earning credit towards your QUT creative industries 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,





Bachelor of Communication (Journalism)/Bachelor of Science

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
- 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) commence

ements

Year 1, Semester 1

CJB101 Newswriting

Introduction to **CYB101** Communication

Science Unit

Science Unit

Year 1, Semester 2

Communication Theory and **CYB103** Practice

LWS011 Journalism Law

Science Unit

Science Unit

Note: Students considering studying overseas in Year 2 Semester 2 must apply by 1 November.

Year 2, Semester 1

CJB102 Visual Journalism Introduction to Media and **CYB102 Entertainment Industries**

Science Unit

Science Unit

Year 2, Semester 2

CJB103 Journalistic Inquiry

CYB104 Managing Social Media

Science Unit

Science Unit

Year 3, Semester 1

CJB201 Feature Writing

CJB202 Production Journalism

Science Unit

Science Unit

Year 3, Semester 2

CJB203 Newsroom

Science Unit

Science Unit

Year 4, Semester 1

CJB302 Newsdesk

Science Unit

Science Unit

Year 4, Semester 2

CJB204 Journalism Ethics and Issues

CJB301 International Newsdesk

Science Unit

Science Unit

Semester 2 (July) commencements

Year 1, Semester 2

Communication Theory and CYB103 Practice

CYB104 Managing Social Media

Science Unit

Science Unit

Year 2, Semester 1

CJB101 Newswriting Introduction to CYB101 Communication

Science Unit

Science Unit

Note: Students considering studying overseas in Year 3 Semester 1 must apply by 1 June.

Year 2, Semester 2

CJB103 Journalistic Inquiry LWS011 Journalism Law

Science Unit

Science Unit

Year 3, Semester 1

CJB102 Visual Journalism Introduction to Media and

CYB102

Entertainment Industries

Science Unit

Science Unit

Year 3, Semester 2

CJB203 Newsroom

Science Unit

Science Unit

Year 4, Semester 1

CJB201 Feature Writing CJB202 Production Journalism

Science Unit

Science Unit

Year 4, Semester 2

Journalism Ethics and Issues CJB301 International Newsdesk

Science Unit

Science Unit

Year 5, Semester 1

CJB302 Newsdesk

Science Unit

Science 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
- 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	
	Semester

SEB104 Grand Challenges in Science

Quantitative Methods in **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

BVB101 Foundations of Biology

BVB102 Evolution

Year 3 Semester 1

Experimental Design and BVB202 Quantitative Methods BVB301 Animal Biology

Year 3 Semester 2

BVB201 Biological Processes

BVB204 Ecology

Year 4 Semester 1

BVB203 Plant Biology Microbiology and the **BVB305**

Year 4 Semester 2

BVB304 Integrative Biology Population Genetics and **BVB313**

Environment

Molecular Ecology Semester 2 (July) commencements

Year 1, Semester 2

SEB104 Grand Challenges in Science

Quantitative Methods in **SEB113** Science

Year 2, Semester 1



Bachelor of Communication (Journa

SEB115	Experimental Science 1		
SEB116	Experimental Science 2		
Year 2, Semester 2			
BVB101	Foundations of Biology		
BVB102	Evolution		
Year 3, Semester 1			
BVB202	Experimental Design and Quantitative Methods		
BVB301	Animal Biology		
Year 3, Semester 2			
BVB201	Biological Processes		
BVB204	Ecology		
Year 4, S	emester 1		
BVB203	Plant Biology		
BVB305	Microbiology and the Environment		
Year 4, S	Year 4, Semester 2		
BVB304	Integrative Biology		
BVB313	Population Genetics and Molecular Ecology		
Year 5, S	Year 5, Semester 1		
Science Core Unit Option			
Science I	Science Major Unit Option		

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- 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 Semester 2			
MXB100	Introductory Calculus and Algebra		
Science C	Core Unit Option		
Year 2 Semester 1			
SEB115	Experimental Science 1		
SEB116	Experimental Science 2		
Year 2 Semester 2			
CVB101	General Chemistry		
CVB102	Chemical Structure and Reactivity		
Year 3 Semester 1			
CVB201	Inorganic Chemistry		
CVB202	Analytical Chemistry		
Year 3 Se	emester 2		
CVB203	Physical Chemistry		

alism)/	Bad	chelor of Science
CVB2	04	Organic Structure and Mechanisms
Year 4	4 S€	emester 1
CVB3	01	Organic Chemistry: Strategies for Synthesis
CVB3	02	Applied Physical Chemistry
Year 4	4 Se	emester 2
CVB3	03	Coordination Chemistry
CVB3	04	Chemistry Research Project
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Semester 2 (July) commencements

 Year 4 Semester 1 Year 4 Semester 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	Semester 1 (February) commencements				
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 Semester 1					
ERB201	Destructive Earth: Natural Hazards				
ERB202	Marine Geoscience				
Year 3 Se	emester 2				
ERB203	Sedimentary Geology and Stratigraphy				
ERB204	Deforming Earth: Fundamentals of Structural Geology				
Year 4 Semester 1					

ERB301 Chemical Earth

Year 4 Semester 2

ERB302 Applied Geophysics

ERB303	Energy Resources and Basin Analysis		
ERB304	Dynamic Earth: Plate Tectonics		
Semester	r 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		
ERB102	Evolving Earth		
Year 3, S	emester 1		
ERB201	Destructive Earth: Natural Hazards		
ERB202	Marine Geoscience		
Year 3, S	emester 2		
ERB203	Sedimentary Geology and Stratigraphy		
ERB204	Deforming Earth: Fundamentals of Structural Geology		
Year 4, S	semester 1		
ERB301	Chemical Earth		
ERB302	Applied Geophysics		
Year 4, Semester 2			
ERB303	Energy Resources and Basin Analysis		
ERB304	Dynamic Earth: Plate Tectonics		
Year 5, Semester 1			
Science Core Unit Option			
Science I	Major Unit Option		
Samostara			

Semesters

- Semester 1 (February) commencements
- Year 1 Semester 1
- Year 1 Semester 2

- Year 2 Semester 1Year 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

Title Semester 1 (February) commencements



Year 1 Semester 1



achelor of Communication (Journalism)/Bachelor of Science

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 ERB101 Earth Systems EVB102 Ecosystems and the Environment Year 3 Semester 1 BVB202 Experimental Design and Quantitative Methods EVB203 Geospatial Information Science Year 4 Semester 2 BVB304 Ecology EVB305 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 Semester 2 (July) commencements Year 1, Semester 2 SEB104 Grand Challenges in Science SEB113 Quantitative Methods in Science Year 2, Semester 1 SEB115 Experimental Science 1 SEB116 Experimental Science 1 SEB116 Experimental Science 2 Year 2, Semester 1 SEB116 Experimental Science 1 SEB116 Experimental Science 2 Year 2, Semester 2 ERB101 Earth Systems EVB102 Environment Year 3, Semester 1 BVB203 Geospatial Information Science Year 3, Semester 1 BVB204 Ecology EVB305 Environmental Pollution Year 4, Semester 2 EXB310 Groundwater Systems EVB301 Conservation Biology EVB312 Soils and the Environment Year 4, Semester 2 ERB310 Groundwater Systems EVB301 Groundwater Systems EVB302 Environmental Pollution Year 4, Semester 2 ERB310 Groundwater Systems EVB304 Case Studies in Environment	Bachel	or of Communication (Jour
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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, Semester 2 ERB310 Groundwater Systems EVB304	SEB115	Experimental Science 1
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, Semester 2 ERB310 Groundwater Systems EVB304 Case Studies in	SEB116	Experimental Science 2
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, Semester 2 ERB310 Groundwater Systems EVB304	Year 2, S	emester 2
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, Semester 2 ERB310 Groundwater Systems EVB304	ERB101	Earth Systems
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, Semester 2 ERB310 Groundwater Systems EVB304 Case Studies in	EVB102	
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	Year 3, S	emester 1
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	BVB202	
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	EVB203	•
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	Year 3, S	emester 2
Year 4, Semester 1 BVB311 Conservation Biology EVB312 Soils and the Environment Year 4, Semester 2 ERB310 Groundwater Systems EVB304 Case Studies in	BVB204	Ecology
BVB311 Conservation Biology EVB312 Soils and the Environment Year 4, Semester 2 ERB310 Groundwater Systems EVB304 Case Studies in		
EVB312 Soils and the Environment Year 4, Semester 2 ERB310 Groundwater Systems EVB304 Case Studies in	Year 4, S	emester 1
Year 4, Semester 2 ERB310 Groundwater Systems EVB304 Case Studies in	BVB311	Conservation Biology
ERB310 Groundwater Systems EVB304 Case Studies in	EVB312	Soils and the Environment
EVB304 Case Studies in	Year 4, S	
EVB304	ERB310	Groundwater Systems
	EVB304	-

Year 5, Semester 1
Science Core Unit Option
Science Major Unit Option

Semesters

- Year 1 Semester 1 • Year 1 Semester 2
- Year 2 Semester 1Year 2 Semester 2
- Year 3 Semester 1 Year 3 Semester 2
- Year 4 Semester 1Year 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	emester 2			
PVB102	Physics of the Very Small			
PVB101	Physics of the Very Large			
Year 3 Se	emester 1			
PVB200	Computational and Mathematical Physics			
PVB203	Experimental Physics			
Year 3 Se	emester 2			
PVB202	Mathematical Methods in Physics			
PVB204	Electromagnetism			
Year 4 Semester 1				
PVB301	Materials and Thermal Physics			
PVB302	Classical and Quantum Physics			
Year 4 Se	Year 4 Semester 2			

PVB303 Nuclear and Particle Physics

PVB304 Physics Research





Year	2020
QUT code	ID11
CRICOS	096584K
Duration (full-time)	4 years
ОР	14
Rank	70
Offer Guarantee	Yes
Campus	Gardens Point, Kelvin Grove
Domestic fee (indicative)	2020 CSP \$8,200 per year full-time (96 credit points)
International fee (indicative)	2020: \$37,100 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	Program Director, School of Communication; Dr Graham Johnson (Science); 3138 8822; sef.enquiry@qut.edu.au;
Discipline Coordinator	Dr Glen Thomas (Professional Communication); Dr Marion Bateson (Biological Science); Aspro Tim Dargaville (Chemistry); Dr Luke Nothdurft (Earth Science); Dr Andrew Baker (Environmental Science); Aspro Jamie Trapp (Physics) (Science) Cl: +61 7 3138 2000: SEF: +61 7 3138 8822 askqut@qut.edu.au

(Professional

(Science)

Communication);

sef.enquiry@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)

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:

International Entry requirements Prerequisites

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

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary 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

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

<u>Study overseas</u> while earning credit towards your QUT creative industries 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 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 creative industries degree with one of our worldwide exchange partners.

Overseas study can be for one or two semesters (or during the semester break)



CWB20

CCB204

CWB20

Science Unit

Science Unit

Year 4, Semester 1

Science Unit

Science Unit

Year 3, Semester 2

Practice

Rhetoric: Public

Communication Skills

Communication Planning and

Corporate Writing and Editing

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 4 Semester 1

Year 3, Semester 2Year 4, Semester 1Year 4, Semester 2		CWB30 1	Political Communication	
 Year 4, Sernester 2 Semester 2 (July) commencements Year 1, Semester 2 		CWB30	Communication Project	
	r 2, Semester 1	Science Unit		
	r 2, Semester 2 r 3, Semester 1	Science Unit		
	r 3, Semester 2	Year 4, S	Semester 2	
• Yea	<u>r 4, semester 1</u> <u>r 4, Semester 2</u> r 5, Semester 1	CWB30 2	Advanced Corporate Communication	
Code	Title r 1 (February) commencements	One unit from the Work Integrated Learning Unit Options List (KKB341 or KKB350):		
	semester 1	KKB341	Work Integrated Learning 1	
	Introduction to	KKB350	Creative Industries Study Tour	
CYB101	Communication	Science Unit		
CYB102	Introduction to Media and	Science Unit		
CIDIOZ	Entertainment Industries	Semeste	r 2 (July) commencements	
Science Unit		Year 1, Semester 2		
Science l	Jnit		Communication Theory and	
Year 1, Semester 2		CYB103	Practice	
CYB103	Communication Theory and Practice	CYB104	Managing Social Media	
CVD404		Science Unit		
CYB104 Managing Social Media Science Unit		Science Unit		

Science Unit

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

Science Unit

Science Unit

Year 2, Semester 2

CCB102	Multi-Media Design
CWB10	Interpersonal and Intercultura
3	Negotiation

Science Unit

Science Unit

Year 3, Semester 1

Strategic Speech **CCB203** Communication

Year 2, Semester 1		
CYB101	Introduction to Communication	

Introduction to Media and

CYB102 Entertainment Industries

Science Unit

Science Unit

Note: Students considering studying overseas in Year 3 Semester 1 must apply by 1 June.

Year 2, Semester 2

CCB102	Multi-Media Design
	l l
3	Negotiation

Science Unit

Science Unit

Year 3, Semester 1

CWB10	Communication and Composition: Introduction to Academic Writing
CWB10 2	Influence and Persuasion

Science Unit Science Unit

Year 3, Semester 2

Communication Planning and CCB204 Practice

CWB20

Corporate Writing and Editing

Science Unit Science Unit

Year 4, semester 1

CCB203	Strategic Speech Communication
CWB20 2	Rhetoric: Public Communication Skills

Science Unit

Science Unit

Year 4, Semester 2

CWB30	Advanced Corporate
2	Communication

One unit from the Work Integrated Learning Unit Options List (KKB341 or KKB350):

KKB341 Work Integrated Learning 1

KKB350 Creative Industries Study Tour

Science Unit Science Unit

Year 5 Semeste

	real o, ocinester i		
	CWB30 1	Political Communication	
	CWB30	Communication Project	

Science Unit

Science Unit

- 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) commencement Year 1 Semester 1	
SEB113	Quantitative Methods in Science





Bache	or of Communication (Prof
Year 1 S	emester 2
Science	Core Unit Option
Science I	Major Unit Option
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
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, S	Semester 2
BVB101	Foundations of Biology
BVB102	Evolution
Year 3, S	Semester 1
BVB202	Experimental Design and Quantitative Methods
BVB301	Animal Biology
Year 3, S	Semester 2
BVB201	Biological Processes
BVB204	Ecology
Year 4, S	Semester 1
BVB203	Plant Biology
BVB305	Microbiology and the Environment
Year 4, S	Semester 2
BVB304	Integrative Biology
BVB313	Population Genetics and Molecular Ecology
Year 5, S	Semester 1
Science	Core Unit Option
Science I	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 Se	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 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 Semester 1				
CVB301	Organic Chemistry: Strategies for Synthesis			
CVB302	Applied Physical Chemistry			
Year 4 Se	emester 2			
CVB303	Coordination Chemistry			
CVB304	Chemistry Research Project			

- 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

 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	
FRB101	emester 2	
ERB101		
	Evolving Earth emester 1	
real 3 3	Destructive Earth: Natural	
ERB201	Hazards	
ERB202	Marine Geoscience	
Year 3 S	emester 2	
	Sedimentary Geology and	
ERB203	Stratigraphy	
	Deforming Earth:	
ERB204	Fundamentals of Structural	
Voor 4 C	Geology emester 1	
ERB301	Chemical Earth	
ERB302		
	emester 2	
	Energy Resources and Basin	
ERB303	Analysis	
ERB304	Dynamic Earth: Plate	
LIND304	Tectonics	
	r 2 (July) commencements	
	Semester 2	
SEB104	Grand Challenges in Science	
SEB113	Quantitative Methods in Science	
Vear 2 S	Science Semester 1	
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
	Semester 2	
ERB101	Earth Systems	
ERB102	Evolving Earth	
	Semester 1	
	Destructive Earth: Natural	
ERB201	Hazards	
ERB202	Marine Geoscience	
Year 3, S	Semester 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, Semester 2		
ERB303	Energy Resources and Basin Analysis	
ERB304	Dynamic Earth: Plate 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 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

ERB101 Earth Systems Ecosystems and the EVB102 Environment

Year 3 Semester 1

BVB202	Quantitative Methods
EVB203	Geospatial Information Science

Year 3 Semester 2

BVB204 Ecology

EVB302 Environmental Pollution

Year 4 Semester 1

BVB311 Conservation Biology

	minarioation)/Bachelor of
	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 I	Major Unit Option

Year 2 Se	emester 1	
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
Year 2 Se	emester 2	
PVB102	Physics of the Very Small	
PVB101	Physics of the Very Large	
Year 3 Se	emester 1	
PVB200	Computational and Mathematical Physics	
PVB203	Experimental Physics	
Year 3 Semester 2		
PVB202	Mathematical Methods in 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 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 Semester 2		
MXB100	Introductory Calculus and Algebra	
Science Core Unit Option		





Year	2020
QUT code	ID14
CRICOS	096569J
Duration (full-time)	5 years
ОР	12
Rank	75
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$9,500 per year full-time (96 credit points)
International fee (indicative)	2020: \$38,800 per year full-time (96 credit points)
Total credit points	480
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; phone +61 7 3138 2000; email: askqut@qut.edu.au; SEF Enquiries; email: sef.enquiry@qut.edu.au; phone: +61 7 3138 8822
Discipline Coordinator	Dr Rafael Gomez (Industrial Design); Dr Thomas Rainey (Chemical Process), Associate Professor Jonathan Bunker (Civil), Dr Wayne Kelly (Computer and Software Systems), Dr Aaron Mcfadyen (Electrical and Aerospace), Dr Jacob Coetzee (Electrical), Dr Wim Dekkers/Professor Ted Steinberg (Mechanical), Associate Professor Luis Alvarez (Mechatronics), Associate Professor Devakar Epari (Medical) Cl: +61 7 3138 2000: SEF: +61 7 3138 8822 askqut@qut.edu.au (Industrial Design); sef.enquiry@qut.edu.au (Engineering)

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)

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:

International Entry requirements Prerequisites

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

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

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 480 credit points, made up of 192 credit points from the Bachelor of Design (Industrial Design) and 288 credit points from the Bachelor of Engineering (Honours). You will study design and engineering units in your first your years, and concentrate on engineering studies for the remainder of this course.

Design component

You will complete:

- four school-wide Impact Lab units (48 credit points)
- the industrial design major (144 credit points), including: four shared foundation units (48 credit points)eight units (96 credit points) from the discipline.

Engineering component

Your engineering studies will include:

- four core units (48 credit points) and two core options (24 credit points)
- eight engineering major units (96 credit points)
- eight honours-level units (96 credits points).

You must choose a major from:

- · chemical process engineering
- · civil engineering
- computer and software systems engineering
- electrical engineering
- electrical and aerospace engineering
- mechatronics engineering
- mechanical engineering
- · medical engineering

Study overseas

<u>Study overseas</u> while earning credit towards your QUT creative industries 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 OUT course.

International Course structure

In order to complete this course, you must complete a total of 480 credit points, made up of 192 credit points from the Bachelor of Design (Industrial Design) and 288 credit points from the Bachelor of Engineering (Honours). You will study design and engineering units in your first your years, and concentrate on engineering studies for the remainder of this course.

Design component

You will complete four school-wide Impact Lab units (48 credit points) and the industrial design major (144 credit points) which incorporates four shared foundation units (48 credit points) and eight units (96 credit points) from the discipline.



Engineering component

You will complete four core units (48 credit points), two core option units (24 credit points), two discipline foundation units (24 credit points), eight engineering major units (96 credit points) and eight engineering honours units (96 credit points). You will choose a major from Chemical Process, Civil, Computer and Software Systems, Electrical, Electrical and Aerospace, Mechatronics, Mechanical or Medical.

Study overseas

Study overseas while gaining 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. For more information, visit QUT student exchange.

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
- Year 5, Semester 1
- Year 5, 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
- Year 6, Semester 1

Code	Title	
Semester	Semester 1 (February) commencements	
Year 1, Semester 1		
DYB101	Impact Lab 1: Place	
DYB121	Introducing Design Fabrication	
Engineering Unit		
Engineering Unit		
Year 1, Semester 2		
DYB123	Emerging Design Technology	

010124	Design Consequences	
Engineering Unit		
Engineering Unit		
Note: Students considering studying		

overseas in Year 2 Semester 2 must

DVR124 Decign Concequences

apply by 1 November.	
Year 2, Semester 1	
DNB110	ID Studio 1: User Centred Design
DYB122	Design Visualisations
Engineering Unit	
Engineering Unit	
Year 2, Semester 2	
DNB111	ID Studio 2: Aesthetics and Visualisation
DYB102	Impact Lab 2: People

Engineering Unit Engineering Unit

Year 3, S	emester 1
DNB210	ID Studio 3: Interaction and Experience
	•
DND211	ID Studio 4: Manufacturing

Engineering Unit Engineering Unit

Vear	3	Semester	2
ı c aı	J,	Ochlesici	_

DNB212	ID Studio 5: Applied Technology
DYB201	Impact Lab 3: Plane

Technology

Engineering Unit

Engineering Unit

Year 4, Semester 1

DNB310 ID Studio 6: Systems Design 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

Engineering Unit Engineering Unit

Year 4, Semester 2

DNB311 ID Studio 7: Capstone

Engineering Unit

Engineering Unit

Year 5, Semester 1

Engineering Unit Engineering Unit

Engineering Unit

Engineering Unit

Year 5, Semester 2

Engineering Unit

Engineering Unit

Engineering Unit Engineering Unit

Semester 2 (July) commencements

Year 1, Semester 2

DYB101	Impact Lab 1: Place
DYB123	Emerging Design Technology

Engineering Unit Engineering Unit

Year 2, Semester 1

DNB110	ID Studio 1: User Centred Design
DYB121	Introducing Design

Fabrication

Engineering Unit

Engineering Unit

Note: Students considering studying overseas in Year 3 Semester 1 must apply by 1 June.

Year 2, Semester 2

DNB111	ID Studio 2: Aesthetics and Visualisation	
DYB124	Design Consequences	

Engineering Unit

Engineering Unit

Year 3, Semester 1

DNB211	ID Studio 4: Manufacturing Technology
DYB102	Impact Lab 2: People

Engineering Unit

Engineering Unit

Year 3, Semester 2

DNB212	ID Studio 5: Applied Technology
DYB201	Impact Lab 3: Planet

Engineering Unit Engineering Unit

Year 4, Semester 1

DNB210	ID Studio 3: Interaction and
DIND210	Experience

DYB122 Design Visualisations

Engineering Unit Engineering Unit

Year 4, Semester 2

DNB311 ID Studio 7: Capstone **Engineering Unit**

Engineering Unit

Year 5, Semester 1

DNB310 ID Studio 6: Systems Design 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

Engineering Unit Engineering Unit

Year 5, Semester 2

Engineering Unit Engineering Unit Engineering Unit

Engineering Unit



Year 6, Semester 1
Engineering Unit
Engineering Unit
Engineering Unit
Engineering 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
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1 Year 5 Semester 2

Code	Title		

	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		Semester 2

ı	Todi i Comocioi E	
	EGB100	Engineering Sustainability and Professional Practice
	1.170.400	

	Engineering Computation
Voor 2 Somostor 1	

EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics

		•
Year 2 - Semester 2		
ECD420	Foundation	ns of Electrical

EGB120 Engineering

Foundation Unit Option
Year 3 - Semester 1

EGB261	Unit Operations
EGB323	Fluid Mechanics

Year 3 - Semester 2

CVB101	General Chemistry
EGB322	Thermodynamics

Year 4 - Semester 1

EGB262	Process Principles
	Minerals and Minerals

EGB361 Processing

Year 4 - Semester 2

EGB364 Process Modelling EGH411 Industrial Chemistry

Year 5 - Semester 1

EGB362	Operations Management and Process Economics

EGH400 1	Research Project 1
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EGH404	Research in Engineering Practice	
EGH463	Plant and Process Design	
Year 5 - S	r 5 - Semester 2	
EGH400 -2	Research Project 2	
EGH422	Advanced Thermodynamics	
EGH423	Fluids Dynamics	
EGH462	Process Control	

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

Code	Title	
Semester	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 Sustainabilit Professional Practice	y and

MZB126 Engineering Computation

Year 2 - Semester 1

EGB111	Design
EGB121	Engineering Mechanics

Year 2 - Semester 2

EGB123 | Civil Engineering Systems **Foundation Unit Option**

Year 3 - Semester 1

EGB270	Civil Engineering Materials
EGB272	Traffic and Transport Engineering

Year 3 - Semester 2

EGB273	Principles of Construction
EGB373	Geotechnical Engineering

Year 4, Semester 1

EGB275 Structural Mechanics

EGB371 Engineering Hydraulics

Year 4 - Semester 2

EGB376 Steel Design

EGH471 Advanced Water Engineering

Year 5 - Semester 1

EGB375	Design of Concrete Structures	
EGH400 -1	Research Project 1	
EGH404	Research in Engineering Practice	
EGH473	Advanced Geotechnical Engineering	
Year 5 - Semester 2		
EGH400 -2	Research Project 2	
EGH472	Advanced Highway and Pavement Engineering	
EGH475	Advanced Concrete Structures	
EGH479	Advances in Civil Engineering Practice	

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

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
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MZB126 Engineering Computation

Year 2 - Semester 1

	Foundation of Engineering
	Design

EGB121 Engineering Mechanics

Year 2 - Semester 2

Foundations of Electrical EGB120 Engineering

Foundation Unit Option

Year 3 - Semester 1

CAB201 Programming Principles

EGB242 Signal Analysis

Year 3 - Semester 2

Microprocessors and Digital CAB202 Systems

Intermediate Electrical Option Unit

Year 4 - Semester 1



EGB240	Electronic Design	
CAB301	Algorithms and Complexity	
Year 4 - 9	Semester 2	
CAB403	Systems Programming	
EGH404	Research in Engineering Practice	
Year 5 - 8	Semester 1	
EGH400 -1	Research Project 1	
CAB302	Software Development	
EGH456	Embedded Systems	
Advanced Computer & Software Systems Option Unit		
Year 5 - Semester 2		
EGH400 -2	Research Project 2	
EGH455	Advanced Systems Design	
Advanced Computer & Software Systems Option Unit		
CAB432	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

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 - 9	Semester 2		
EGB100	Engineering Sustainability and Professional Practice		
MZB126	Engineering Computation		
Year 2 - Semester 1			
EGB111	Foundation of Engineering Design		
EGB121	Engineering Mechanics		
Year 2 - 9	Year 2 - Semester 2		
CAB202	Microprocessors and Digital Systems		
EGB120	Foundations of Electrical Engineering		
Year 3 - 8	Year 3 - Semester 1		
EGB240	Electronic Design		

EGB241	Electromagnetics and Machines	
Year 3 - 8	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	
Foundation	on Unit Option	
Year 4 - S	Semester 2	
Intermedi	ate Electrical Option Unit (2)	
Intermedi	ate Electrical Option Unit (3)	
Year 5 - 8	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 - Semester 2		
EGH400 -2	Research Project 2	
Advanced	d Electrical Option Unit (3)	
Advanced	d Electrical Option Unit (4)	
Advanced	d Electrical Option Unit (5)	

Semesters

Code

- 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

Title

Semester 1 (February) commencements			
Year 1 - S	Year 1 - Semester 1		
EGB113	Energy in Engineering Systems		
MZB125	Introductory Engineering Mathematics		
MXB161	Computational Explorations		
Year 1 - S	Year 1 - Semester 2		
EGB100	Engineering Sustainability and Professional Practice		
MZB126	Engineering Computation		
Year 2 - Semester 1			
EGB111	Foundation of Engineering Design		
EGB121	Engineering Mechanics		

Year 2 - 8	Semester 2		
EGB120	Foundations of Electrical		
	Engineering		
	on Unit Option		
Year 3 - 8	Semester 1		
CAB202	Microprocessors and Digital Systems		
EGB240	Electronic Design		
Year 3 - 8	Semester 2		
EGB242	Signal Analysis		
Intermedi	ate Electrical Option Unit		
Year 4 - 9	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 - 8	Semester 1		
EGH400 -1	Research Project 1		
EGH404	Research in Engineering Practice		
EGH446	Autonomous Systems		
Advanced	Advanced Electrical Option Unit		
Year 5 - S	Year 5 - Semester 2		
EGH400	Research Project 2		
-2	•		
EGH445	Modern Control		
EGH450	Advanced Unmanned Aircraft Systems		
Advanced Electrical Option Unit			

- Semester 1 (February) commencements
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2Year 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	Semester 1	
EGB113 Energy in Engineering Systems		
MZB125 Introductory Engineering Mathematics		
OR		
MXB161	MXB161 Computational Explorations	
Year 1 - Semester 2		
EGB100	Engineering Sustainability and Professional Practice	



Daorici	or or besign (industrial be		
MZB126 Engineering Computation			
Year 2 - Semester 1			
EGB111	Foundation of Engineering Design		
EGB121	Engineering Mechanics		
Year 2 - S	Semester 2		
EGB120	Foundations of Electrical Engineering		
Foundation	on Unit Option		
Year 3 - 9	Semester 1		
EGB214	Materials and Manufacturing		
EGB314	Strength of Materials		
Year 3 - 9	Semester 2		
EGB210	Fundamentals of Mechanical Design		
EGB211	Dynamics		
Year 4 - 9	Semester 1		
EGB321	Dynamics of Machines		
EGB323	Fluid Mechanics		
Year 4 - 9	Semester 2		
EGB322	Thermodynamics		
EGH404	Research in Engineering Practice		
Year 5 - 8	Semester 1		
EGB316	Design of Machine Elements		
EGH400 -1	Research Project 1		
EGH414	Stress Analysis		
EGH421	Vibration and Control		
Year 5 - 8	Year 5 - Semester 2		
EGH400 -2	Research Project 2		
EGH420	Mechanical Systems Design		
EGH422	Advanced Thermodynamics		
EGH423	Fluids Dynamics		

S	er	ne	95	te	rs

- Semester 1 (February) commencements
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1Year 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 - 9	Semester 1	
EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	
Year 2 - 9	Semester 2	
EGB120	Foundations of Electrical Engineering	
Foundation	on Unit Option	
Year 3 - 5	Semester 1	
EGB211	Dynamics	
EGB242	Signal Analysis	
Year 3 - 8	Semester 2	
CAB202	Microprocessors and Digital Systems	
EGB345	Control and Dynamic Systems	
Year 4 - 9	Semester 1	
EGB220	Mechatronics Design 1	
EGB321	Dynamics of Machines	
Year 4 - S	Semester 2	
EGB320	Mechatronics Design 2	
Intermedi	ate Electrical Option Unit	
Year 5 - 8	Semester 1	
EGH400 -1	Research Project 1	
EGH404	Research in Engineering Practice	
EGH419	Mechatronics Design 3	
EGH446	Autonomous Systems	
Year 5 - Semester 2		
EGH400 -2	Research Project 2	
EGH413	Advanced Dynamics	
EGH445	Modern Control	
Advanced Electrical Option Unit		
Samastars		

- 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

Code	Title		
Semester	Semester 1 (February) commencements		
Year 1 - Semester 1			
EGB113	Energy in Engineering Systems		
MZB125	Introductory Engineering		

	Mathematics		
OR	OR		
MXB161			
Year 1 - 9	Semester 2		
EGB100	Engineering Sustainability and Professional Practice		
MZB126	Engineering Computation		
Year 2 - 9	Semester 1		
EGB111	Foundation of Engineering Design		
EGB121	Engineering Mechanics		
Year 2 - 9	Semester 2		
EGB120	Foundations of Electrical Engineering		
Foundation	on Unit Option		
Year 3 - 8	Semester 1		
EGB314	Strength of Materials		
LSB131	Anatomy		
Year 3 - 9	Semester 2		
EGB211	Dynamics		
LSB231	Physiology		
Year 4 - Semester 1			
EGB214	Materials and Manufacturing		
EGB323	Fluid Mechanics		
Year 4 - Semester 2			
EGB210	Fundamentals of Mechanical Design		
EGH404	Research in Engineering Practice		
Year 5 - 8	Semester 1		
EGB319	BioDesign		
EGH400 -1	Research Project 1		
EGH414	Stress Analysis		
EGH438	Biomaterials		
Year 5 - 9	Semester 2		
EGH400 -2	Research Project 2		
EGH424	Biofluids		
EGH435	Modelling and Simulation for Medical Engineers		
EGH418	Biomechanics		





Year	2020	
QUT code	ID14	
CRICOS	096569J	
Duration (full-time)	5 years	
ОР	12	
Rank	75	
Offer Guarantee	Yes	
Campus	Gardens Point, Kelvin Grove	
Domestic fee (indicative)	2020 CSP \$9,500 per year full-time (96 credit points)	
International fee (indicative)	2020: \$38,800 per year full-time (96 credit points)	
Total credit points	480	
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; phone +61 7 3138 2000; email: askqut@qut.edu.au; SEF Enquiries; email: sef.enquiry@qut.edu.au; phone: +61 7 3138 8822	
Discipline Coordinator	Dr Jen Seevinck (Interaction Design); Dr Thomas Rainey (Chemical Process), Associate Professor Jonathan Bunker (Civil), Dr Wayne Kelly (Computer and Software Systems), Dr Aaron Mcfadyen (Electrical and Aerospace), Dr Jacob Coetzee (Electrical), Dr Wim Dekkers/Professor Ted Steinberg (Mechanical), Associate Professor Luis Alvarez (Mechatronics), Associate Professor	

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)

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:

International Entry requirements Prerequisites

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

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary 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

In order to complete this course, you must complete a total of 480 credit points, made up of 192 credit points from the Bachelor of Design and 288 credit points from the Bachelor of Engineering (Honours). You will study design and engineering units in your first your years, and concentrate on engineering studies for the remainder of this course.

Creative Industries component

Your creative industries studies will include:

- a design major (144 credit points), including four shared foundation units (48 credit points) and 96 credit points from the interaction design discipline
- four school-wide impact lab units (48 credit points).

Engineering component

Your engineering studies will include:

- four core units (48 credit points) and two core options (24 credit points)
- eight engineering major units (96 credit points)
- eight honours-level units (96 credits points).

You must choose a major from:

- · chemical process engineering
- · civil engineering
- computer and software systems engineering
- electrical engineering
- electrical and aerospace engineering
- mechatronics engineering
- · mechanical engineering
- medical engineering

International Course structure

In order to complete this course, you must complete a total of 480 credit points, made up of 192 credit points from the Bachelor of Design and 288 credit points from the Bachelor of Engineering (Honours). You will study design and engineering units in your first your years and for the remainder of this course you will concentrate on engineering studies.

Creative Industries component

Your creative industries studies will include:

- a design major (144 credit points), including four shared foundation units (48 credit points) and 96 credit points from the interaction design discipline
- four school-wide impact lab units (48 credit points).

Engineering component

Your engineering studies will include:

- four core units (48 credit points) and two core options (24 credit points)
- one block of 10 major units (120 credit points)
- eight honours-level units (96 credits points).

You must choose a major from:

chemical process engineering



Devakar Epari (Medical)

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CI: +61 7 3138 2000; SEF: +61 7 3138 8822

askqut@qut.edu.au

(Interaction Design);

(Engineering)

- · civil engineering
- computer and software systems engineering
- electrical engineering
- · electrical and aerospace engineering
- · mechatronics engineering
- mechanical engineering
- · medical engineering

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
- Year 5, Semester 1
- Year 5, Semester 2
- Semester 2 (July) commencements
- Year 1, Semester 2
- 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
Jude	l luc

Semester 1 (February) commencements

Year 1, Semester 1

DYB101 Impact Lab 1: Place

Introducing Design **DYB121**

Fabrication

Engineering Unit

Engineering Unit

Year 1, Semester 2 DYB102 Impact Lab 2: People

DYB123 Emerging Design Technology

Engineering Unit

Engineering Unit

Note: DYB102 Impact Lab 2: People will be offered in semester 2 only in 2019. It will be offered in semester 1 and semester 2 from 2020.

Year 2, Semester 1

DXB110	Principles of Interaction Design
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DYB122 Design Visualisations

Engineering Unit

Engineering Unit

Year 2, Semester 2

DXB111 Web Prototyping

DYB124 Design Consequences

Engineering Unit

Engineering Unit

Year 3, Semester 1

DXB210 Critical Experience Design

DXB211 Creative Coding

Engineering Unit

Engineering Unit

Year 3, Semester 2

DXB212 | Tangible Media

DYB201 Impact Lab 3: Planet

Engineering Unit

Engineering Unit

Note: DXB212 Tangible Media will be offered in semester 1 and semester 2 in 2020. It will be offered in semester 2 only from 2021.

Note: DYB201 Impact Lab 3: Planet will be offered in semester 2 only in 2020. It will be offered in semester 1 and semester 2 from 2021.

Year 4, Semester 1

DXB310 Augmented Interactions

One unit from the Impact Lab Unit Options List (DYB301, KKB341 or KKB350):

DYB301	Impact Lab 4: Purpose
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KKB341 Work Integrated Learning 1

KKB350 Creative Industries Study Tour

Engineering Unit

Engineering Unit

Year 4, Semester 2

Advanced Interaction Design DXB311 Project

Engineering Unit

Engineering Unit

Year 5, Semester 1

Engineering Unit

Engineering Unit

Engineering Unit

Engineering Unit

Year 5, Semester 2

Engineering Unit

Engineering Unit

Engineering Unit

Engineering Unit

Semester 2 (July) commencements

Year 1, Semester 2

DYB101 Impact Lab 1: Place

DYB123 Emerging Design Technology

Engineering Unit

Engineering Unit

Course Notes

DYB121	introducing	Desigr
ובוטוט	Fabrication	

DYB122 Design Visualisations

Engineering Unit

Engineering Unit

Year 2, Semester 2

DYB124 Design Consequences

DXB111 Web Prototyping

Engineering Unit

Engineering Unit

Year 3, Semester 1

Principles of Interaction **DXB110** Design

DXB211 | Creative Coding

Engineering Unit Engineering Unit

Year 3, Semester 2

DYB102 Impact Lab 2: People

DXB212 Tangible Media

Engineering Unit

Engineering Unit

Note: DYB102 Impact Lab 2: People will be offered in semester 2 only in 2019. It will be offered in semester 1 and

Note: DXB212 Tangible Media will be offered in semester 1 and semester 2 in 2020. It will be offered in semester 2 only from 2021.

Year 4, Semester 1

semester 2 from 2020.

DXB210 Critical Experience Design

DXB310 Augmented Interactions

Engineering Unit

Engineering Unit

Year 4, Semester 2

Advanced Interaction Design DXB311 Project

Engineering Unit

Engineering 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

Engineering Unit

Engineering Unit

Note: DYB201 Impact Lab 3: Planet will be offered in semester 2 only in 2020. It will be offered in semester 1 and semester 2 from 2021.

Year 5, Semester 2

Engineering Unit

Engineering Unit

Engineering Unit

Engineering Unit

Year 6, Semester 1

Engineering Unit Engineering Unit



Engineering Unit	
Engineering 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
- Year 4 Semester 1
- Year 4 Semester 2 Year 5 Semester 1

•	<u>Year</u>	5 -	Semester	2

 Year 5 - Semester 2 		
Code Title		
	r 1 (February) commencements	
Year 1 - S	Semester 1	
EGB113	Energy in Engineering Systems	
MZB125	Introductory Engineering Mathematics	
OR		
MXB161	Computational Explorations	
Year 1 - 9	Semester 2	
EGB100	Engineering Sustainability and Professional Practice	
MZB126	Engineering Computation	
Year 2 -	Semester 1	
EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	
Year 2 - 3	Semester 2	
EGB120	Foundations of Electrical Engineering	
Foundation	on Unit Option	
Year 3 - 9	Semester 1	
EGB261	Unit Operations	
EGB323		
	Semester 2	
CVB101	General Chemistry	
EGB322	Thermodynamics	
	Semester 1	
EGB262	Process Principles	
EGB361	Minerals and Minerals Processing	
	Semester 2	
	Process Modelling	
EGH411	Industrial Chemistry	
\ /		
Year 5 - S	Semester 1	
EGB362		
	Semester 1 Operations Management and	
EGB362 EGH400	Semester 1 Operations Management and Process Economics	

Year 5 - Semester 2	
EGH400 -2	Research Project 2
EGH422	Advanced Thermodynamics
EGH423	Fluids Dynamics
EGH462	Process Control

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 		
• <u>Yea</u>	r 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	
EGB123	Civil Engineering Systems	
Foundation	on Unit Option	
Year 3 - 8	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, Semester 1		
EGB275	Structural Mechanics	
EGB371	Engineering Hydraulics	
Year 4 - Semester 2		
EGB376	Steel Design	
EGH471	Advanced Water Engineering	
Year 5 - S	Semester 1	
EGB375	Design of Concrete Structures	
EGH400 -1	Research Project 1	

EGH404	Research in Engineering Practice	
EGH473	Advanced Geotechnical Engineering	
Year 5 - 8	Semester 2	
EGH400 -2	Research Project 2	
EGH472	Advanced Highway and Pavement Engineering	
EGH475	Advanced Concrete Structures	
EGH479	Advances in Civil Engineering Practice	

- Semester 1 (February) commencements
- Year 1 Semester 1
- Year 1 Semester 2Year 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>real 5 - Semester 2</u>		
Code	Title	
Semester	1 (February) commencements	
Year 1 - 9	Semester 1	
EGB113	Energy in Engineering Systems	
MZB125	Introductory Engineering Mathematics	
OR		
MXB161	Computational Explorations	
Year 1 - 9	Semester 2	
EGB100	Engineering Sustainability and Professional Practice	
MZB126	Engineering Computation	
Year 2 - 9	Semester 1	
EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	
Year 2 - 9	Semester 2	
EGB120	Foundations of Electrical Engineering	
Foundation	on Unit Option	
Year 3 - 5	Semester 1	
CAB201	Programming Principles	
EGB242	Signal Analysis	
Year 3 - Semester 2		
CAB202	Microprocessors and Digital Systems	
Intermediate Electrical Option Unit		
Year 4 - S	Semester 1	
EGB240	Electronic Design	
CAB301	Algorithms and Complexity	
Year 4 - 9	Semester 2	



CAB403	Systems Programming	
EGH404	Research in Engineering Practice	
Year 5 - 8	Semester 1	
EGH400 -1	Research Project 1	
CAB302	Software Development	
EGH456	Embedded Systems	
Advanced Computer & Software Systems Option Unit		
Year 5 - 8	Semester 2	
EGH400 -2	Research Project 2	
EGH455	Advanced Systems Design	
Advanced Computer & Software Systems Option Unit		
	Cloud Computing	

Semesters

- Semester 1 (February) commencements
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1Year 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

Todi o Comodial 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 - 9	Semester 2			
EGB100	Engineering Sustainability and Professional Practice			
MZB126	Engineering Computation			
Year 2 - 8	Semester 1			
EGB111	Foundation of Engineering Design			
EGB121	Engineering Mechanics			
Year 2 - 8	Semester 2			
CAB202	Microprocessors and Digital Systems			
EGB120	Foundations of Electrical Engineering			
Year 3 - Semester 1				
EGB240	Electronic Design			
EGB241	Electromagnetics and Machines			
Year 3 - 8	Semester 2			
EGB242	Signal Analysis			

Intermediate 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 - Semester 1

EGB340 Design and Practice

Foundation Unit Option

Year 4 - Semester 2

Intermediate Electrical Option Unit (2)

Intermediate Electrical Option Unit (3)

Year 5 - Semester 1		
EGH400 -1	Research Project 1	
EGH404	Research in Engineering	

Advanced Electrical Option Unit (1)

Advanced Electrical Option Unit (2)

Year 5 - Semester 2

Practice

Advanced Electrical Option Unit (3)

Advanced Electrical Option Unit (4)

Advanced Electrical Option Unit (5)

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

Code	Title
Semester	1 (February) commencements
Year 1 - S	Semester 1

EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics

MXB161 Computational Explorations

Year 1 - Semester 2

EGB100	En Pr	gine ofes	erino siona	g Sus al Pra	tair ctic	ia e	bility and
1470400	_			_			

MZB126 Engineering Computation

Year 2 - Semester 1

EGB111	Found	dation _I n	of E	ngii	neering

EGB121 Engineering Mechanics

Year 2 - Semester 2

EGB120	Foundations of Electrical				
	Engineering				

Foundation Unit Option

•			
Year 3 - S	Semester 1		
CAB202	Microprocessors and Digital Systems		
EGB240	Electronic Design		
Year 3 - S	Semester 2		
EGB242	Signal Analysis		
Intermedi	ate Electrical Option Unit		
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		
EGH446	Autonomous Systems		
Advanced Electrical Option Unit			
Year 5 - S	Semester 2		
EGH400 -2	Research Project 2		
EGH445	Modern Control		
EGH450	Advanced Unmanned Aircraft Systems		
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
- 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) commencement				
	Year 1 - S	Semester 1		
	EGB113	Energy in Engineering Systems		
	MZB125	Introductory Engineering Mathematics		
	OR			
	MXB161	Computational Explorations		
	Year 1 - 9	Semester 2		
	EGB100	Engineering Sustainability and Professional Practice		
	MZB126	Engineering Computation		

Year 2 - Semester 1

Foundation of Engineering **EGB111** Design





	or or Booigir (interaction Bo		
EGB121	Engineering Mechanics		
Year 2 - 8	Semester 2		
EGB120	Foundations of Electrical Engineering		
Foundation	on Unit Option		
	Semester 1		
EGB214			
EGB314	Strength of Materials		
Year 3 - 9	Semester 2		
EGB210	Fundamentals of Mechanical Design		
EGB211	Dynamics		
Year 4 - S	Semester 1		
EGB321	Dynamics of Machines		
EGB323	Fluid Mechanics		
Year 4 - 9	Semester 2		
EGB322	Thermodynamics		
EGH404	Research in Engineering Practice		
Year 5 - 8	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	Advanced Thermodynamics		
EGH423	Fluids Dynamics		

Semesters

Code

- 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

Title

Semester 1 (February) commencements				
Year 1 - 9	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

<i>J J. – c. c.</i>		
Year 2 - 9	Semester 1	
EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	
Year 2 - S	Semester 2	
EGB120	Foundations of Electrical Engineering	
Foundation	on Unit Option	
Year 3 - 9	Semester 1	
EGB211	Dynamics	
EGB242	Signal Analysis	
Year 3 - S	Semester 2	
CAB202	Microprocessors and Digital Systems	
EGB345	Control and Dynamic Systems	
Year 4 - S	Semester 1	
EGB220	Mechatronics Design 1	
EGB321	Dynamics of Machines	
Year 4 - S	Semester 2	
EGB320	Mechatronics Design 2	
Intermedi	ate Electrical Option Unit	
Year 5 - S	Semester 1	
EGH400 -1	Research Project 1	
EGH404	Research in Engineering Practice	
EGH419	Mechatronics Design 3	
EGH446	Autonomous Systems	
Year 5 - S	Semester 2	
EGH400 -2	Research Project 2	
EGH413	Advanced Dynamics	
EGH445	Modern Control	
Advanced	d Electrical Option Unit	

- Semester 1 (February) commencements
- Year 1 Semester 1Year 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	riue		
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
Foundation	on Unit Option
Year 3 - 8	Semester 1
EGB314	Strength of Materials
LSB131	Anatomy
Year 3 - 8	Semester 2
EGB211	Dynamics
LSB231	Physiology
Year 4 - 9	Semester 1
EGB214	Materials and Manufacturing
EGB323	Fluid Mechanics
Year 4 - 9	Semester 2
EGB210	Fundamentals of Mechanical Design
EGH404	Research in Engineering Practice
Year 5 - 8	Semester 1
EGB319	BioDesign
EGH400 -1	Research Project 1
EGH414	Stress Analysis
EGH438	Biomaterials
Year 5 - 8	Semester 2
EGH400 -2	Research Project 2
EGH424	Biofluids
EGH435	Modelling and Simulation for Medical Engineers
EGH418	Biomechanics





Year	2020
QUT code	ID14
CRICOS	096569J
Duration (full-time)	5 years
ОР	12
Rank	75
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$9,500 per year full-time (96 credit points)
International fee (indicative)	2020: \$38,800 per year full-time (96 credit points)
Total credit points	480
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; phone +61 7 3138 2000; email: askqut@qut.edu.au; SEF Enquiries; email: sef.enquiry@qut.edu.au; phone: +61 7 3138 8822
Discipline Coordinator	Gregor Mews (Landscape Architecture); Dr Thomas Rainey (Chemical Process), Associate Professor Jonathan Bunker (Civil), Dr Wayne Kelly (Computer and Software Systems), Dr Aaron Mcfadyen (Electrical and Aerospace), Dr Jacob Coetzee (Electrical), Dr Wim Dekkers/Professor Ted Steinberg (Mechanical), Associate Professor Luis Alvarez (Mechatronics), Associate Professor Devakar Epari (Medical) Design: +61 7 3138 2000: SEF: +61 7 3138 822 askqut@qut.edu.au (Landscape Architecture); sef.enquiry@qut.edu.au (Engineering)

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)

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:

International Entry requirements Prerequisites

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

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary 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

In order to complete this course, you must complete a total of 480 credit points, made up of 192 credit points from the Bachelor of Design (Landscape Architecture) and 288 credit points from the Bachelor of Engineering (Honours). You will study design and engineering units in your first your years, and concentrate on engineering studies for the remainder of this course.

Design component

You will complete:

- four school-wide Impact Lab units (48 credit points)
- the landscape architecture major (144 credit points), including: our shared foundation units (48 credit points)eight units (96 credit points) from the discipline.

Engineering component

Your engineering studies will include:

- four core units (48 credit points) and two core options (24 credit points)
- eight engineering major units (96 credit points)
- eight honours-level units (96 credits points).

You must choose a major from:

- · chemical process engineering
- · civil engineering
- computer and software systems engineering
- electrical engineering
- electrical and aerospace engineering
- mechatronics engineering
- mechanical engineering
- medical engineering

Study overseas

<u>Study overseas</u> while earning credit towards your QUT creative industries 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 OUT course.

International Course structure

In order to complete this course, you must complete a total of 480 credit points, made up of 192 credit points from the Bachelor of Design (Landscape Architecture) and 288 credit points from the Bachelor of Engineering (Honours). You will study design and engineering units in your first your years, and concentrate on engineering studies for the remainder of this course.

Design component

You will complete:

- four school-wide Impact Lab units (48 credit points)
- the landscape architecture major (144 credit points), including: our shared foundation units (48 credit points)eight units (96 credit points) from the discipline.



Bachelor of Design (Landscape Ar

Engineering component

Your engineering studies will include:

- four core units (48 credit points) and two core options (24 credit points)
- one block of 10 major units (120 credit points)
- eight honours-level units (96 credits points).

You must choose a major from:

- · chemical process engineering
- · civil engineering
- · computer and software systems engineering
- · electrical engineering
- · electrical and aerospace engineering
- · mechatronics engineering
- · mechanical engineering
- medical engineering

Study overseas

Study overseas while earning credit towards your QUT creative industries 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
- Year 5, Semester 1 Year 5, 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
- Year 6, Semester 1

Code	Title	
Semester 1 (February) commencements		
Year 1, Semester 1		
DYB101	1 Impact Lab 1: Place	
DYB111	Create and Represent: Form	
Engineering Unit		
Engineering Unit		
Vear 1 Semester 2		

rct	nitecture))/Bachelor of Engineering (Но	nours)	
	DYB113	Create and Represent:		Engineer	
	DYB114	Spatial Histories			
	Engineer	•		Year 1, S	
	Engineeri	•		DYB101	Impact
	Note: Stu	dents considering studying		DYB113	Create Materia
		in Year 2 Semester 2 must 1 November.	Engineering Uni		
		emester 1		Engineer	
		Landscape Studio 1		Year 2, S	emester
		·		DYB111	Create
	DYB112	,		DYB112	Spatial
	Engineer	•		Engineer	ing Unit
	Engineer	J		Engineer	ing Unit
		emester 2		Note: Stu	
	DLB102	Landscape Studio 2		overseas	
	DYB102	Impact Lab 2: People		apply by	1 June.
	Engineer	ing Unit		Year 2, S	emester
	Engineer	ing Unit		DLB102	Landsc
	Year 3, S	emester 1		DYB114	Spatial
	DI DOGA	Landform, Technology and		Engineer	
	DLB201	Techniques		Engineer	
	DLB202	Landscape, People and Place		Year 3, S	emester
		Studio		DLB101	Landsc
	Engineer	•		DYB102	Impact
	Engineer	•		Engineer	ing Unit
	Year 3, S	emester 2		Engineer	ina Unit
	DLB204	Planting Design		Year 3, S	
	DYB201	Impact Lab 3: Planet		DLB204	Planting
	Engineer	ing Unit		DYB201	Impact
	Engineer	ing Unit			
	Year 4, S	semester 1		Engineer	
	DLB301	Landscape Ecology		Year 4, S	
		from the Impact Lab Unit ist (DYB301, KKB341 or		DLB201	Landfor
	KKB350)				Technic
	DYB301	Impact Lab 4: Purpose		DLB202	Studio
	KKB341	Work Integrated Learning 1		Engineer	ing Unit
	KKB350	Creative Industries Study Tour		Engineer	
	Engineer	•		Year 4, S	
	Engineer	J			Landsc
	Year 4, S	emester 2		DLB302	Constru
	DLB302	Landscape Materiality and Constructs		DLB303	Resilier
	DLB303	Resilient Landscapes Studio		Engineer	ing Unit
	Engineeri	·		Engineer	•
	- = nameer	IIIU UIIIL		Voor 5 S	

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			
Engineer	ing Unit			
Engineer	ing Unit			
Year 4, S	emester 2			
DLB302	Landscape Materiality and Constructs			
DLB303	Resilient Landscapes Studio			
Engineer	ing Unit			
Engineer	ing Unit			
Year 5, Semester 1				
Engineer	ing Unit			
Engineer	ing Unit			
Engineering Unit Engineering Unit Year 5, Semester 2 Engineering Unit Engineering Unit				
		Engineering Unit		

nours)			
Engineering Unit			
Semester	2 (July) commencements		
Year 1, Semester 2			
DYB101	Impact Lab 1: Place		
DYB113	Create and Represent: Materials		
Engineering Unit			
Engineering Unit			
Year 2, Semester 1			
DYB111	Create and Represent: Form		
DYB112	Spatial Materiality		
Engineering Unit			

Note: Students considering studying overseas in Year 3 Semester 1 must apply by 1 June.

	rear 2, 5	emester 2
	DLB102	Landscape Studio 2
	DYB114	Spatial Histories
Engineering Unit		
	Engineering Unit	

real o, ocinester i		
DLB101	Landscape Studio 1	
DYB102	Impact Lab 2: People	
	1.1.24	

Teal 3, Selliestel 2		
DLB204	Planting Design	
DYB201	Impact Lab 3: Planet	
Engineeri	ng Unit	

Year 4, Semester 1	
DLB201	Landform, Technology and Techniques

Landscape, People and Place **DLB202** Studio

Francisco anima I India	
DLB303	Resilient Landscapes Studio
DLB302	Landscape Materiality and Constructs
Year 4, Semester 2	

Engineering Unit Engineering Unit Year 5, Semester 1

DLB301	Landscape Ecology	
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	
Engineering Unit		
Engineering Unit		

Year 5, Semester 2



Engineering Unit
Engineering Unit
Engineering Unit
Engineering Unit
Year 6, Semester 1
Engineering Unit
Engineering Unit
Engineering Unit
Engineering 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
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1
- Year 5 Semester 2

Code	Title	
Semester	1 (February) commencements	
Year 1 - 9	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 - 9	Semester 1	
EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	
Year 2 - 8	Semester 2	
EGB120	Foundations of Electrical Engineering	
Foundation	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 - Semester 1		
Tour + C		
EGB262	Process Principles	
EGB262 EGB361	Process Principles Minerals and Minerals Processing	
EGB262 EGB361 Year 4 - 9	Process Principles Minerals and Minerals	
EGB262 EGB361	Process Principles Minerals and Minerals Processing	

Year 5 - Semester 1		
EGB362	Operations Management and Process Economics	
EGH400 -1	Research Project 1	
EGH404	Research in Engineering Practice	
EGH463	Plant and Process Design	
Year 5 - Semester 2		
EGH400 -2	Research Project 2	
EGH422	Advanced Thermodynamics	
EGH423	Fluids Dynamics	
EGH462	Process Control	

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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Code Title		
Semester 1 (February) commencements		
Year 1 - Semester 1		
EGB113	Energy in Engineering Systems	
MZB125	Introductory Engineering Mathematics	C

OR

MXB161 Computational Explorations

Year 1 - Semester 2	
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation

Year 2 - Semester 1

EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics

Year 2 - Semester 2

EGB123 | Civil Engineering Systems

Foundation Unit Option Year 3 - Semester 1

EGB270	Civil Engineering Materials
EGB272	Traffic and Transport Engineering

Year 3 - Semester 2

EGB273	Principles of Construction
EGB373	Geotechnical Engineering

Year 4, Semester 1

EGB275	Structural Mechanics
EGB371	Engineering Hydraulics

Year 4 - S	Semester 2
EGB376	Steel Design
EGH471	Advanced Water Engineering
Year 5 - 8	Semester 1
EGB375	Design of Concrete Structures
EGH400 -1	Research Project 1
EGH404	Research in Engineering Practice
EGH473	Advanced Geotechnical Engineering
Year 5 - 8	Semester 2
EGH400 -2	Research Project 2
EGH472	Advanced Highway and Pavement Engineering
EGH475	Advanced Concrete Structures
EGH479	Advances in Civil Engineering Practice

Semesters

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

	COMPOSION E
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
Foundation	on Unit Option

EGB242 Signal Analysis Year 3 - Semester 2

Year 3 - Semester 1



CAB201 Programming Principles

CAB202	Microprocessors and Digital Systems
Intermedi	ate Electrical Option Unit
Year 4 - 9	Semester 1
EGB240	Electronic Design
CAB301	Algorithms and Complexity
Year 4 - 9	Semester 2
CAB403	Systems Programming
EGH404	Research in Engineering Practice
Year 5 - S	Semester 1
EGH400 -1	Research Project 1
CAB302	Software Development
EGH456	Embedded Systems
	d Computer & Software Option Unit
Year 5 - 8	Semester 2
EGH400 -2	Research Project 2
EGH455	Advanced Systems Design
	d Computer & Software Option Unit
CAB432	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

Code	Title
Semester	1 (February) commencements
Year 1 - 9	Semester 1
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - 9	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - 8	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - S	Semester 2
CAB202	Microprocessors and Digital Systems

into otal o	Dachelor of Engineering (
EGB120	Foundations of Electrical Engineering
Year 3 - 8	Semester 1
EGB240	Electronic Design
EGB241	Electromagnetics and Machines
Year 3 - 8	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 - 9	Semester 1
EGB340	Design and Practice
Foundation	on Unit Option
Year 4 - S	Semester 2
Intermedi	ate Electrical Option Unit (2)
Intermedi	ate Electrical Option Unit (3)
Year 5 - 9	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 - S	Semester 2

EGH400

Research Project 2

Advanced Electrical Option Unit (3) Advanced Electrical Option Unit (4)

Advanced Electrical Option Unit (5)

Semesters

- Semester 1 (February) commencements
- Year 1 Semester 1
- Year 1 Semester 2Year 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	Semester 1	
EGB113	Energy in Engineering Systems	
MZB125	Introductory Engineering Mathematics	
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
Foundation	on Unit Option
Year 3 - 8	Semester 1
CAB202	Microprocessors and Digital Systems
EGB240	Electronic Design
Year 3 - 5	Semester 2
EGB242	Signal Analysis
Intermedi	ate Electrical Option Unit
Year 4 - S	Semester 1
EGB243	Aircraft Systems and Flight
EGB349	Systems Engineering and Design Project
Year 4 - 9	Semester 2
EGB345	Control and Dynamic Systems
EGB346	Unmanned Aircraft Systems
Year 5 - 8	Semester 1
EGH400 -1	Research Project 1
EGH404	Research in Engineering Practice
EGH446	Autonomous Systems
Advanced	d Electrical Option Unit
Year 5 - 8	Semester 2
EGH400 -2	Research Project 2
EGH445	Modern Control
EGH450	Advanced Unmanned Aircraft Systems
Advanced	Electrical Option Unit

- 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
- Code Title

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Semester	1 (February) commencements
Year 1 - Semester 1	
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	



Dacifici	or or Design (Landscape A
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
Foundation	on Unit Option
Year 3 - S	Semester 1
EGB214	Materials and Manufacturing
EGB314	Strength of Materials
Year 3 - 9	Semester 2
EGB210	Fundamentals of Mechanical Design
EGB211	Dynamics
Year 4 - 9	Semester 1
EGB321	Dynamics of Machines
EGB323	Fluid Mechanics
Year 4 - 9	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	Advanced Thermodynamics
EGH423	Fluids Dynamics

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

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 - 9	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - S	Semester 2
EGB120	Foundations of Electrical Engineering
	on Unit Option
Year 3 - 9	Semester 1
EGB211	Dynamics
EGB242	Signal Analysis
Year 3 - 5	Semester 2
CAB202	Microprocessors and Digital Systems
EGB345	Control and Dynamic Systems
Year 4 - S	Semester 1
EGB220	Mechatronics Design 1
EGB321	Dynamics of Machines
Year 4 - 9	Semester 2
EGB320	Mechatronics Design 2
Intermedi	ate Electrical Option Unit
Year 5 - S	Semester 1
EGH400 -1	Research Project 1
EGH404	Research in Engineering Practice
EGH419	Mechatronics Design 3
EGH446	Autonomous Systems
	Semester 2
Year 5 - 8	Jennester Z
Year 5 - 8 EGH400 -2	Research Project 2
EGH400	
EGH400 -2	Research Project 2

Semesters

- Semester 1 (February) commencements
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1Year 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

onours)	
Year 1 - 9	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 - 8	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - 8	Semester 2
EGB120	Foundations of Electrical Engineering
Foundation	on Unit Option
Year 3 - 8	Semester 1
EGB314	Strength of Materials
LSB131	Anatomy
Year 3 - 8	Semester 2
EGB211	Dynamics
LSB231	Physiology
Year 4 - 5	Semester 1
EGB214	Materials and Manufacturing
EGB323	Fluid Mechanics
Year 4 - 9	Semester 2
EGB210	Fundamentals of Mechanical Design
EGH404	Research in Engineering Practice
Year 5 - 8	Semester 1
EGB319	BioDesign
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



Bachelor of Design (Interaction Design)/Bachelor of Information Technology

Year	2020
QUT code	ID15
CRICOS	096570E
Duration (full-time)	4 years
ОР	14
Rank	70
Offer Guarantee	Yes
Campus	Gardens Point, Kelvin Grove
Domestic fee (indicative)	2020 CSP \$9,600 per year full-time (96 credit points)
International fee (indicative)	2020: \$36,100 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	Program Director, School of Design; phone +61 7 3138 2000; email: askqut@qut.edu.au; SEF Enquiry (Information Technology); 3138 8822; sef.enquiry@qut.edu.au;
Discipline Coordinator	Dr Jen Seevinck (Interaction Design); Dr Wayne Kelly (Computer Science), Dr Erwin Fielt (Information Systems) Design: +61 7 3138 2000; IT: +61 7 3138 8822 askqut@qut.edu.au (Interaction Design);

sef.enquiry@qut.edu.au

(Information Technology)

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)

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:

International Entry requirements Prerequisites

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

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

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 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

Study overseas while earning credit towards your QUT creative industries 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 OUT 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

Study overseas while earning credit



Bachelor of Design (Interaction Design)/Bachelor of Information Technology

towards your QUT creative industries 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
- 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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Code	Title	
Semester 1 (February) commencements		
Year 1, Semester 1		
DYB101	Impact Lab 1: Place	
DYB121	Introducing Design Fabrication	
IT Core L	IT Core Unit	
IT Core Unit		

Year 1, Semester 2

DYB102 Impact Lab 2: People DYB123 Emerging Design Technology

IT Core Unit

IT Core Unit

Note: Students considering studying overseas in Year 2 Semester 2 must apply by 1 November.

Year 2, Semester 1

DXB110	Principles of Interaction Design
DYB122	Design Visualisations

IT Core Unit

IT Core Unit

Year 2, Semester 2

DXB111 Web Prototyping

DYB124 Design Consequences

IT Major Unit

IT Major Unit

Year 3, Semester 1

DXB210 | Critical Experience Design

DXB211 Creative Coding

IT Major Unit

IT Major Unit

Year 3, Semester 2

DXB212 Tangible Media

DYB201 Impact Lab 3: Planet

IT Major Unit

IT Major Unit

Note: DXB212 Tangible Media will be offered in semester 1 and semester 2 in 2020. It will be offered in semester 2 only from 2021.

Note: DYB201 Impact Lab 3: Planet will be offered in semester 2 only in 2020. It will be offered in semester 1 and semester 2 from 2021.

Year 4, Semester 1

DXB310 Augmented Interactions

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

Year 4, Semester 2

Advanced Interaction Design **DXB311** Project

IT Major Unit

IT Major Unit

Semester 2 (July) commencements

Year 1, Semester 2

DYB101 Impact Lab 1: Place

DYB123 Emerging Design Technology

IT Core Unit

IT Core Unit

Year 2, Semester 1

DYB121	Introducing Design Fabrication
DYB122	Design Visualisations

IT Core Unit

IT Core Unit

Note: Students considering studying overseas in Year 3 Semester 1 must apply by 1 June.

Year 2, Semester 2

DYB124	Design Consequences
DXB111	Web Prototyping

IT Core Unit

IT Core Unit

Year 3, Semester 1

	DXB110	Principles of Interaction Design
	DXB211	Creative Coding
	IT Major Unit	

IT Major Unit

Year 3, Semester 2

DYB102 Impact Lab 2: People

DXB212 Tangible Media

IT Major Unit

IT Major Unit

Note: DXB212 Tangible Media will be offered in semester 1 and semester 2 in 2020. It will be offered in semester 2 only from 2021.

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

Note: DYB201 Impact Lab 3: Planet will be offered in semester 2 only in 2020. It will be offered in semester 1 and semester 2 from 2021.

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, Semester 1

IFB102

Introduction to Computer Systems



esign)/Bachelor of Information Technology

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 CAB300 Discrete Structures CAB300 Software Development Year 3, Semester 2 CAB301 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 CAB400 Machine Learning Semester 2 (July) commencements Year 1, Semester 2 IFB102 Introduction to Computer 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
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 CAB3002 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: CAB401 High Performance and Parallel Computing CAB402 Programming Paradigms CAB403 Systems Programming CAB400 Machine Learning Semester 2 (July) commencements Year 1, Semester 2 IFB102 Introduction to Computer 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
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 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: CAB401 High Performance and Parallel Computing CAB402 Programming Paradigms CAB403 Systems Programming CAB400 Machine Learning Semester 2 (July) commencements Year 1, Semester 2 IFB102 Introduction to Computer 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 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 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: CAB401 High Performance and Parallel Computing CAB402 Programming Paradigms CAB403 Systems Programming CAB400 Machine Learning Semester 2 (July) commencements Year 1, Semester 2 IFB102 Introduction to Computer 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
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Year 2, Semester 2 CAB201 Programming Principles CAB202 Microprocessors and Digital 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: CAB401 High Performance and Parallel Computing CAB402 Programming Paradigms CAB403 Systems Programming CAB400 Machine Learning Semester 2 (July) commencements Year 1, Semester 2 IFB102 Introduction to Computer 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
CAB201 Programming Principles CAB202 Microprocessors and Digital 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: CAB401 High Performance and Parallel Computing CAB402 Programming Paradigms CAB403 Systems Programming CAB400 Machine Learning Semester 2 (July) commencements Year 1, Semester 2 IFB102 Introduction to Computer 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
CAB202 Microprocessors and Digital 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: CAB401 High Performance and Parallel Computing CAB402 Programming Paradigms CAB403 Systems Programming CAB400 Machine Learning Semester 2 (July) commencements Year 1, Semester 2 IFB102 Introduction to Computer 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 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: CAB401 High Performance and Parallel Computing CAB402 Programming Paradigms CAB403 Systems Programming CAB400 Machine Learning Semester 2 (July) commencements Year 1, Semester 2 IFB102 Introduction to Computer 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
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: CAB401 High Performance and Parallel Computing CAB402 Programming Paradigms CAB403 Systems Programming CAB400 Machine Learning Semester 2 (July) commencements Year 1, Semester 2 IFB102 Introduction to Computer 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
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: CAB401 High Performance and Parallel Computing CAB402 Programming Paradigms CAB403 Systems Programming CAB400 Machine Learning Semester 2 (July) commencements Year 1, Semester 2 IFB102 Introduction to Computer 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 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 Semester 2 (July) commencements Year 1, Semester 2 IFB102 Introduction to Computer 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
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 Semester 2 (July) commencements Year 1, Semester 2 IFB102 Introduction to Computer 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
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 Semester 2 (July) commencements Year 1, Semester 2 IFB102 Introduction to Computer 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 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 Semester 2 (July) commencements Year 1, Semester 2 IFB102 Introduction to Computer 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
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 Semester 2 (July) commencements Year 1, Semester 2 IFB102 Introduction to Computer 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
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 Semester 2 (July) commencements Year 1, Semester 2 IFB102 Introduction to Computer 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 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 Semester 2 (July) commencements Year 1, Semester 2 IFB102 Introduction to Computer 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
IFB399 Capstone Project (Phase 2) Select one of: CAB401 High Performance and Parallel Computing CAB402 Programming Paradigms CAB403 Systems Programming CAB420 Machine Learning Semester 2 (July) commencements Year 1, Semester 2 IFB102 Introduction to Computer 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
Select one of: CAB401 High Performance and Parallel Computing CAB402 Programming Paradigms CAB403 Systems Programming CAB420 Machine Learning Semester 2 (July) commencements Year 1, Semester 2 IFB102 Introduction to Computer 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
CAB401 High Performance and Parallel Computing CAB402 Programming Paradigms CAB403 Systems Programming CAB420 Machine Learning Semester 2 (July) commencements Year 1, Semester 2 IFB102 Introduction to Computer 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
CAB401 Parallel Computing CAB402 Programming Paradigms CAB403 Systems Programming CAB420 Machine Learning Semester 2 (July) commencements Year 1, Semester 2 IFB102 Introduction to Computer 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
CAB403 Systems Programming CAB420 Machine Learning Semester 2 (July) commencements Year 1, Semester 2 IFB102 Introduction to Computer 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
CAB420 Machine Learning Semester 2 (July) commencements Year 1, Semester 2 IFB102 Introduction to Computer 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
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Year 2, Semester 1 IFB104 Building IT Systems IFB105 Database Management Year 2, Semester 2 CAB201 Programming Principles IT Core Unit Option
IFB104 Building IT Systems IFB105 Database Management Year 2, Semester 2 CAB201 Programming Principles IT Core Unit Option
IFB105 Database Management Year 2, Semester 2 CAB201 Programming Principles IT Core Unit Option
Year 2, Semester 2 CAB201 Programming Principles IT Core Unit Option
CAB201 Programming Principles IT Core Unit Option
IT Core Unit Option
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Voor 3 Somestor 1
CAB202 Microprocessors and Digital Systems
CAB301 Algorithms and Complexity
Year 3, Semester 2 CAB303 Networks
IFB295 IT Project Management
Year 4, Semester 1
CAB203 Discrete Structures
CAB302 Software Development
Year 4, Semester 2
IFB398 Capstone Project (Phase 1)
Select ONE of:

CAB403	Systems Programming
OR IT Co	re Unit Option
Year 5, S	emester 1
IFB399	Capstone Project (Phase 2)
Select ON	NE of:
CAB402	Programming Paradigms
CAB420	Machine Learning
OR IT Core Unit Option	
,	Core Unit Option here, if not previously.)

Semesters

- Semester 1 (February) commencements
- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1Year 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 2Year 5, Semester 1

IFB103 IT Systems Design

Code	Title
Semester	1 (February) commencements
Year 1, Semester 1	
IFB102	Introduction to Computer Systems

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

IAB201	Modelling Techniques for Information Systems	
IAB207	Rapid Web Application Development	
Voor 3 Samostar 1		

IAB203	Business Process Modelling
IAB204	Business Requirements Analysis

Year 3, 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		
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)		
Semeste	r 2 (July) commencements		
Year 1, S	emester 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 U	IT Core Unit 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 U	Jnit 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		





Year	2020
QUT code	ID18
CRICOS	096573B
Duration (full-time)	5 years
ОР	9
Rank	82
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$9,800 per year full-time (96 credit points)
International fee (indicative)	2020: \$34,200 per year full-time (96 credit points)
Total credit points	480
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; phone +61 7 3138 2000; email: askqut@qut.edu.au; Dr Paul Donehue (Urban Development); phone: 3138 8822; email: sef.enquiry@qut.edu.au
Discipline Coordinator	Sarah Briant (Architecture); Dr Melissa Teo (Construction Management) Design: +61 7 3138 2000; SEF: +61 7 3138 8822 askqut@qut.edu.au (Architecture); sef.enquiry@qut.edu.au (Construction

Management)

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)

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:

International Entry requirements **Prerequisites**

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

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

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 480 credit points, made up of 192 credit points from the Bachelor of Design (Architecture) and 288 credit points from the Bachelor of Urban Development (Honours) (Construction Management). You will study design and urban development units in your first four vears, and concentrate on urban development studies for the remainder of

this course.

Design component

You will complete:

- · four school-wide impact lab units (48 credit points)
- the architecture major (144 credit points), including: four shared foundation units (48 credit points)eight units (96 credit points) from the discipline
- four Architecture Specialisation units (48 credit points) - completed as part of the Urban Development component (UXB110, UXB111, UXB210 and UXB211).

Urban Development component

You will complete:

- six core units (72 credit points) including a professional practice unit that requires completion of 30 days of approved construction management work experience.
- eighteen units (216 credit points) from the construction management major.

Study overseas

Study overseas while earning credit towards your QUT creative industries 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 480 credit points, made up of 192 credit points from the Bachelor of Design (Architecture) and 288 credit points from the Bachelor of Urban Development (Honours) (Construction Management). You will study design and urban development units in your first four years, and concentrate on urban development studies for the remainder of this course.

Design component

You will complete:

- four school-wide impact lab units (48 credit points)
- the architecture major (144 credit points), including: four shared foundation units (48 credit points)eight units (96 credit points) from the discipline
- four Architecture Specialisation units (48 credit points) - completed



Bachelor of Design (Architecture)/Bachelor of Urban Development (Honours) (Cor

as part of the Urban Development component (UXB110, UXB111, UXB210 and UXB211).

Urban Development component

You will complete six core units (72 credit points) including a professional practice unit that requires completion of 30 days of approved construction management work experience, and eighteen units (216 credit points) from the construction management major.

Study overseas

Study overseas while gaining 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. For more information, visit QUT student exchange.

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
- Year 5, Semester 1
- Year 5, 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
- Year 6, Semester 1

Code	Title
Semester	1 (February) commencements
Year 1, S	emester 1
DYB101	Impact Lab 1: Place
DYB111	Create and Represent: Form
UXB100	Design-thinking for the Built Environment
UXB110	Residential Construction
Year 1, S	emester 2
DYB113	Create and Represent: Materials
DYB114	Spatial Histories
UXB111	Imagine Construction Management
UXB112	Introduction to Structures

Note: Students considering studying overseas in Year 2 Semester 2 must apply by 1 November.

Year 2, Semester 1	
DAB101	Architectural Design 1: Explorations
DYB112	Spatial Materiality
BSB113	Economics
UXB115	Introduction to Modern Construction Business
V	amandan O

	real 2, Semester 2	
	DAB102	Architectural Design 2: Spaces
	DYB102	Impact Lab 2: People
	UXB113	Measurement for Construction
	UXB114	Integrated Construction
Year 3, Semester 1		emester 1

DAB200	Modern Architecture
DAB201	Architectural Design 3: Dwelling
UXB210	Commercial Construction
UXB213	Advanced Measurement for Construction
Year 3 S	emester 2

Year 3, Semester 2	
DAB202	Architectural Design 4: Metro
DAB303	Integrated Architectural Technology
LWS012	Urban Development Law
UXB212	Design for Structures
V 40	

	Year 4, S	emester 1
	DAB301	Architectural Design 5: Commercial
	DYB201	Impact Lab 3: Planet
	UXB211	Building Services
	UXH310	High-rise Construction
	Note: DY	B201 Impact Lab 3: Planet will

be offered in semester 2 only in 2020. It will be offered in semester 1 and semester 2 from 2021.

Year 4, Semester 2		
DADOO	Architectural Design 6:	

DAB302

	from the Impact Lab Unit ist (DYB301, KKB341 or
DYB301	Impact Lab 4: Purpose
KKB341	Work Integrated Learning 1
KKB350	Creative Industries Study Tour
UXH315	Construction Estimating
UXH300	Research Methods for the Future Built Environment

Communities

Year 5, Semester 1	
USB300	Property Development
UXH311	Contract Administration
UXH400 -1	Project - Part A
UXH411	Programming and Scheduling

nstruction	Management)
Year 5. S	emester 2
UXH312	Construction Legislation
UXB301	Professional Practice
UXH400 -2	Project - Part B
UXH410	Strategic Construction Management
Semester	2 (July) commencements
Year 1, S	emester 2
DYB101	Impact Lab 1: Place
DYB113	Create and Represent: Materials
UXB111	Imagine Construction Management
UXB112	Introduction to Structures
Year 2, S	emester 1
DAB101	Architectural Design 1: Explorations
DYB111	Create and Represent: Form
UXB100	Design-thinking for the Built Environment
UXB110	Residential Construction
Note: Students considering studying overseas in Year 3 Semester 1 must apply by 1 June.	
Year 2, S	emester 2
DAB102	Architectural Design 2: Spaces
DYB114	Spatial Histories
UXB113	Measurement for Construction

DAB102	Architectural Design 2: Spaces
DYB114	Spatial Histories
UXB113	Measurement for Construction
UXB114	Integrated Construction
V0 Ot4	

Year 3, S	Year 3, Semester 1	
DAB201	Architectural Design 3: Dwelling	
DYB112	Spatial Materiality	
BSB113	Economics	
UXB115	Introduction to Modern	

DAB202	Architectural Design 4: Metro
DYB102	Impact Lab 2: People
LWS012	Urban Development Law

Year 3, Semester 2

UXB212	Design for Structures
Year 4, Semester 1	
DAB200	Modern Architecture
DAB301	Architectural Design 5: Commercial
UXB210	Commercial Construction
UXB213	Advanced Measurement for Construction
Year 4, Semester 2	
	Architectural Design 6

Tour 1, Comodici 2	
DAB302	Architectural Design 6: Communities
DAB303	Integrated Architectural Technology
UXB301	Professional Practice





Bachelor of Design (Architecture)/Bachelor of Urban Development (Honours) (Construction Management)

UXH300	Research Methods for the Future Built Environment		
Year 5, S	emester 1		
DYB201	Impact Lab 3: Planet		
	from the Impact Lab Unit .ist (DYB301, KKB341 or :		
DYB301	Impact Lab 4: Purpose		
KKB341	Work Integrated Learning 1		
KKB350	Creative Industries Study Tour		
UXB211	Building Services		
UXH310	High-rise Construction		
be offere	offered in semester 2 only in 2020. It be offered in semester 1 and nester 2 from 2021.		
will be off semester	ered in semester 1 and 2 from 2021.		
will be off semester Year 5, S	ered in semester 1 and 2 from 2021. emester 2		
will be off semester Year 5, S	erred in semester 1 and 2 from 2021. emester 2 Construction Legislation		
will be off semester Year 5, S UXH312	ered in semester 1 and 2 from 2021. emester 2		
will be off semester Year 5, S UXH312 UXH315 UXH400	cered in semester 1 and 2 from 2021. emester 2 Construction Legislation Construction Estimating		
will be off semester Year 5, S UXH312 UXH315 UXH400 -1 UXH410	cered in semester 1 and 2 from 2021. emester 2 Construction Legislation Construction Estimating Project - Part A Strategic Construction		
will be off semester Year 5, S UXH312 UXH315 UXH400 -1 UXH410	cered in semester 1 and 2 from 2021. emester 2 Construction Legislation Construction Estimating Project - Part A Strategic Construction Management		
will be off semester Year 5, S UXH312 UXH315 UXH400 -1 UXH410 Year 6, S	rered in semester 1 and 2 from 2021. emester 2 Construction Legislation Construction Estimating Project - Part A Strategic Construction Management emester 1		
will be off semester Year 5, S UXH312 UXH315 UXH400 -1 UXH410 Year 6, S USB300	cered in semester 1 and 2 from 2021. emester 2 Construction Legislation Construction Estimating Project - Part A Strategic Construction Management emester 1 Property Development		





Year	2020
QUT code	ID18
CRICOS	096573B
Duration (full-time)	5 years
OP	14
Rank	70
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$9,800 per year full-time (96 credit points)
International fee (indicative)	2020: \$34,200 per year full-time (96 credit points)
Total credit points	480
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; phone +61 7 3138 2000; email: askqut@qut.edu.au; Dr Paul Donehue (Urban Development); phone: 3138 8822; email: sef.enquiry@qut.edu.au
Discipline Coordinator	Dr Penny Wild (Interior Architecture); Professor Robin Drogemuller (Construction Management) Design +61 7 3138 2000; SEF: +61 7 3138 8822 askqut@qut.edu.au (Interior Architecture); sef enquiry@qut.edu.au

sef.enquiry@qut.edu.au

(Construction

Management)

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)

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:

International Entry requirements Prerequisites

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

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary 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

In order to complete this course, you must complete a total of 480 credit points, made up of 192 credit points from the Bachelor of Design (Interior Architecture) and 288 credit points from the Bachelor of Urban Development

(Honours)(Construction Management). You will study design and urban development units in your first four years, and concentrate on urban development studies for the remainder of this course.

Design component

You will complete:

- four school-wide impact lab units (48 credit points)
- the interior architecture major (144 credit points), including: four shared foundation units (48 credit points)eight units (96 credit points) from the discipline.

Urban development component

You will complete:

- six core units (72 credit points) including a professional practice unit that requires completion of 30 days of approved construction management work experience.
- eighteen units (216 credit points) from the construction management major.

Study overseas

Study overseas while earning credit towards your QUT creative industries 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 480 credit points, made up of 192 credit points from the Bachelor of Design (Interior Architecture) and 288 credit points from the Bachelor of Urban Development

(Honours)(Construction Management). You will study design and urban development units in your first four years, and concentrate on urban development studies for the remainder of this course.

Design component

You will complete:

- four school-wide impact lab units (48 credit points)
- the interior architecture major (144 credit points), including: four shared foundation units (48 credit points)eight units (96 credit points) from the discipline.

Urban development component

You will complete:

 six core units (72 credit points) including a professional practice unit that requires completion of 30 days



Bachelor of Design (Interior Architecture)/Bachelor of Urban Development (Honours) (Construction Management)

of approved construction management work experience.

• eighteen units (216 credit points) from the construction management major.

Study overseas

Study overseas while earning credit towards your QUT creative industries 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 2Year 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
- 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
- Year 6, Semester 1

Code	Title	
Semester 1 (February) commencements		
Year 1, Semester 1		
DYB101	Impact Lab 1: Place	
DYB111	Create and Represent: Form	
UXB100	Design-thinking for the Built Environment	
UXB110	Residential Construction	
Year 1, S	emester 2	
DYB113	Create and Represent: Materials	
DYB113 DYB114	·	
	Materials	
DYB114	Materials Spatial Histories Imagine Construction	

overseas in Year 2 Semester 2 must

apply by 1 November. Year 2, Semester 1 DTB101 Interior Studio 1

oriolor or c	(Orban Bevelepment (Fleneure)			
DYB112	Spatial Materiality			
BSB113	Economics			
UXB115	Introduction to Modern			
	Construction Business			
	emester 2			
DTB102	Interior Studio 2			
DYB102	Impact Lab 2: People			
UXB113	Measurement for Construction			
UXB114	Integrated Construction			
Year 3, S	emester 1			
DTB200	Interior Access and Assemblies			
DTB204	Interior Studio 3			
UXB210	Commercial Construction			
UND210	Advanced Measurement for			
UXB213	Construction			
Year 3, S	emester 2			
DTB205	Design Psychology			
DYB201	Impact Lab 3: Planet			
LWS012	Urban Development Law			
UXB212	Design for Structures			
Year 4, S	emester 1			
DTB304	Design in Society			
One unit	from the Impact Lab Unit			
Options L KKB350)	.ist (DYB301, KKB341 or :			
DYB301	Impact Lab 4: Purpose			
KKB341	Work Integrated Learning 1			
KKB350	Creative Industries Study Tour			
UXB211	Building Services			
UXH310	High-rise Construction			
Year 4, S	emester 2			
DTB305	Interior Studio: Integration			
DTB306	Interior Systems			
UXH315	Construction Estimating			
UXH300	Research Methods for the			
	Future Built Environment			
	emester 1			
USB300	Property Development			
UXH311	Contract Administration			
UXH400 -1	Project - Part A			
UXH411	Programming and Scheduling			
Year 5, S	emester 2			
UXH312	Construction Legislation			
UXB301	Professional Practice			
UXH400 -2	Project - Part B			
UXH410	Strategic Construction Management			
Semester	2 (July) commencements			
Year 1, S	emester 2			
DYB101	Impact Lab 1: Place			
	Create and Represent:			
DYB113	Materials			

	Imagine Construction	
UXB111	Management	
UXB112	Introduction to Structures	
Year 2, S	semester 1	
DTB101	Interior Studio 1	
DYB111	Create and Represent: Form	
UXB100	Design-thinking for the Built Environment	
UXB110	Residential Construction	
Note: Stu	idents considering studying	
	in Year 3 Semester 1 must	
Year 2, S	Semester 2	
DTB102	Interior Studio 2	
DYB114	Spatial Histories	
UXB113	Measurement for Construction	
UXB114	Integrated Construction	
Year 3, S	Semester 1	
DYB102	Impact Lab 2: People	
DYB112	Spatial Materiality	
BSB113	Economics	
UXB115	Introduction to Modern Construction Business	
Year 3, S	Semester 2	
DTB205	Design Psychology	
DYB201	Impact Lab 3: Planet	
LWS012	Urban Development Law	
UXB212	Design for Structures	
Year 4, Semester 1		
Year 4, S	Semester 1	
DTB200	Interior Access and Assemblies	
	Interior Access and	
DTB200	Interior Access and Assemblies	
DTB200 DTB204	Interior Access and Assemblies Interior Studio 3	
DTB200 DTB204 UXB210 UXB213	Interior Access and Assemblies Interior Studio 3 Commercial Construction Advanced Measurement for	
DTB200 DTB204 UXB210 UXB213	Interior Access and Assemblies Interior Studio 3 Commercial Construction Advanced Measurement for Construction	
DTB200 DTB204 UXB210 UXB213 Year 4, S	Interior Access and Assemblies Interior Studio 3 Commercial Construction Advanced Measurement for Construction emester 2	
DTB200 DTB204 UXB210 UXB213 Year 4, S DTB305	Interior Access and Assemblies Interior Studio 3 Commercial Construction Advanced Measurement for Construction Gemester 2 Interior Studio: Integration	
DTB200 DTB204 UXB210 UXB213 Year 4, S DTB305 DTB306	Interior Access and Assemblies Interior Studio 3 Commercial Construction Advanced Measurement for Construction emester 2 Interior Studio: Integration Interior Systems	
DTB200 DTB204 UXB210 UXB213 Year 4, S DTB305 DTB306 UXB301 UXH300	Interior Access and Assemblies Interior Studio 3 Commercial Construction Advanced Measurement for Construction Emester 2 Interior Studio: Integration Interior Systems Professional Practice Research Methods for the Future Built Environment	
DTB200 DTB204 UXB210 UXB213 Year 4, S DTB305 DTB306 UXB301 UXH300 Year 5, S	Interior Access and Assemblies Interior Studio 3 Commercial Construction Advanced Measurement for Construction emester 2 Interior Studio: Integration Interior Systems Professional Practice Research Methods for the Future Built Environment	
DTB200 DTB204 UXB210 UXB213 Year 4, S DTB305 DTB306 UXB301 UXH300 Year 5, S DTB304 One unit	Interior Access and Assemblies Interior Studio 3 Commercial Construction Advanced Measurement for Construction emester 2 Interior Studio: Integration Interior Systems Professional Practice Research Methods for the Future Built Environment emester 1 Design in Society from the Impact Lab Unit	
DTB200 DTB204 UXB210 UXB213 Year 4, S DTB305 DTB306 UXB301 UXH300 Year 5, S DTB304 One unit	Interior Access and Assemblies Interior Studio 3 Commercial Construction Advanced Measurement for Construction emester 2 Interior Studio: Integration Interior Systems Professional Practice Research Methods for the Future Built Environment emester 1 Design in Society from the Impact Lab Unit List (DYB301, KKB341 or	
DTB200 DTB204 UXB210 UXB213 Year 4, S DTB305 DTB306 UXB301 UXH300 Year 5, S DTB304 One unit Options L	Interior Access and Assemblies Interior Studio 3 Commercial Construction Advanced Measurement for Construction emester 2 Interior Studio: Integration Interior Systems Professional Practice Research Methods for the Future Built Environment emester 1 Design in Society from the Impact Lab Unit List (DYB301, KKB341 or	
DTB200 DTB204 UXB210 UXB213 Year 4, S DTB305 DTB306 UXB301 UXH300 Year 5, S DTB304 One unit Options L KKB350)	Interior Access and Assemblies Interior Studio 3 Commercial Construction Advanced Measurement for Construction Semester 2 Interior Studio: Integration Interior Systems Professional Practice Research Methods for the Future Built Environment Semester 1 Design in Society from the Impact Lab Unit List (DYB301, KKB341 or	
DTB200 DTB204 UXB210 UXB213 Year 4, S DTB305 DTB306 UXB301 UXH300 Year 5, S DTB304 One unit Options L KKB350) DYB301	Interior Access and Assemblies Interior Studio 3 Commercial Construction Advanced Measurement for Construction emester 2 Interior Studio: Integration Interior Systems Professional Practice Research Methods for the Future Built Environment emester 1 Design in Society from the Impact Lab Unit List (DYB301, KKB341 or Impact Lab 4: Purpose	
DTB200 DTB204 UXB210 UXB213 Year 4, S DTB305 DTB306 UXB301 UXH300 Year 5, S DTB304 One unit Options L KKB350) DYB301 KKB341	Interior Access and Assemblies Interior Studio 3 Commercial Construction Advanced Measurement for Construction emester 2 Interior Studio: Integration Interior Systems Professional Practice Research Methods for the Future Built Environment emester 1 Design in Society from the Impact Lab Unit List (DYB301, KKB341 or : Impact Lab 4: Purpose Work Integrated Learning 1	
DTB200 DTB204 UXB210 UXB213 Year 4, S DTB305 DTB306 UXB301 UXH300 Year 5, S DTB304 One unit Options L KKB350) DYB301 KKB341 KKB350	Interior Access and Assemblies Interior Studio 3 Commercial Construction Advanced Measurement for Construction emester 2 Interior Studio: Integration Interior Systems Professional Practice Research Methods for the Future Built Environment emester 1 Design in Society from the Impact Lab Unit List (DYB301, KKB341 or : Impact Lab 4: Purpose Work Integrated Learning 1 Creative Industries Study Tour	
DTB200 DTB204 UXB210 UXB213 Year 4, S DTB305 DTB306 UXB301 UXH300 Year 5, S DTB304 One unit Options L KKB350) DYB301 KKB341 KKB350 UXB211 UXH310	Interior Access and Assemblies Interior Studio 3 Commercial Construction Advanced Measurement for Construction emester 2 Interior Studio: Integration Interior Systems Professional Practice Research Methods for the Future Built Environment emester 1 Design in Society from the Impact Lab Unit List (DYB301, KKB341 or Impact Lab 4: Purpose Work Integrated Learning 1 Creative Industries Study Tour Building Services	
DTB200 DTB204 UXB210 UXB213 Year 4, S DTB305 DTB306 UXB301 UXH300 Year 5, S DTB304 One unit Options L KKB350) DYB301 KKB341 KKB350 UXB211 UXH310	Interior Access and Assemblies Interior Studio 3 Commercial Construction Advanced Measurement for Construction emester 2 Interior Studio: Integration Interior Systems Professional Practice Research Methods for the Future Built Environment emester 1 Design in Society from the Impact Lab Unit List (DYB301, KKB341 or : Impact Lab 4: Purpose Work Integrated Learning 1 Creative Industries Study Tour Building Services High-rise Construction	
DTB200 DTB204 UXB210 UXB213 Year 4, S DTB305 DTB306 UXB301 UXH300 Year 5, S DTB304 One unit Options L KKB350) DYB301 KKB341 KKB350 UXB211 UXH310 Year 5, S	Interior Access and Assemblies Interior Studio 3 Commercial Construction Advanced Measurement for Construction emester 2 Interior Studio: Integration Interior Systems Professional Practice Research Methods for the Future Built Environment emester 1 Design in Society from the Impact Lab Unit List (DYB301, KKB341 or : Impact Lab 4: Purpose Work Integrated Learning 1 Creative Industries Study Tour Building Services High-rise Construction emester 2	
DTB200 DTB204 UXB210 UXB213 Year 4, S DTB305 DTB306 UXB301 UXH300 Year 5, S DTB304 One unit Options L KKB350) DYB301 KKB341 KKB350 UXB211 UXH310 Year 5, S UXH312	Interior Access and Assemblies Interior Studio 3 Commercial Construction Advanced Measurement for Construction emester 2 Interior Studio: Integration Interior Systems Professional Practice Research Methods for the Future Built Environment emester 1 Design in Society from the Impact Lab Unit List (DYB301, KKB341 or Impact Lab 4: Purpose Work Integrated Learning 1 Creative Industries Study Tour Building Services High-rise Construction emester 2 Construction Legislation	



Bachelor of Design (Interior Architecture)/Bachelor of Urban Development (Honours) (Construction Management)

-1	
UXH410	Strategic Construction Management
Year 6, S	emester 1
USB300	Property Development
UXH311	Contract Administration
UXH400 -2	Project - Part B
UXH411	Programming and Scheduling





Year	2020
QUT code	ID18
CRICOS	096573B
Duration (full-time)	5 years
ОР	14
Rank	70
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$9,800 per year full-time (96 credit points)
International fee (indicative)	2020: \$34,200 per year full-time (96 credit points)
Total credit points	480
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; phone +61 7 3138 2000; email: askqut@qut.edu.au; Dr Paul Donehue (Urban Development); phone: 3138 8822; email: sef.enquiry@qut.edu.au
Discipline Coordinator	Gregor Mews (Landscape Architecture); Mellini Sloan (Urban and Regional Planning) Design: +61 7 3138 2000: SEF: +61 7 3138 8822 askqut@qut.edu.au (Landscape Architecture); sef.enquiry@qut.edu.au (Urban and Regional Planning)

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)

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:

International Entry requirements Prerequisites

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

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 480 credit points, made up of 192 credit points from the Bachelor of Design (Landscape Architecture) and 288 credit points from the Bachelor of Urban Development (Honours) (Urban and Regional Planning). You will study design and urban development units in your first your years, and concentrate on urban development studies for the remainder of this course.

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.

Urban development component

You will complete:

- six core units (72 credit points) including a professional practice unit that requires completion of 30 days of approved urban and regional planning work experience.
- 216 credit points from the urban and regional planning major.

Study overseas

<u>Study overseas</u> while earning credit towards your QUT creative industries 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 480 credit points, made up of 192 credit points from the Bachelor of Design (Landscape Architecture) and 288 credit points from the Bachelor of Urban Development (Honours) (Urban and Regional Planning). You will study design and urban development units in your first your years, and concentrate on urban development studies for the remainder of this course.

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.

Urban development component

You will complete:

- six core units (72 credit points) including a professional practice unit that requires completion of 30 days of approved urban and regional planning work experience.
- 216 credit points from the urban and regional planning major.

Study overseas

Study overseas while earning credit towards your QUT creative industries degree with one of our worldwide exchange partners.

Overseas study can be for one or two



Bachelor of Design (Landscape Architecture)/Bachelor of Urban Development (Honours) (Urban and Regional Planning)

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
- Year 5, Semester 1
- Year 5, 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
- Year 6, Semester 1

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Code	- 1-	Γitle		

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Vear 1	Semester 1	

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DYB101	Impact Lab 1: Place

DYB111 | Create and Represent: Form

Semester 1 (February) commencements

UXB131 Planning and Design Practice UXB132 Urban Analysis

Year 1, Semester 2

DYB113	Create and Represent:
סווסוט	Materials

DYB114 Spatial Histories

UXB133 Urban Studies UXB134 Land Use Planning

Note: Students considering studying overseas in Year 2 Semester 2 must apply by 1 November.

Year 2, Semester 1

	DLB101	Landscape Studio 1
	DYB112	Spatial Materiality
	UXB130	History of the Built Environment
	UXB100	Design-thinking for the Built Environment

Year 2, Semester 2

	DLB102	Landscape Studio 2
	DYB102	Impact Lab 2: People
	LWS012	Urban Development Law
	UXB135	Negotiation and Conflict Resolution

Year 3, Semester 1

	DLB201	Techniques
	DLB202	Landscape, People and Place Studio
	UXB233	Planning Law
	UXB231	Stakeholder Engagement

Year 3, Semester 2

DLB204	Planting Design
DYB201	Impact Lab 3: Planet
LIVDOO	Cita Diannina

UXB230 | Site Planning UXB234 Transport Planning

Year 4, Semester 1

DLB301 Landscape Ecology

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

BSB113 Economics

UXB330 Urban Design

Year 4, Semester 2

DLB302	Constructs
DLB303	Resilient Landscapes Studio
UXB301	Professional Practice
UXH300	Research Methods for the Future Built Environment

Landscape Materiality and

Year 5, Semester 1

002000	
UXH400 -1	Project - Part A
UXH430	Planning Theory and Ethics
UXH431	Urban Planning Practice

USB300 Property Development

Year 5, Semester 2

UXH400 -2	Project - Part B
UXH331	Environmental Planning
UXH432	Community Planning
UXH433	Regional Planning

Semester 2 (July) commencements

Year 1, Semester 2

DYB101	Impact Lab 1: Place
DYB113	Create and Represent: Materials
UXB133	Urban Studies
UXB134	Land Use Planning
Voor 2 Compoter 1	

Year 2, Semester 1

DYB111	Create and Represent: Form
DYB112	Spatial Materiality

UXB131 | Planning and Design Practice

UXB132 Urban Analysis

Note: Students considering studying overseas in Year 3 Semester 1 must apply by 1 June.

Year 2, Semester 2 DLB102 Landscape Studio 2

	DYB114	Spatial Histories
	LWS012	Urban Development Law
	UXB135	Negotiation and Conflict Resolution

Year 3, Semester 1

DLB101	Landscape Studio 1
DYB102	Impact Lab 2: People
UXB100	Design-thinking for the Built Environment
LIVDAGO	History of the Built

Year 3, Semester 2

UXB130

DLB204	Planting Design
DYB201	Impact Lab 3: Planet
UXB230	Site Planning
UXB234	Transport Planning

Environment

Year 4, Semester 1

Landform, Technology and Techniques

Landscape, People and Place DI B202 Studio

UXB231 Stakeholder Engagement

UXB233 Planning Law

Year 4, Semester 2

DLB302	Landscape Materiality and Constructs

DLB303 Resilient Landscapes Studio

UXB301 Professional Practice

Research Methods for the **UXH300 Future Built Environment**

Year 5, Semester 1

DLB301 Landscape Ecology 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

UXB330 Urban Design UXH400

Project - Part A -1

Year 5, Semester 2

UXH331	Environmental Planning
UXH400 -2	Project - Part B
UXH432	Community Planning
UXH433	Regional Planning

Year 6, Semester 1

BSB113	Economics
USB300	Property Development
UXH430	Planning Theory and Ethics
UXH431	Urban Planning Practice





Year	2020
QUT code	ID19
CRICOS	096574A
Duration (full-time)	5.5 years
ОР	9
Rank	82
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$9,500 per year full-time (96 credit points)
International fee (indicative)	2020: \$38,700 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	Program Director, School of Design; phone +61 7 3138 2000; email: askqut@qut.edu.au; SEF Enquiries; email: sef.enquiry@qut.edu.au; phone: +61 7 3138 8822
Discipline Coordinator	Sarah Briant (Architecture); Dr Thomas Rainey (Chemical Process), Associate Professor Jonathan Bunker (Civil), Dr Wayne Kelly (Computer and Software Systems), Dr Aaron Mcfadyen (Electrical and Aerospace), Dr Jacob Coetzee (Electrical), Dr Wim Dekkers/Professor Ted Steinberg (Mechanical), Associate Professor Luis Alvarez (Mechatronics), Associate Professor Devakar Epari (Medical) Design: +61 7 3138 2000; SEF: +61 7 3138 8822 askqut@qut.edu.au (Architecture); sef.enquiry@qut.edu.au (Engineering)

Domestic Assumed knowledge

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

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

Recommended Study: Chemistry; Maths C; Physics. We assume that you have knowledge equivalent to four semesters at high school level (Years 11 and 12) with sound achievement (4, SA).

International Entry requirements

Prerequisites

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

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

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 528 credit points, made up of 240 credit points from the Bachelor of Design (Architecture) and 288 credit points from the Bachelor of Engineering (Honours). You will study design and engineering units in your first your years and for the remainder of this course you will concentrate on engineering studies.

Design component

You will complete:

- four school-wide impact lab units (48 credit points)
- four architecture specialisation units

(48 credit points)

 and the architecture major (144 credit points), including: four shared foundation units (48 credit points)eight units (96 credit points) from the discipline.

Engineering component

Your engineering studies will include:

- four core units (48 credit points) and two core options (24 credit points)
- eight engineering major units (120 credit points)
- eight honours-level units (96 credits points).

You must choose a major from:

- chemical process engineering
- · civil engineering
- computer and software systems engineering
- electrical engineering
- electrical and aerospace engineering
- mechatronics engineering
- · mechanical engineering
- · medical engineering

Study overseas

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You will complete:

- four school-wide impact lab units (48 credit points)
- four architecture specialisation units (48 credit points)
- and the architecture major (144 credit points), including: four shared foundation units (48 credit points)eight units (96 credit points) from the discipline.



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- civil engineering
- · computer and software systems engineering
- · electrical engineering
- · electrical and aerospace engineering
- · mechatronics engineering
- · mechanical engineering
- medical engineering

Study overseas

Study overseas while earning credit towards your QUT creative industries 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
- Year 5, Semester 1 Year 5, Semester 2
- Year 6, Semester 1
- 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
- Year 6, Semester 1
- Year 6, Semester 2

Code	Title
Semester 1 (February) commencements	
Year 1, Semester 1	
DYB101	Impact Lab 1: Place
DYB111	Create and Represent: Form
Engineering Unit	

Engineering Unit

Year 1, Semester 2

Create and Represent: DYB113 Materials

DYB114 Spatial Histories

Engineering Unit

Engineering Unit

Note: Students considering studying overseas in Year 2 Semester 2 must apply by 1 November.

Year 2, Semester 1

Architectural Design 1: **Explorations**

DYB112 | Spatial Materiality

Engineering Unit

Engineering Unit

Year 2, Semester 2

Architectural Design 2: **DAB102** Spaces

Integrated Architectural **DAB303** Technology

Engineering Unit Engineering Unit

Year 3, Semester 1

DAB201	Architectural Design 3: Dwelling
DAB211	Environmental Principles of Architectural Design

Engineering Unit

Engineering Unit

Year 3, Semester 2

DAB202	Architectural Design 4: Metro
DAB212	Small Scale Building Construction

Engineering Unit

Engineering Unit

Year 4, Semester 1

DAB311	Systems and Structures
DYB102	Impact Lab 2: People

Engineering Unit

Engineering Unit

Year 4, Semester 2

DAB302	Architectural Design 6: Communities

DAB312 Building Services

Engineering Unit

Engineering Unit Year 5, Semester 1

For all and a substantial to the terms of th	
DAB301	Architectural Design 5: Commercial
DAB200	Modern Architecture

Engineering Unit

Engineering Unit

Year 5, Semester 2

Engineering Unit

Engineering Unit

Engineering Unit

Engineering Unit

Year 6, 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

Engineering Unit

Engineering Unit

Note: DYB201 Impact Lab 3: Planet will be offered in semester 2 only in 2020. It will be offered in semester 1 and semester 2 from 2021.

Semester 2 (July) commencements

Year 1, Semester 2

DYB101 Impact Lab 1: Place Create and Represent: **DYB113** Materials

Engineering Unit

Engineering Unit

Year 2, Semester 1

DYB111 | Create and Represent: Form

DYB112 | Spatial Materiality

Engineering Unit

Engineering Unit

Note: Students considering studying overseas in Year 3 Semester 1 must apply by 1 June.

Year 2, Semester 2

DYB102 Impact Lab 2: People

DYB114 Spatial Histories

Engineering Unit

Engineering Unit

Year 3, Semester 1

Architectural Design 1: **DAB101 Explorations**

DAB200 Modern Architecture

Engineering Unit

Engineering Unit

Year 3, Semester 2

Architectural Design 2: **DAB102** Spaces DYB201 Impact Lab 3: Planet

Engineering Unit

Engineering Unit

Year 4, Semester 1

Architectural Design 3: **DAB201** Dwelling

Environmental Principles of **DAB211** Architectural Design

Engineering Unit



Engineering Unit			
Year 4, S	emester 2		
DAB202	Architectural Design 4: Metro		
DAB212	Small Scale Building Construction		
Engineer	ing Unit		
Engineer	ing Unit		
Year 5, S	emester 1		
DAB301	Architectural Design 5: Commercial		
DAB311	Systems and Structures		
Engineer	ing Unit		
Engineer	ing Unit		
Year 5, S	emester 2		
DAB302	Architectural Design 6: Communities		
DAB303	Integrated Architectural Technology		
DAB312	Building Services		
	from the Impact Lab Unit .ist (DYB301, KKB341 or :		
DYB301	Impact Lab 4: Purpose		
KKB341	Work Integrated Learning 1		
KKB350	Creative Industries Study Tour		
Year 6, S	emester 1		
Engineer	ing Unit		
Engineering Unit			
Engineering Unit			
Engineering Unit			
Year 6, Semester 2			
Engineering Unit			
Samasta	are		

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
- Year 6 Semester 1
- 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
- Year 6 Semester 1

• Year 6 - Semester 2		
Code	Title	
Semester	1 (February) commencements	
	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 - 9	Semester 2	
EGB120	Foundations of Electrical Engineering	
Foundation	on Unit Option	
Year 3 - S	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 and Minerals Processing	
Year 4 - S	Semester 2	
EGB364	Process Modelling	
EGH411	Industrial Chemistry	
Year 5 - S	Semester 1	
EGB362	Operations Management and Process Economics	
EGH404	Research in Engineering Practice	
Year 5 - 5	Semester 2	
EGH400 -1	Research Project 1	
EGH422	Advanced Thermodynamics	
EGH423	Fluids Dynamics	
EGH462	Process Control	
Year 6 - 5	Semester 1	
EGH400 -2	Research Project 2	
EGH463	Plant and Process Design	
Semester	² 2 (July) commencements	
	Semester 2	
EGB100	Engineering Sustainability and	
	Professional Practice	

Year 2 - S	Semester 1
EGB111	Foundation of Engineering Design
MZB125	Introductory Engineering Mathematics
Or	
MXB161	Computational Explorations
Year 2 - 9	Semester 2
EGB120	Foundations of Electrical Engineering
MZB126	Engineering Computation
Year 3 - S	Semester 1
EGB121	Engineering Mechanics
Foundation	on Unit Option
Year 3 - S	Semester 2
CVB101	General Chemistry
EGB322	Thermodynamics
Year 4 - S	Semester 1
EGB262	Process Principles
EGB323	Fluid Mechanics
Year 4 - 9	Semester 2
EGB364	Process Modelling
EGH404	Research in Engineering Practice
Year 5 - 8	Semester 1
EGB261	Unit Operations
EGB361	Minerals and Minerals Processing
Year 5 - S	Semester 2
Other Fac	culty Unit
Year 6 - 8	Semester 1
EGB362	Operations Management and Process Economics
EGH463	Plant and Process Design
EGH408	Research Project
Year 6 - 8	Semester 2
EGH411	Industrial Chemistry
EGH422	Advanced Thermodynamics
EGH423	Fluids Dynamics
EGH462	Process Control

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
- Year 6 Semester 1



Professional Practice

PVB101 Physics of the Very Large

• 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
Year 6 - Semester 1
Year 6 - Semester 2

Code	Title
	1 (February) commencements
	Semester 1
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - 9	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 - 9	Semester 2
EGB123	Civil Engineering Systems
Foundation	on Unit Option
Year 3 - 8	Semester 1
EGB270	Civil Engineering Materials
EGB272	Traffic and Transport Engineering
Year 3 - 8	Semester 2
EGB273	Principles of Construction
EGB373	Geotechnical Engineering
	emester 1
EGB275	Structural Mechanics
EGB371	Engineering Hydraulics
	Semester 2
EGB376	J
EGH471	Advanced Water Engineering
. 00 0	Semester 1
EGB375	Design of Concrete Structures
EGH404	Research in Engineering Practice
	Semester 2
EGH400 -1	Research Project 1
EGH472	Advanced Highway and Pavement Engineering
EGH475	Advanced Concrete Structures
EGH479	Advances in Civil Engineering Practice

Practice

Year 6 - S	Semester 1
EGH473	Advanced Geotechnical
	Engineering
EGH400 -2	Research Project 2
	⁻ 2 (July) commencements
Year 1 - S	Semester 2
E00400	Engineering Sustainability an
EGB100	Professional Practice
PVB101	Physics of the Very Large
Year 2 - S	Semester 1
EGB111	Foundation of Engineering Design
MZB125	Introductory Engineering Mathematics
MXB161	Computational Explorations
Year 2 - S	Semester 2
EGB123	Civil Engineering Systems
MZB126	Engineering Computation
Year 3 - S	Semester 1
EGB121	Engineering Mechanics
	on Unit Option
	Semester 2
EGB273	
EGB373	Geotechnical Engineering
	Semester 1
EGB270	
EGBZ/U	Civil Engineering Materials Traffic and Transport
EGB272	Engineering
	Semester 2
EGB376	5
EGH472	Advanced Highway and Pavement Engineering
Year 5 - S	Semester 1
EGB275	Structural Mechanics
EGB375	Design of Concrete Structure
Year 5 - 9	Semester 2
(No Engir	neering Units)
Year 6 - 9	Semester 1
EGB371	Engineering Hydraulics
EGH404	Research in Engineering Practice
EGH400 -1	Research Project 1
EGH473	Advanced Geotechnical Engineering
Year 6 - 8	Semester 2
EGH400 -2	Research Project 2
EGH471	Advanced Water Engineering
EGH475	Advanced Concrete Structures
EGH479	Advances in Civil Engineering Practice

- Semester 1 (February) commencements
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1Year 4 Semester 2
- Year 5 Semester 1 Year 5 - Semester 2
- Year 6 Semester 1
- Semester 2 (July) commencements
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1 Year 5 Semester 2
- Year 6 Semester 1

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Code Semester	Title	
Semester		
	1 (February) commencements	
Year 1 - Semester 1		
EGB113	Energy in Engineering Systems	
MZB125	Introductory Engineering Mathematics	
OR		
MXB161	Computational Explorations	
Year 1 - 9	Semester 2	
EGB100	Engineering Sustainability and Professional Practice	
MZB126	Engineering Computation	
Year 2 - 8	Semester 1	
EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	
Year 2 - S	Semester 2	
EGB120	Foundations of Electrical Engineering	
Foundation	on Unit Option	
Year 3 - 9	Semester 1	
CAB201	Programming Principles	
EGB242	Signal Analysis	
Year 3 - 5	Semester 2	
CAB202	Microprocessors and Digital Systems	
Intermedi	ate Electrical Option Unit	
Year 4 - 8	Semester 1	
EGB240	Electronic Design	
CAB301	Algorithms and Complexity	
Year 4 - 8	Semester 2	
CAB403	Systems Programming	
EGH404	Research in Engineering Practice	



Bachel	or of Design (Architecture)/
Year 5 - 9	Semester 1
	Software Development
	d Computer & Software
	Option Unit
	Semester 2
EGH400 -1	Research Project 1
EGH455	Advanced Systems Design
CAB432	Cloud Computing
	d Computer & Software
	Option Unit
	Semester 1
EGH400 -2	Research Project 2
EGH456	Embedded Systems
Semester	2 (July) commencements
Year 1 - 9	Semester 2
EGB100	Engineering Sustainability and Professional Practice
PVB101	Physics of the Very Large
Year 2 - S	Semester 1
	Foundation of Engineering
EGB111	Design
MZB125	Introductory Engineering Mathematics
MXB161	Computational Explorations
Year 2 - 9	Semester 2
EGB120	Foundations of Electrical Engineering
MZB126	Engineering Computation
Year 3 - 9	Semester 1
EGB121	Engineering Mechanics
Foundation	on Unit Option
	Semester 2
CAB201	Programming Principles
EGB242	Signal Analysis
Year 4 - S	Semester 1
CAB202	Microprocessors and Digital Systems
EGB240	,
	Semester 2
	Systems Programming
	ate Electrical Option Unit
	Semester 1
EGH404	Research in Engineering
CAB301	Practice Algorithms and Complexity
	Semester 2
	neering Units)
	Semester 1
EGH400 -1	Research Project 1
EGH456	Embedded Systems
CAB302	Software Development
Advanced	d Computer & Software

V 0 0 1 0	
Year 6 - Semester 2	
EGH400 -2 Research Project 2	
EGH455 Advanced Systems Design	
CAB432 Cloud Computing	
Advanced Computer & Software Systems 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
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1
- Year 5 Semester 2
- Year 6 Semester 1
- 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
- Year 6 Semester 1
- Year 6 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 - Semester 1

EGB111 Foundation of Engineering Design

EGB121 Engineering Mechanics

Year 2 - Semester 2

CAB202 Microprocessors and Digital Systems

EGB120 Foundations of Electrical Engineering

Year 3 - Semester 1

EGB240 Electronic Design
EGB241 Electromagnetics and Machines

Year 3 - Semester 2

EGB242 Signal Analysis

Intermediate 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 - Semester 1

EGB340 Design and Practice

Foundation Unit Option

Year 4 - Semester 2

Intermediate Electrical Option Unit (2)

Intermediate Electrical Option Unit (3)

Year 5 - Semester 1

EGH404 Research in Engineering Practice

Advanced Electrical Option Unit (1)

Year 5 - Semester 2

EGH400 -1 Research Project 1

Advanced Electrical Option Unit (2)

Advanced Electrical Option Unit (3)

Advanced Electrical Option Unit (4)

Year 6 - Semester 1

EGH400 -2 Research Project 2

Advanced Electrical Option Unit (5)

Semester 2 (July) commencements

Year 1 - Semester 2

EGB100 Engineering Sustainability and Professional Practice

PVB101 | Physics of the Very Large

Year 2 - Semester 1

Foundation of Engineering Design

MZB125 Introductory Engineering

MZB125 Mathematics

Or

MXB161 Computational Explorations

Year 2 - Semester 2

EGB120 Foundations of Electrical Engineering

MZB126 Engineering Computation

Year 3 - Semester 1

EGB121 Engineering Mechanics

Foundation Unit Option

Year 3 - Semester 2

CAB202 Microprocessors and Digital Systems

EGB242 Signal Analysis

Year 4 - Semester 1

EGB240 Electronic Design

EGB241 Electromagnetics and Machines

Year 4 - Semester 2



Intermediate Electrical Option Unit (1)		
Intermediate Electrical Option Unit (2)		
Year 5 - Semester 1		
EGB340	Design and Practice	
Intermedi	ate Electrical Option Unit (3)	
Year 5 - 8	Year 5 - Semester 2	
(No Engir	neering Units)	
Year 6 - 8	Semester 1	
EGH400 -1	Research Project 1	
EGH404	Research in Engineering Practice	
Advanced Electrical Option Unit (1)		
Advanced Electrical Option Unit (2)		
Year 6 - Semester 2		
EGH400 -2	Research Project 2	
Advanced	d Electrical Option Unit (3)	
Advanced	d Electrical Option Unit (4)	
Advanced	Advanced Electrical Option Unit (5)	

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
- Year 6 Semester 1
- 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
- Year 6 Semester 1
- Year 6 Semester 2

Code	riue		
Semester	1 (February) commencements		
Year 1 - Semester 1			
EGB113	Energy in Engineering Systems		
MZB125	Introductory Engineering Mathematics		
MXB161	Computational Explorations		
Year 1 - 9	Year 1 - Semester 2		
EGB100	Engineering Sustainability and Professional Practice		
MZB126	Engineering Computation		
Year 2 - Semester 1			
EGB111	Foundation of Engineering		

	Design
EGB121	Engineering Mechanics
Year 2 - 9	Semester 2
EGB120	Foundations of Electrical
	Engineering
	on Unit Option
Year 3 - 8	Semester 1
CAB202	Microprocessors and Digital Systems
EGB240	Electronic Design
	Semester 2
	Signal Analysis
	ate Electrical Option Unit
Year 4 - 9	Semester 1
EGB243	Aircraft Systems and Flight
EGB349	Systems Engineering and Design Project
Year 4 - S	Semester 2
	Control and Dynamic Systems
EGB346	Unmanned Aircraft Systems
	Semester 1
	Research in Engineering
EGH404	Practice
EGH446	Autonomous Systems
Year 5 - 8	Semester 2
EGH400 -1	Research Project 1
ECLIANE	
EGH445	Modern Control
EGH4450	Advanced Unmanned Aircraft Systems
EGH450	Advanced Unmanned Aircraft Systems
EGH450 Advanced	Advanced Unmanned Aircraft
EGH450 Advanced	Advanced Unmanned Aircraft Systems d Electrical Option Unit Semester 1
EGH450 Advanced Year 6 - S EGH400 -2	Advanced Unmanned Aircraft Systems Electrical Option Unit Gemester 1 Research Project 2
EGH450 Advanced Year 6 - S EGH400 -2 Advanced	Advanced Unmanned Aircraft Systems d Electrical Option Unit Gemester 1 Research Project 2 d Electrical Option Unit
EGH450 Advancec Year 6 - S EGH400 -2 Advancec Semester	Advanced Unmanned Aircraft Systems d Electrical Option Unit Semester 1 Research Project 2 d Electrical Option Unit 2 (July) commencements
EGH450 Advancec Year 6 - S EGH400 -2 Advancec Semester	Advanced Unmanned Aircraft Systems d Electrical Option Unit Gemester 1 Research Project 2 d Electrical Option Unit
EGH450 Advancec Year 6 - S EGH400 -2 Advancec Semester	Advanced Unmanned Aircraft Systems d Electrical Option Unit Semester 1 Research Project 2 d Electrical Option Unit 2 (July) commencements
EGH450 Advanced Year 6 - S EGH400 -2 Advanced Semester Year 1 - S	Advanced Unmanned Aircraft Systems I Electrical Option Unit Gemester 1 Research Project 2 I Electrical Option Unit 2 (July) commencements Gemester 2 Engineering Sustainability and
EGH450 Advanced Year 6 - S EGH400 -2 Advanced Semester Year 1 - S EGB100 PVB101	Advanced Unmanned Aircraft Systems d Electrical Option Unit Semester 1 Research Project 2 d Electrical Option Unit 2 (July) commencements Semester 2 Engineering Sustainability and Professional Practice
EGH450 Advanced Year 6 - S EGH400 -2 Advanced Semester Year 1 - S EGB100 PVB101	Advanced Unmanned Aircraft Systems d Electrical Option Unit Gemester 1 Research Project 2 d Electrical Option Unit 2 (July) commencements Gemester 2 Engineering Sustainability and Professional Practice Physics of the Very Large Gemester 1 Foundation of Engineering
EGH450 Advanced Year 6 - S EGH400 -2 Advanced Semester Year 1 - S EGB100 PVB101 Year 2 - S	Advanced Unmanned Aircraft Systems d Electrical Option Unit Gemester 1 Research Project 2 d Electrical Option Unit 2 (July) commencements Gemester 2 Engineering Sustainability and Professional Practice Physics of the Very Large Gemester 1 Foundation of Engineering Design Introductory Engineering
EGH450 Advanced Year 6 - S EGH400 -2 Advanced Semester Year 1 - S EGB100 PVB101 Year 2 - S EGB111 MZB125	Advanced Unmanned Aircraft Systems d Electrical Option Unit Gemester 1 Research Project 2 d Electrical Option Unit 2 (July) commencements Gemester 2 Engineering Sustainability and Professional Practice Physics of the Very Large Gemester 1 Foundation of Engineering Design Introductory Engineering Mathematics
EGH450 Advanced Year 6 - S EGH400 -2 Advanced Semester Year 1 - S EGB100 PVB101 Year 2 - S EGB111 MZB125 MXB161	Advanced Unmanned Aircraft Systems I Electrical Option Unit Gemester 1 Research Project 2 I Electrical Option Unit I (2 (July) commencements Gemester 2 Engineering Sustainability and Professional Practice Physics of the Very Large Gemester 1 Foundation of Engineering Design Introductory Engineering Mathematics Computational Explorations
EGH450 Advanced Year 6 - S EGH400 -2 Advanced Semester Year 1 - S EGB100 PVB101 Year 2 - S EGB111 MZB125 MXB161	Advanced Unmanned Aircraft Systems d Electrical Option Unit Gemester 1 Research Project 2 d Electrical Option Unit 2 (July) commencements Gemester 2 Engineering Sustainability and Professional Practice Physics of the Very Large Gemester 1 Foundation of Engineering Design Introductory Engineering Mathematics Computational Explorations Gemester 2
EGH450 Advanced Year 6 - S EGH400 -2 Advanced Semester Year 1 - S EGB100 PVB101 Year 2 - S EGB111 MZB125 MXB161 Year 2 - S EGB120	Advanced Unmanned Aircraft Systems I Electrical Option Unit Gemester 1 Research Project 2 I Electrical Option Unit I (2 (July) commencements Gemester 2 Engineering Sustainability and Professional Practice Physics of the Very Large Gemester 1 Foundation of Engineering Design Introductory Engineering Mathematics Computational Explorations
EGH450 Advanced Year 6 - S EGH400 -2 Advanced Semester Year 1 - S EGB100 PVB101 Year 2 - S EGB111 MZB125 MXB161 Year 2 - S EGB120 MZB126	Advanced Unmanned Aircraft Systems I Electrical Option Unit Gemester 1 Research Project 2 I Electrical Option Unit I (2) (July) commencements Gemester 2 Engineering Sustainability and Professional Practice Physics of the Very Large Gemester 1 Foundation of Engineering Design Introductory Engineering Mathematics Computational Explorations Gemester 2 Foundations of Electrical Engineering Engineering Computation
EGH450 Advanced Year 6 - S EGH400 -2 Advanced Semester Year 1 - S EGB100 PVB101 Year 2 - S EGB111 MZB125 MXB161 Year 2 - S EGB120 MZB126	Advanced Unmanned Aircraft Systems d Electrical Option Unit Gemester 1 Research Project 2 d Electrical Option Unit 2 (July) commencements Gemester 2 Engineering Sustainability and Professional Practice Physics of the Very Large Gemester 1 Foundation of Engineering Design Introductory Engineering Mathematics Computational Explorations Gemester 2 Foundations of Electrical Engineering
EGH450 Advanced Year 6 - S EGH400 -2 Advanced Semester Year 1 - S EGB100 PVB101 Year 2 - S EGB111 MZB125 MXB161 Year 2 - S EGB120 MZB126	Advanced Unmanned Aircraft Systems I Electrical Option Unit Gemester 1 Research Project 2 I Electrical Option Unit I (2) (July) commencements Gemester 2 Engineering Sustainability and Professional Practice Physics of the Very Large Gemester 1 Foundation of Engineering Design Introductory Engineering Mathematics Computational Explorations Gemester 2 Foundations of Electrical Engineering Engineering Computation

	Systems
EGB242	Signal Analysis
Year 4 - S	Semester 1
EGB240	Electronic Design
EGB243	Aircraft Systems and Flight
Year 4 - 9	Semester 2
EGB346	Unmanned Aircraft Systems
Intermedi	ate Electrical Option Unit
Year 5 - 9	Semester 1
EGB349	Systems Engineering and Design Project
EGB345	Control and Dynamic Systems
Year 5 - 8	Semester 2
(No Engir	neering Units)
Voor 6	Companies of A
real 0 - 3	Semester 1
EGH400 -1	Research Project 1
EGH400	
EGH400 -1 EGH404	Research Project 1 Research in Engineering
EGH400 -1 EGH404 EGH446	Research Project 1 Research in Engineering Practice
EGH400 -1 EGH404 EGH446 Advanced	Research Project 1 Research in Engineering Practice Autonomous Systems
EGH400 -1 EGH404 EGH446 Advanced	Research Project 1 Research in Engineering Practice Autonomous Systems d Electrical Option Unit
EGH400 -1 EGH404 EGH446 Advanced Year 6 - S EGH400	Research Project 1 Research in Engineering Practice Autonomous Systems d Electrical Option Unit Semester 2
EGH400 -1 EGH404 EGH446 Advanced Year 6 - S EGH400 -2	Research Project 1 Research in Engineering Practice Autonomous Systems d Electrical Option Unit Gemester 2 Research Project 2
EGH400 -1 EGH404 EGH446 Advanced Year 6 - S EGH400 -2 EGH445	Research Project 1 Research in Engineering Practice Autonomous Systems d Electrical Option Unit Semester 2 Research Project 2 Modern Control Advanced Unmanned Aircraft

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
- Year 6 Semester 1
- 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
- Year 6 Semester 1
- Year 6 Semester 2

	Code	Title
Semester 1 (February) commencer		1 (February) commencements
	Year 1 - Semester 1	
	EGB113	Energy in Engineering Systems
	MZB125	Introductory Engineering



Foundation Unit Option Year 3 - Semester 2

CAB202

Microprocessors and Digital

Bacnei	or of Design (Architecture).
	Mathematics
OR	
MXB161	Computational Explorations
Year 1 - 9	Semester 2
E0D400	Engineering Sustainability and
EGB100	Professional Practice
MZB126	Engineering Computation
Year 2 - 9	Semester 1
EGB111	Foundation of Engineering
	Design
EGB121	Engineering Mechanics
Year 2 - 8	Semester 2
EGB120	Foundations of Electrical Engineering
Foundation	on Unit Option
Year 3 - 8	Semester 1
EGB214	Materials and Manufacturing
EGB314	Strength of Materials
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	
EGH404	Research in Engineering Practice
Year 5 - 9	Semester 1
EGB316	
EGH414	
	Semester 2
EGH400	
-1	Research Project 1
EGH420	Mechanical Systems Design
EGH422	Advanced Thermodynamics
EGH423	Fluids Dynamics
Year 6 - S	Semester 1
EGH400 -2	Research Project 2
EGH421	Vibration and Control
	r 2 (July) commencements
	Semester 2
EGB100	Engineering Sustainability and Professional Practice
PVB101	Physics of the Very Large
Year 2 - S	Semester 1
EGB111	Foundation of Engineering Design
MZB125	Introductory Engineering Mathematics
MXB161	Computational Explorations
Year 2 - S	Semester 2
EGB120	Foundations of Electrical

	5 5 ()
	Engineering
MZB126	Engineering Computation
Year 3 - 9	Semester 1
EGB121	Engineering Mechanics
Foundation	on Unit Option
Year 3 - 8	Semester 2
EGB211	Dynamics
EGB314	Strength of Materials
Year 4 - 9	Semester 1
EGB214	Materials and Manufacturing
EGB323	Fluid Mechanics
Year 4 - 9	Semester 2
EGB210	Fundamentals of Mechanical Design
EGB322	Thermodynamics
Year 5 - 8	Semester 1
EGB321	Dynamics of Machines
EGH404	Research in Engineering Practice
Year 5 - 9	Semester 2
(No Engir	neering Units)
Year 6 - 9	Semester 1
EGB316	Design of Machine Elements
EGH400 -1	Research Project 1
EGH414	Stress Analysis
EGH421	Vibration and Control
Year 6 - S	Semester 2
EGH400 -2	Research Project 2
_	M 1 : 10 1 D :
EGH420	Mechanical Systems Design
	Advanced Thermodynamics

- 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
- Year 6 Semester 1
- Semester 2 (July) commencements
- Year 1 Semester 2Year 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

Code	Title
	1 (February) commencements
	Semester 1
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - 9	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - 3	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - 8	Semester 2
EGB120	Foundations of Electrical Engineering
Foundation	on Unit Option
Year 3 - 9	Semester 1
EGB211	Dynamics
EGB242	Signal Analysis
Year 3 - 8	Semester 2
CAB202	Microprocessors and Digital Systems
EGB345	Control and Dynamic Systems
Year 4 - 9	Semester 1
EGB220	Mechatronics Design 1
EGB321	Dynamics of Machines
Year 4 - 9	Semester 2
EGB320	Mechatronics Design 2
Intermedi	ate Electrical Option Unit
Year 5 - 9	Semester 1
EGH404	Research in Engineering Practice
EGH446	Autonomous Systems
	Semester 2
EGH400 -1	Research Project 1
EGH413	Advanced Dynamics
EGH445	Modern Control
Advance	d Electrical Option Unit
Year 6 - 9	Semester 1
EGH400 -2	Research Project 2
EGH419	Mechatronics Design 3



Year 1 - Semester 2

Year 2 - Semester 1

EGB100

Semester 2 (July) commencements

PVB101 | Physics of the Very Large

EGB111 Foundation of Engineering

Professional Practice

Engineering Sustainability and

Bachel	or of Design (Architecture)/
	Design
MZB125	Introductory Engineering Mathematics
Or	
MXB161	Computational Explorations
Year 2 - S	Semester 2
EGB120	Foundations of Electrical
MZB126	Engineering Engineering Computation
	Semester 1
EGB121	Engineering Mechanics
	on Unit Option
	•
rear 3 - 8	Semester 2
CAB202	Microprocessors and Digital Systems
EGB242	Signal Analysis
Year 4 - 9	Semester 1
EGB211	Dynamics
EGB220	Mechatronics Design 1
Year 4 - S	Semester 2
EGB320	Mechatronics Design 2
EGB345	Control and Dynamic Systems
Year 5 - 9	Semester 1
EGB321	Dynamics of Machines
Intermedi	ate Electrical Option Unit
Year 5 - 8	Semester 2
(No Engir	neering Units)
Year 6 - 9	Semester 1
EGH400 -1	Research Project 1
EGH404	Research in Engineering Practice
EGH419	Mechatronics Design 3
EGH446	Autonomous Systems
Year 6 - S	Semester 2
EGH400 -2	Research Project 2
EGH445	Modern Control
EGH413	Advanced Dynamics
	d 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
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1
- Year 5 Semester 2Year 6 Semester 1
- 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

• <u>Year</u>	<u>r 4 - Semester 2</u>
• Year	<u>5 - Semester 1</u> 5 - Semester 2
 Year 	6 - Semester 1
• <u>Year</u>	6 - Semester 2
Code	Title
Semester	1 (February) commencements
Year 1 - S	Semester 1
EGB113	Energy in Engineering
MZB125	Systems Introductory Engineering Mathematics
OR	Maulemaucs
MXB161	Computational Explorations
	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
	on Unit Option
Year 3 - S	Semester 1
LSB131	Anatomy
EGB314	Strength of Materials
	Semester 2
LSB231	Physiology
EGB210	Fundamentals of Mechanical Design
Voor 4	Semester 1
	Materials and Manufacturing
EGB323	Fluid Mechanics
	Semester 2
EGB211	Dynamics
EGH404	Research in Engineering Practice
Year 5 - S	Semester 1
EGB319	BioDesign
EGH414	Stress Analysis
Year 5 - S	Semester 2
EGH400 -1	Research Project 1
EGH424	Biofluids
EGH435	Modelling and Simulation for Medical Engineers
EGH418	Biomechanics
Year 6 - S	Semester 1
EGH400 -2	Research Project 2
	D:

Compostor	2 (luly) common coments
	2 (July) commencements Semester 2
real 1 - 3	
EGB100	Engineering Sustainability and Professional Practice
PVB101	Physics of the Very Large
Year 2 - 8	Semester 1
EGB111	Foundation of Engineering Design
MZB125	Introductory Engineering Mathematics
MXB161	Computational Explorations
Year 2 - 9	Semester 2
EGB120	Foundations of Electrical Engineering
MZB126	Engineering Computation
Year 3 - 5	Semester 1
EGB121	Engineering Mechanics
Foundation	on Unit Option
Year 3 - 5	Semester 2
EGB211	Dynamics
LSB231	Physiology
Year 4 - 9	Semester 1
EGB323	Fluid Mechanics
LSB131	Anatomy
Year 4 - 9	Semester 2
EGB210	Fundamentals of Mechanical Design
EGB314	Strength of Materials
Year 5 - 8	Semester 1
EGB319	BioDesign
EGH414	Stress Analysis
Year 5 - 5	Semester 2
	neering Units)
Year 6 - 5	Semester 1
EGH400 -1	Research Project 1
EGB214	Materials and Manufacturing
EGH404	Research in Engineering Practice
EGH438	Biomaterials
Year 6 - 8	Semester 2
EGH400	
-2	Research Project 2
EGH418	Biomechanics
EGH424	Biofluids
EGH435	Modelling and Simulation for Medical Engineers



EGH438 Biomaterials



Year	2020
QUT code	ID20
CRICOS	096575M
Duration (full-time)	4 years
ОР	14
Rank	70
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$9,600 per year full-time (96 credit points)
International fee (indicative)	2020: \$39,100 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	Program Director, School of Design; phone +61 7 3138 2000; email: askqut@qut.edu.au; Dr Graham Johnson (Science); 3138 8822; sef.enquiry@qut.edu.au;
Discipline Coordinator	Gregor Mews (Landscape Architecture); Dr Marion Bateson (Biological Science); Aspro Tim Dargaville (Chemistry); Dr Luke Nothdurft (Earth Science); Dr Andrew Baker (Environmental Science); Aspro Jamie Trapp (Physics) (Science) Design: +61 7 3138 2000; SEF: +61 7 3138 8822 askqut@qut.edu.au (Landscape Architecture); sef.enquiry@qut.edu.au (Science)

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)

Recommended Study: At least one of biology, chemistry, earth science, geography, maths C or physics. We assume that you have knowledge equivalent to four semesters at high school level (Years 11 and 12) with sound achievement (4, SA).

International Entry requirements Prerequisites

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

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary 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

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

<u>Study overseas</u> while earning credit towards your QUT creative industries 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 creative industries 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
- 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) commencement	
Year 1, Semester 1	
DYB101	Impact Lab 1: Place
DYB111	Create and Represent: Form

Science Unit Science Unit

Year 1, Semester 2

Create and Represent: **DYB113** Materials

DYB114 Spatial Histories

Science Unit

Science Unit

Note: Students considering studying overseas in Year 2 Semester 2 must apply by 1 November.

Year 2, Semester 1

DLB101 Landscape Studio 1 DYB112 | Spatial Materiality

Science Unit

Science Unit

Year 2, Semester 2

DLB102 | Landscape Studio 2

DYB102 Impact Lab 2: People

Science Unit

Science Unit

Year 3, Semester 1

DLB201	Landform, Technology and Techniques

Landscape, People and Place **DLB202** Studio

Science Unit

Science Unit

Year 3, Semester 2

DLB204 Planting Design DYB201 Impact Lab 3: Planet

Science Unit

Science Unit

Year 4, Semester 1

DLB301 Landscape Ecology

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

Science Unit

Science Unit

Year 4, Semester 2

DLB302	Landscape Materiality and Constructs
DLB303	Resilient Landscapes Studio

Science Unit

Science Unit

Semester 2 (July) commencements

Year 1, Semester 2

DYB101 Impact Lab 1: Place Create and Represent:

DYB113 Materials

Science Unit

Science Unit

Year 2, 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.

Year 2, Semester 2

DLB102 Landscape Studio 2 DYB114 | Spatial Histories

Science Unit

Science Unit

Year 3, Semester 1

DLB101 Landscape Studio 1 DYB102 Impact Lab 2: People

Science Unit

Science Unit

Year 3, Semester 2

DLB204	Planting Design
DYB201	Impact Lab 3: Planet

Science Unit

Science Unit

Year 4, Semester 1

Landform, Technology and **DLB201** Techniques

Landscape, People and Place **DLB202** Studio

Science Unit Science Unit

Year 4, Semester 2

Landscape Materiality and **DLB302** Constructs

DLB303 Resilient Landscapes Studio

Science Unit

Science Unit

Year 5, Semester 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

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 Semester 1

SEB104 Grand Challenges in Science

Quantitative Methods in 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

BVB101 Foundations of Biology



Bachel	or of Design (Landscape A
BVB102	Evolution
Year 3 Se	emester 1
BVB202	Experimental Design and
	Quantitative Methods
BVB301	Animal Biology
	emester 2
BVB201	Biological Processes
BVB204 Year 4 Se	Ecology
BVB203	Plant Biology
DVD203	Microbiology and the
BVB305	Environment
Year 4 Se	emester 2
BVB304	Integrative Biology
BVB313	Population Genetics and
	Molecular Ecology
	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, S	emester 2
BVB101	Foundations of Biology
BVB102	Evolution
Year 3, S	emester 1
BVB202	Experimental Design and Quantitative Methods
BVB301	Animal Biology
	emester 2
BVB201	Biological Processes
BVB204	Ecology
	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 I	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 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	
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 Semester 1		
CVB301	Organic Chemistry: Strategies for Synthesis	
CVB302	Applied Physical Chemistry	
Year 4 Se	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 1 • Year 4 Semester 1 • Year 4 Semester 2 • Semester 2 (July) commencements • Year 1, Semester 2 • Year 2, Semester 1		

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

Year 2, Semester 2

Science I	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 Geoscience
Year 3 Se	emester 2
ERB203	Sedimentary Geology and Stratigraphy
ERB204	Deforming Earth: Fundamentals of Structural Geology
Year 4 Se	emester 1
ERB301	
ERB302	Applied Geophysics
	emester 2
ERB303	Energy Resources and Basin Analysis
ERB304	Dynamic Earth: Plate Tectonics
Semeste	r 2 (July) commencements
	emester 2
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 2, S	emester 1
SEB115	
SEB116	Experimental Science 2
Year 2, S	emester 2
ERB101	Earth Systems
ERB102	Evolving Earth
Year 3, S	semester 1
ERB201	Destructive Earth: Natural Hazards
ERB202	Marine Geoscience
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



Year 5, Semester 1

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 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

ERB101 Earth Systems Ecosystems and the EVB102 Environment

Year 3 Semester 1

BVB202	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	

Semester 2 (July) commencements

Year 1, Semester 2

SEB104	Grand Challenges in Science			
SEB113	Quantitative Methods in Science			

Year 2, Semester 1

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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, Semester 2			
ERB310	Groundwater Systems		
EVB304	Case Studies in Environmental Science		
Year 5, Semester 1			
rear 5, S	emester i		

PVB202	Mathematical Methods in 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

Science Major Unit Option

- 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 (Science Core Unit Option			
Year 2 Semester 1				
SEB115	Experimental Science 1			
SEB116	Experimental Science 2			
Year 2 Se	emester 2			
PVB102	Physics of the Very Small			
PVB101	Physics of the Very Large			
Year 3 Semester 1				
PVB200	Computational and Mathematical Physics			
PVB203	Experimental Physics			

Year 3 Semester 2



Year	2020
QUT code	ID22
CRICOS	099057J
Duration (full-time)	4.5 years
Duration (part-time domestic)	9 years
ОР	14
Rank	70
Offer Guarantee	Yes
Campus	Gardens Point, Kelvin Grove
Domestic fee (indicative)	2020 CSP \$9,300 per year full-time (96 credit points)
International fee (indicative)	2020: \$35,400 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.
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Prerequisites

You must have completed four semesters at high school level (Years 11 and 12) with sound achievement (4, SA) in:

- English: and
- at least one of Maths A, B or C.

Additional entry requirements

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. Details are available from the QTAC initial teacher education webpage.

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

International Entry requirements **Prerequisites**

You must have passed four semesters at Australian high school level or equivalent:

- English: and
- at least one of Maths A, B or C.

Haven't completed the prerequisite subjects?

You may be able to meet the prerequisite requirements if you've completed equivalent subjects, by completing bridging courses or the QUT Foundation program.

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 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.

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
- Year 5, Semester 1
- 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 Year 5, Semester 2

Code	Title				
Semester 1 (February) Commencement:					
Year 1, Semester 1					

Supporting Innovative EUB101 Pedagogy with Digital **Technologies**



EUB104 Stepping In IT Core Unit IT Core Unit Year 1, Semester 2 Introduction to Curriculum, Pedagogy and Assessment: **Double Degree** EUB129 requires a blue card Child and Adolescent **EUB112** Learning and Development IT Core Unit IT Core Unit Year 2, Semester 1 Professional Experience: **EUB242** Introduction to Professional Practice Designated Unit EUB242: Contains 15 days professional experience and requires a blue card Culture Studies: Indigenous EUB103 Education IT Major Unit IT Major Unit Year 2, Semester 2 Curriculum unit 1 for second teaching area from Education Discipline & Curriculum Units List Discipline unit 1 for second teaching area from Education Discipline & Curriculum Units List IT Core Unit Option **IT Major Unit** Year 3, Semester 1 Professional Experience: **EUB343** Informing Professional -1 Practice

Designated Unit EUB343: Contains 20 days professional experience and requires a blue card

Discipline unit 2 for second teaching area from Education Discipline & Curriculum Units List

EUB213

Inclusive Practices for Diverse Learners

IT Major Unit

Year 3, Semester 2

Curriculum unit 2 for second teaching area from Education Discipline & Curriculum Units List

Discipline unit 3 for second teaching area from Education Discipline & Curriculum Units List

IT Core Unit Option

IT Major Unit

Year 4, Semester 1

EUB444

Professional Experience: Transition to Professional Practice

Designated Unit EUB444: Contains 20 days professional experience and requires a blue card

Teaching in New and **EUB102** Emerging Educational Contexts

IT Major Unit

IT Major Unit (capstone)

Year 4, Semester 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 Transition to Professional Practice

Designated Unit EUB445: Contains 25 days professional experience and requires a blue card

EUB445 must be taken in your final semester of study.

Stepping Out/ Quality **EUB406** Teaching Performance Assessment

EUB406 must be taken in your final semester of study.

EUB310 Teaching EAL/D Learners

Discipline unit 4 for second teacher area from Education Discipline & Curriculum Units

Semester 2 (July) Commencement:

Year 1, Semester 2

IT Core Unit

IT Core Unit

IT Core Unit

IT Core Unit

Year 2, Semester 1

EUB101	Pedagogy with Digital Technologies
EUB102	Teaching in New and Emerging Educational Contexts
EUB103	Culture Studies: Indigenous Education
EUB104	Stepping In

Supporting Innovative

Year 2, Semester 2

Introduction to Curriculum, EUB129 | Pedagogy and Assessment: Double Degree

EUB129 requires a blue card

EUB112

Child and Adolescent Learning and Development

IT Major Unit

IT Major Unit

Year 3, Semester 1

EUB242 -1

Professional Experience: Introduction to Professional Practice

Designated Unit EUB242: Contains 15 days professional experience and requires a blue card

Inclusive Practices for Diverse **EUB213** Learners

IT Major Unit IT Major Unit

Year 3, Semester 2

Curriculum unit 1 for second teaching area from Education Discipline & Curriculum Units List - July entry

Discipline unit 1 for second teaching area from Education Discipline & Curriculum Units List - July entry

IT Major Unit

IT Major Unit

Year 4, Semester 1

EUB343 -1

Professional Experience: Informing Professional Practice

Designated Unit EUB343: Contains 20 days professional experience and requires a blue card

Discipline unit 2 for second teaching area from Education Discipline & Curriculum Units List - July entry

IT Major Unit

IT Core Unit Option

Year 4, Semester 2

Curriculum unit 2 for second teaching area from Education Discipline & Curriculum Units List - July entry

Curriculum, Pedagogy and 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

FUB444 -1

Professional Experience: Transition to 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

EUB406 must be taken in your final semester of study.

IT Major Unit

IT Major Unit (capstone)

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
- Year 5, Semester 2

Code	Title	
Semester 1 (February) commencements		
Year 1, Semester 1		
IFB102	Introduction to Computer Systems	

IT Systems Design

Year 1, Semester 2

IFB103

IFB104 Building IT Systems IFB105 Database Management

Year 2, Semester 1

CAB201 Programming Principles CAB203 Discrete Structures

Year 2, Semester 2

Microprocessors and Digital **CAB202** Systems

Core Unit Option

Year 3, Semester 1

CAB301 Algorithms and Complexity

Year 3, Semester 2

IFB295 IT Project Management

Core Unit Option

Year 4, Semester 1

CAB302 | Software Development

IFB398	Capstone Project	(Phase 1)
		(

Year 4, Semester 2

CAB303 Networks

IFB399 Capstone Project (Phase 2)

Select ONE of:

OCICCI OIVE OI.		NL OI.
	CAB401	High Performance and Parallel Computing
	CAB402	Programming Paradigms
	CAB403	Systems Programming
	CAB420	Machine Learning

Semester 2 (July) commencements

Year 1, Semester 2

IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
IFB104	Building IT Systems
IFB105	Database Management

Year 2, Semester 1

All units this semester will be Education units

Year 2, Semester 2

CAB201	Programming Principles
CAB202	Microprocessors and Digital 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

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	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 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 2Year 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

Introduction to Computer IFB102 Systems

IFB103 IT Systems Design

Year 1, Semester 2

IFB104 **Building IT Systems** IFB105 **Database Management**

Year 2, Semester 1

Modelling Techniques for IAB201 Information Systems

IAB203 **Business Process Modelling**

Year 2, Semester 2

IAB207	Rapid Web Application Development
IAB305	Information Systems Lifecycle Management

Year 3, Semester 1

Core Unit Option

Year 3, Semester 2

IAB401 Enterprise Architecture IT Project Management IFB295

Year 4, Semester 1

Business Requirements IAB204 Analysis

IFB398 Capstone Project (Phase 1)

Year 4, Semester 2

IFB399 Capstone Project (Phase 2) Core Unit Option

Modern Data Management

Select one of:

IAB206

IAB260 Social Technologies Data Analytics for Business IAB303 Insight **Business Process** IAB320 Improvement

Information Systems IAB402 Consulting Semester 2 (July) commencements

Year 1. Semester 2

IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
IFB104	Building IT Systems
IFB105	Database Management

Year 2, Semester 1



All units this semester will be Education units

Yea		

IAB201	Modelling Techniques for Information Systems	
IAB203	Business Process Modelling	

Year 3, Semester 1

IAB204	Business Requirements Analysis
IAB207	Rapid Web Application Development

Year 3, Semester 2

IAB305	Information Systems Lifecycle Management
IFB295	IT Project Management

Year 4, Semester 1

Core Unit Option Core Unit Option

Year 4, Semester 2

IAB401 Enterprise Architecture

Year 5, Semester 1

IFB398 Capstone Project (Phase 1)

IFB399 Capstone Project (Phase 2)

Year 5, Semester 2

		•	,	`		,
	Select ONE of:					
	IAB206	Modern Data	а Ма	nage	emen	t
	IAB260	Social Techi	nolo	gies		
	IADOOO	Data Analyti	cs fo	r Bu	sines	s

IAB303 Insight **Business Process IAB320** Improvement

Information Systems IAB402 Consulting

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
- Year 5, Semester 1
- 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
- Year 5, Semester 2

EUB101

Code Semester 1 (February) Commencement: Year 1, Semester 1

Supporting Innovative

Pedagogy with Digital Technologies

EUB104 Stepping In

IT Core Unit IT Core Unit

Year 1, Semester 2

Introduction to Curriculum, EUB129 | Pedagogy and Assessment: Double Degree

EUB129 requires a blue card

Child and Adolescent EUB112

Learning and Development

IT Core Unit IT Core Unit

Year 2, Semester 1

Professional Experience: **EUB242** Introduction to Professional Practice

Designated Unit EUB242: Contains 15 days professional experience and requires a blue card

Culture Studies: Indigenous EUB103 Education

IT Major Unit IT Major Unit

Year 2, Semester 2

Curriculum unit 1 for second teaching area from Education Discipline & Curriculum Units List

Discipline unit 1 for second teaching area from Education Discipline & Curriculum Units List

IT Core Unit Option

IT Major Unit

Year 3, Semester 1

EUB343	Professional Experience:
_1	Informing Professional
-1	Practice

Designated Unit EUB343: Contains 20 days professional experience and requires a blue card

Discipline unit 2 for second teaching area from Education Discipline & Curriculum Units List

Inclusive Practices for Diverse EUB213 Learners

IT Major Unit

Year 3, Semester 2

Curriculum unit 2 for second teaching area from Education Discipline & Curriculum Units List

Discipline unit 3 for second teaching area from Education Discipline & Curriculum Units List

IT Core Unit Option

IT Major Unit

Year 4, Semester 1

EUB444 Professional Experience:

Transition to Professional Practice

Designated Unit EUB444: Contains 20 days professional experience and requires a blue card

Teaching in New and EUB102 | Emerging Educational Contexts

IT Major Unit

IT Major Unit (capstone)

Year 4, Semester 2

Curriculum, Pedagogy and EUB329 Assessment: Double Degree

IT Major Unit

IT Major Unit

IT Major Unit (capstone)

Year 5, Semester 1

Professional Experience: EUB445 Transition to Professional Practice

Designated Unit EUB445: Contains 25 days professional experience and requires a blue card

EUB445 must be taken in your final semester of study.

Stepping Out/ Quality EUB406 | Teaching Performance Assessment

EUB406 must be taken in your final semester of study.

EUB310 Teaching EAL/D Learners

Discipline unit 4 for second teacher area from Education Discipline & Curriculum

Semester 2 (July) Commencement:

Year 1, Semester 2

IT Core Unit

IT Core Unit

IT Core Unit

IT Core Unit

Year 2, Semester 1

Supporting Innovative Pedagogy with Digital EUB101 Technologies

Teaching in New and EUB102 **Emerging Educational** Contexts

Culture Studies: Indigenous EUB103 Education

EUB104 Stepping In

Year 2, Semester 2

Introduction to Curriculum, EUB129 | Pedagogy and Assessment: Double Degree

EUB129 requires a blue card

Child and Adolescent Learning and Development

IT Major Unit



IT Major Unit

Year 3, Semester 1

EUB242 -1

Professional Experience: Introduction to Professional Practice

Designated Unit EUB242: Contains 15 days professional experience and requires a blue card

EUB213

Inclusive Practices for Diverse Learners

IT Major Unit

IT Major Unit

Year 3, Semester 2

Curriculum unit 1 for second teaching area from Education Discipline & Curriculum Units List - July entry

Discipline unit 1 for second teaching area from Education Discipline & Curriculum Units List - July entry

IT Major Unit

IT Major Unit

Year 4, Semester 1

EUB343

Professional Experience: Informing Professional Practice

Designated Unit EUB343: Contains 20 days professional experience and requires a blue card

Discipline unit 2 for second teaching area from Education Discipline & Curriculum Units List - July entry

IT Major Unit

IT Core Unit Option

Year 4, Semester 2

Curriculum unit 2 for second teaching area from Education Discipline & Curriculum Units List - July entry

EUB329

Curriculum, Pedagogy and 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

EUB444

Professional Experience: Transition to 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

EUB406

Stepping Out/ Quality 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

EUB406 must be taken in your final semester of study.

IT Major Unit

IT Major Unit (capstone)

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

English Second Teaching Area Discipline and Curriculum Units List

Title Code

Year 2, Semester 2: Discipline Unit 1

EUB152

Teaching Young Adult Literature

Year 2, Semester 2: Curriculum Unit 1

EUB220

Curriculum, Pedagogy and Assessment 1: English

Year 3, Semester 1: Discipline Unit 2

EUB254 Studies in Language

Year 3, Semester 2: Discipline Unit 3

EUB255

Literature in Secondary Teaching

Year 3, 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

Title Code

Year 2, Semester 2: Discipline Unit 1

EUB251 Environment and Society

Year 2. Semester 2: Curriculum Unit 1

Curriculum, Pedagogy and EUB223 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

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

Year 2, Semester 2: Discipline Unit 1

Nations and Nationalism in **EUB151** Modern Europe

Year 2, Semester 2: Curriculum Unit 1

Curriculum, Pedagogy and Assessment 1: History

Year 3, Semester 1: Discipline Unit 2

Medieval Europe and the EUB352 World

Year 3, Semester 2: Discipline Unit 3

EUB253 The Classical World

Year 3. Semester 2: Curriculum Unit 2

Curriculum, Pedagogy and **EUB322** 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 2, Semester 2: Discipline Unit 1

Thinking and Communicating **EUB153** Mathematically

Year 2, Semester 2: Curriculum Unit 1

EUB221

Curriculum, Pedagogy and Assessment 1: Mathematics

Year 3, Semester 1: Discipline Unit 2

Exploring, Representing and **EUB256** Interpreting Mathematical Change

Year 3, Semester 2: Discipline Unit 3

Reasoning with Quantity. **EUB257** Space and Shape

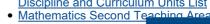
Year 3, Semester 2: Curriculum Unit 2

EUB321

Curriculum, Pedagogy and Assessment 2: Mathematics

Year 5, Semester 1: Discipline Unit 4 **EUB355** Uncertain Situations

- 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





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	
	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 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	
	ay Second Teaching Area	

	меда		
Geography Second Teaching Area			
Discipline	and Curriculum Units List		
Code	Title		
Year 3, S	semester 2: Discipline Unit 1		
EUB251	Environment and Society		
Year 3, S	semester 2: Curriculum Unit 1		
EUB223	Curriculum, Pedagogy and Assessment 1: Geography		
Year 4, S	semester 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	semester 1: Discipline Unit 4		
EUB350	Asia in Focus		

History Second Teaching Area Discipline and Curriculum Units List		
Code	Title	
Year 3, S	emester 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, Semester 1: Discipline Unit 2		
EUB352	Medieval Europe and the World	
Year 4, Semester 2: Discipline Unit 3		
EUB253	The Classical World	

Year 4, S	semester 2: Curriculum Unit 2	
EUB322	Curriculum, Pedagogy and Assessment 2: History	
Year 5, S	semester 1: Discipline Unit 4	
EUB451	Australia, Britain and America	
Mathama	itics Second Teaching Area	
	e and Curriculum Units List	
Code	Title	
Year 3, S	Semester 2: Discipline Unit 1	
EUB153	Thinking and Communicating Mathematically	
Year 3, S	semester 2: Curriculum Unit 1	
EUB221	Curriculum, Pedagogy and Assessment 1: Mathematics	
Year 4, S	Semester 1: Discipline Unit 2	
EUB256	Exploring, Representing and Interpreting Mathematical Change	
Year 4, S	semester 2: Discipline Unit 3	
EUB257	Reasoning with Quantity, Space and Shape	
Year 4, S	semester 2: Curriculum Unit 2	
EUB321	Curriculum, Pedagogy and Assessment 2: Mathematics	
Year 5, Semester 1: Discipline Unit 4		

EUB355 Uncertain Situations





Year	2020
QUT code	ID28
CRICOS	0100982
Duration (full-time)	4 years
ОР	6
Rank	89
Offer Guarantee	Yes
Campus	Gardens Point, Kelvin Grove
Domestic fee (indicative)	2020 CSP \$10,200 per year full-time (96 credit points)
International fee (indicative)	2020: \$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	+61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

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

- Biology (Units 3 & 4, C)
- 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)

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:

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary 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

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

	<u> </u>		
Code	Title		
Year 1, Semester 1			
LQB183	Human Systematic Anatomy		
LQB184	Biomedical Skills 1		
MXB102	Abstract Mathematical Reasoning		
MXB106	Linear Algebra		
Year 1, S	emester 2		
LQB286	Biomedical Skills 2		
LSB258	Principles of Human Physiology		
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 Core Options Unit			
Year 2, Semester 2			
LOBOOS	Principles of Infection and		

LQB292 **Immunity** Genes, Genomes and **LQB280** Genetics Introductory Computational MXB103 Mathematics Introduction to Statistical

Year 3, Semester 1

MXB107

Biomedical Sciences Major unit AND Biomedical Sciences Elective

Modelling



Biomedical Sciences 1st Minor unit AND Biomedical Sciences 2nd Minor unit	
Maths Major Unit	
Maths Major Unit	

Year 3, Semester 2

Biomedical Sciences Major unit AND **Biomedical Sciences Elective**

Biomedical Sciences 1st Minor unit AND Biomedical Sciences 2nd Minor unit

Maths Major Unit

Maths Major Unit

Year 4, Semester 1

Biomedical Sciences Major unit AND Biomedical Sciences Major unit

Biomedical Sciences 1st Minor unit AND Biomedical Sciences 2nd Minor unit

Maths Major Unit

Maths Major Unit

Year 4, Semester 2

Biomedical Sciences Major unit AND Biomedical Sciences Major unit

Biomedical Sciences 1st Minor unit AND Biomedical Sciences 2nd Minor unit

Maths Major Unit

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 a Major uni	nd Computational Mathematics t 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

Probability and Stochastic MXB101 Modelling 1

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

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 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

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 Semester ^{*}

MXB201	Advanced Linear Algebra
MXB232	Introduction to Operations Research
	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

- Statistical Science 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
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Statistical Science 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

MXB103	Introductory Computational Mathematics
1.1VD.407	Introduction to Statistical

MXB107 Modelling

Year 3 Semester 1

MXB201 Advanced Linear Algebra MXB242 Regression and Design

Year 3 Semester 2

MXB202 Advanced Calculus

Probability and Stochastic MXB241 Modelling 2

Year 4 Semester 1

MXB341 Statistical Inference

MXB344 Generalised Linear Models

Year 4 Semester 2

MXB343 Modelling Dependent Data

Work Integrated Learning in MXB348 Statistics

Semesters

- Core Units
- Option Units

Code Title **Course Notes**

Students undertake 72 credit points - 36 credit points core units and 36 credit points option units

Core Units

LQB382 Developmental Anatomy and



	Tissue Adaptation	
LQB482	Anatomical Imaging	
LQB670	Anatomical Dissection	
Option Units		
Choose 36 credit points from:		
LQB570	Forensic Anatomy	
LQB571	Neuroscience	
LQB671	Histological Research Techniques	
LQB502	Biomedical Work Integrated Learning A	

Semesters

Code

- Core Units
- Option Units

Title

Course Notes		
Students undertake 72 credit points - 36 credit points core units and 36 credit points from option units		
Core Units		
LQB385	Molecular Biology and Bioinformatics	
LQB485	Cell Biology	
LQB684	Advances in Medical Biotechnology	
Option Units		
Choose 36 credit points from:		
LQB583	Molecular Systems Biology	
LQB595	Cellular Engineering	
LQB601	Cancer Biology	
LQB502	Biomedical Work Integrated Learning A	

Semesters

- Core Units
- Option Units

Code	Title	
Course N	Course Notes	
Students undertake 72 credit points - 36 credit points core units and 36 credit points from option units		
Core Unit	S	
LQB381	Biochemistry	
LQB481	Biochemical Pathways and Metabolism	
LQB681	Biomolecular Research Skills	
Option Units		
Choose 36 credit points from:		
LQB581	Biomolecular Control Systems	
LQB582	Biomedical Research Technologies	
LQB682	Biomolecular Design	
LQB502	Biomedical Work Integrated Learning A	

Semesters

- Core units
- Option units

• Option units	
Code Title	
Course Notes	
Students undertake 72 credit points - 36 credit points core units and 36 credit points from option units	
Core units	
36 credits points comprising:	
LQB388	Medical Physiology 1
LQB488	Medical Physiology 2

Option units

Choose 36 credit points from:	
LQB508	Clinical Physiology and Pathophysiology
LQB571	Neuroscience
LQB600	Physiological Basis of Pharmacology
LQB502	Biomedical Work Integrated Learning A

LQB608 Extreme Physiology

Semesters

- Core units
- Option units

Code	Title
Course Notes	
credit poi	undertake 72 credit points - 36 nts core units and 36 credit m option units
Core units	

LQB362	Principles and Practice of Infectious Diseases
LQB494	Pathogen Biology and Pathogenesis
LQB694	Infectious Disease Outbreaks

Option units

Choose 36 credit points from:	
LQB583	Molecular Systems Biology
LQB594	Pathogen Diagnosis and Therapeutics
LQB693	Immunological Approaches for Infection and Immunity
LQB502	Biomedical Work Integrated Learning A

Semesters

- Core units
- Option units

Code	Title
Course N	otes
	complete 48 credit points - 24 nts core units and 24 credit tion units
Core units	s

LQB382	Developmental Anatomy and Tissue Adaptation
LQB482	Anatomical Imaging
Option ur	nits
Choose 2	4 credit points from:
LQB570	Forensic Anatomy
LQB571	Neuroscience
LQB671	Histological Research Techniques
LQB503	Biomedical Work Integrated Learning B

Semesters

- Core units
- Option units

Code Title

Couc	THIC	
Course Notes		
	complete 48 credit points - 24 nts core units and 24 credit tion units	
Core units		
	Malagulan Dialagus and	

LQB385	Molecular Biology and Bioinformatics

LQB485 | Cell Biology

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Choose 24 credit points from:	
LQB503	Biomedical Work Integrated Learning B
LQB583	Molecular Systems Biology
LQB595	Cellular Engineering
LQB601	Cancer Biology
LQB684	Advances in Medical Biotechnology

Semesters

- Core Units
- Option Units

Title

Course Notes
Students complete 48 credit points - 36 credit points core units and 12 credit points option units

Core Units	
LQB504	Clinical Physiology
-1	Professional Internship
LQB504	Clinical Physiology
-2	Professional Internship
LQB504	Clinical Physiology
-3	Professional Internship
Option Units Choose one unit from:	

Choose o		ne unit from:
	LQB362	Principles and Practice of Infectious Diseases
	LQB381	Biochemistry
	LQB382	Developmental Anatomy and Tissue Adaptation
	LQB385	Molecular Biology and



Bioinformatics

Semesters

- Core units
- Option units

Code	Title		
Course Notes			
Students complete 48 credit points - 24 credit points core units and 24 credit points option units			
Core unit	S		
LQB381	Biochemistry		
LQB481	Biochemical Pathways and Metabolism		
Option ur	Option units		
Choose 24 credit points from:			
LQB581	Biomolecular Control Systems		
LQB582	Biomedical Research Technologies		
LQB681	Biomolecular Research Skills		
LQB682	Biomolecular Design		

Biomedical Work Integrated

Semesters

Code

LQB503

• Core units

Learning B

Option units

Title

Students complete 48 credit points - 24 credit points core units and 24 credit points option units		
Core unit	s	
LQB388	Medical Physiology 1	
LQB488	Medical Physiology 2	
Option ur	nits	
24 credit	points from:	
LQB503	Biomedical Work Integrated Learning B	
LQB508	Clinical Physiology and Pathophysiology	
LQB571	Neuroscience	
LQB600	Physiological Basis of Pharmacology	
LQB608	Extreme Physiology	
Competers		

Semesters

- Core units
- Option units

Code	Title		
Course N	Course Notes		
Students complete 48 credit points - 24 credit points core units and 24 credit points option units			
Core units			
LQB362	Principles and Practice of Infectious Diseases		

LQB494	Pathogen Biology and Pathogenesis
Option units	
24 credit points from:	
LQB583	Molecular Systems Biology
LQB594	Pathogen Diagnosis and Therapeutics
LQB693	Immunological Approaches for Infection and Immunity
LQB694	Infectious Disease Outbreaks
LQB503	Biomedical Work Integrated Learning B

Code	Title	
Indigenou	Indigenous Knowledges Minor	
KKB190	Yatdjuligin - Cultural Safety in Indigenous Australian Context	
KKB191	Am I black enough? Indigenous Australian Representations	
KKB192	Smash the Act - Indigenous Australian Politics	
KKB193	Indigenous Knowledge: Research Ethics and Protocols	

Semesters

- Human Anatomical Sciences
- Cell and Molecular Biology
- Human Biochemistry
- Human Physiology
- Infectious Diseases
- General Options

Code	Title	
Human A	natomical Sciences	
LQB382	Developmental Anatomy and Tissue Adaptation	
LQB482	Anatomical Imaging	
Cell and I	Molecular Biology	
LQB385	Molecular Biology and Bioinformatics	
LQB485	Cell Biology	
Human B	iochemistry	
LQB381	Biochemistry	
LQB481	Biochemical Pathways and Metabolism	
Human P	hysiology	
LQB388	Medical Physiology 1	
LQB488	Medical Physiology 2	
Infectious	Diseases	
LQB362	Principles and Practice of Infectious Diseases	
LQB494	Pathogen Biology and Pathogenesis	
General (General Options	
LQB502	Biomedical Work Integrated Learning A	
LQB503	Biomedical Work Integrated	

Learning B

Other units may be chosen with the approval of the course coordinator





Year	2020
QUT code	IX22
CRICOS	059595C
Duration (full-time)	4 years
ОР	10
Rank	79
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$10,500 per year full-time (96 credit points)
International fee (indicative)	2020: \$33,400 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	Director of Studies, QUT Business School; email:askqut@qut.edu.au; ph: +61 7 3138 2000
Discipline Coordinator	Associate Prof Belinda Luke (Accountancy); Nicolas Pontes (Advertising); Dr Radhika Lahiri (Economics); Dr Mark Doolan (Finance); Dr Ali Muhammad (Human Resource Management); Dr Shane Mathews (International Business); Dr Kavoos Mohannak (Management); Prof Larry Neale (Marketing); and Dr Anne Lane (Public Relations) Business: +61 7 3138 2050; IT: +61 7 3138 8822 Business: bus@qut.edu.au; IT: sef.enquiry@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)

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:

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

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 accountancy 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 Coré units (96 credit points)

*Accounting major students complete six business core units and 10 accountancy 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

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

Code	Title
Year 1, Semester 1	
IT Core Unit	
IT Core Unit	
Business School Uni	it
Business School Uni	it
Year 1, Semester 2	
IT Core Unit	
IT Core Unit	
Business School Uni	it
Business School Uni	it
Year 2, Semester 1	
IT Core Unit Option	
IT Core Unit Option	
Business School Uni	it
Business School Uni	it
Year 2, Semester 2	

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

- Computer Science
- Semester 1 and Semester 2 Commencement - Computer <u>Science</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 Information Systems
- Semester 1 and Semester 2 Commencement - Information **Systems**
- 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	riue
Course Notes	
Note: Your study plan will differ depending on the Major you choose.	
Computer Science	
Semester 1 and Semester 2	
Commencement - Computer Science	
Year 1, Semester 1	
BSB110	Accounting
BSB115	Management
Year 1, Semester 2	



- 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
- 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 2Year 5, Semester 1	
Code	Title
Semester 1 (February) commencement	
Year 1, Semester 1	
BSB126	Marketing
BSB113	Economics
Year 1, Semester 2	
BSB110	Accounting

BSB115 | Management Year 2, Semester 1

AMB201	Marketing and Audience Analytics
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BSB119 Global Business

Year 2, Semester 2

AMB200 Consumer Behaviour

Advertising Theory and AMB220 Practice

Year 3, Semester 1

AMB318 Advertising Copywriting

AMB319 Media Planning

Year 3, Semester 2

AMB330 Digital Portfolio

BSB111 Business Law and Ethics

Year 4, Semester 1

AMB320 Advertising Management

Real World Ready - Business BSB399 Capstone

Year 4, Semester 2

AMB339 Advertising Campaigns

BSB123 Data Analysis

Semester 2 (July) commencement

Year 1, Semester 2

BSB126 Marketing

BSB113 Economics

Year 2, Semester 1

BSB110 Accounting

BSB115 Management

Year 2, Semester 2

BSB119 Global Business

AMB201	Marketing and Audience Analytics
	Analytics

Year 3, Semester 1

Advertising Theory and AMB220 Practice

BSB111 Business Law and Ethics

Year 3, Semester 2

AMB318 | Advertising Copywriting

AMB319 Media Planning

Year 4, Semester 1

AMB320 Advertising Management

AMB330 Digital Portfolio

Year 4, Semester 2

AMB339 Advertising Campaigns AMB200 Consumer Behaviour

Year 5, Semester 1

BSB123 Data Analysis

Real World Ready - Business BSB399 Capstone

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
- **Economics Options List**
- 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
- Economics Options List

Code Title

Semester 1 (February) commencement

Year 1, Semester 1

BSB113 Economics

BSB123 Data Analysis

Year 1, Semester 2

BSB110 Accounting

BSB111 Business Law and Ethics

Year 2, Semester 1

BSB115 Management

BSB119 Global Business

Year 2, Semester 2

BSB126 | Marketing

EFB223 Economics 2

Year 3, Semester 1

EFB330 Intermediate Macroeconomics

Intermediate Microeconomics FFB331

Year 3, Semester 2

Economics Optional Unit

Economics Optional Unit

Year 4, Semester 1

Economics Optional Unit

Economics Optional Unit

Year 4, Semester 2

Real World Ready - Business **BSB399** Capstone

Contemporary Application of EFB338 **Economic Theory**

Economics Options List

Quantitative Economics Units

Introduction to Applied EFB222 **Econometrics**

Applied Behavioural **EFB332 Economics**

EFB333 Applied Econometrics

Game Theory and **EFB337 Applications**

Applied Economics Units

EFB201 Financial Markets

EFB225 Economics for the Real World

Environmental Economics and EFB226 Policy

EFB336 International Economics

Semester 2 (July) commencement

Year 1, Semester 2

BSB113 Economics

BSB123 Data Analysis

Year 2, Semester 1

BSB110 Accounting

BSB111 Business Law and Ethics

Year 2, Semester 2

BSB115 Management

BSB119 Global Business

Year 3, Semester 1

BSB126 Marketing

EFB223 Economics 2

Year 3, Semester 2

EFB330 Intermediate Macroeconomics EFB331 Intermediate Microeconomics

Year 4, Semester 1

Contemporary Application of EFB338 **Economic Theory**

Economics Optional Unit

Year 4, Semester 2

Real World Ready - Business Capstone

Economics Optional Unit

Year 5, Semester 1

Economics Optional Unit

Economics Optional Unit

Economics Options List Quantitative Economics Units



EFB222	Introduction to Applied Econometrics	
EFB332	Applied Behavioural Economics	
EFB333	Applied Econometrics	
EFB337	Game Theory and Applications	
Applied Econnomics Units		
EFB201	Financial Markets	
EFB225	Economics for the Real World	
EFB226	Environmental Economics and Policy	
EFB336	International Economics	

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
- 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) commencement		
Year 1, Semester 1		
BSB113	Economics	

real 1, ochlester 2		
	EFB223	Economics 2

BSB115 | Management

BSB126 Marketing

Year 2, Semester 1

BSB110 Accounting

BSB111 Business Law and Ethics

Year 2, Semester 2

BSB123 Data Analysis

BSB119 Global Business

Year 3, Semester 1

EFB201 Financial Markets

EFB210 Finance 1

Year 3, Semester 2

EFB312 International Finance

EFB343 Corporate Finance

Year 4, Semester 1

Real World Ready - Business **BSB399** Capstone

EFB335 Investments

Year 4, Semester 2

EFB344	Risk Management and Derivatives
EFB360	Finance Capstone
Semester	2 (July) commencement
Year 1, S	emester 2
BSB113	Economics
BSB115	Management
Year 2, S	emester 1
EFB223	Economics 2
BSB126	Marketing
Year 2, S	emester 2
BSB110	Accounting
BSB111	Business Law and Ethics
Year 3, S	emester 1
BSB123	Data Analysis
BSB119	Global Business
Year 3, S	emester 2
EFB201	Financial Markets
EFB210	Finance 1
Year 4, S	emester 1
EFB312	International Finance
EFB343	Corporate Finance
Year 4, S	emester 2
BSB399	Real World Ready - Business Capstone
EFB335	Investments
Year 5, S	emester 1
EFB344	Risk Management and Derivatives
EFB360	Finance Capstone

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
- Semester 2 (July) 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

Code	Title	
Semester 1 (February) commencement		
Year 1, Semester 1		
BSB111	Business Law and Ethics	
BSB113	Economics	
Year 1, Semester 2		
BSB110	Accounting	
EFB210	Finance 1	

Year 2, Semester 1		
BSB123	Data Analysis	
AYB219	Taxation Law	
Year 2, S	emester 2	
BSB126	Marketing	
BSB119	Global Business	
Year 3, S	emester 1	
AYB250	Personal Financial Planning	
BSB115	Management	
Year 3, S	emester 2	
AYB232	Financial Services Regulation and Law	
AYB240	Superannuation and Retirement Planning	
Year 4, S	emester 1	
EFB227	Insurance, Risk Management and Estate Planning	
EFB345	Managing Investments and Client Relationships	
Year 4, S	emester 2	
BSB399	Real World Ready - Business Capstone	
AYB346	Financial Plan Construction (Capstone)	
Semester	2 (July) commencement	
Year 1, S	emester 1	
BSB111	Business Law and Ethics	
BSB113	Economics	
Year 1, S	emester 2	
BSB110	Accounting	
EFB210	Finance 1	
Year 2, S	emester 1	
BSB123	Data Analysis	
AYB219	Taxation Law	
	emester 2	
BSB126	Marketing	
AYB250	Personal Financial Planning	

Year 3, Semester 1

Superannuation and AYB240 Retirement Planning

BSB115 Management

Year 3, Semester 2

Insurance, Risk Management **EFB227** and Estate Planning

Global Business BSB119

Year 4, Semester 1

Financial Services Regulation AYB232 and I aw Financial Plan Construction **AYB346** (Capstone)

Year 4, Semester 2

Managing Investments and **EFB345** Client Relationships

Real World Ready - Business BSB399 Capstone



- 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
- 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) commencement

Year 1, Semester 1

BSB113 | Economics

BSB115 Management

Year 1, Semester 2

BSB123 Data Analysis

BSB126 Marketing

Year 2, Semester 1

BSB110 Accounting

BSB111 **Business Law and Ethics**

Year 2, Semester 2

MGB20 0	Managing People
MGB21 4	Introducing People Management and Analytics

Year 3, Semester 1

MGB22	Obligations and Options for
9	Employing People
MGB23	Recruiting and Selecting
0	People

Year 3, Semester 2

MGB33	Developing People
MGB33	Managing Performance and
9	Rewards

Year 4, Semester 1

MGB37	Creating Value through People
	Global Business
1000118	1 Giodai Busilless

Year 4, Semester 2

BSB399	Real World Ready - Business Capstone
Select one of the following:	
MGB30	

6	Independent Study
MGB31 0	Managing Sustainable Change
MCB33	

MGB33 Workplace Learning 8

Semester 2 (July) commencement

Year 1, Semester 2

BSB115 | Management

BSB113 Economics

Year 2, Semester 1

BSB119 Global Business

BSB126 Marketing

Year 2, Semester 2

BSB111 **Business Law and Ethics** MGB20 Managing People

Year 3, Semester 1

MGB21	Introducing People
4	Management and Analytics

BSB123 Data Analysis

Year 3, Semester 2 MGB23 Recruiting and Selecting

0	People
MGB22	Obligations and Options for
9	Employing People

Year 4, Semester 1

MGB33	Developing People
MGB33 9	Managing Performance and Rewards

Year 4, Semester 2

BSB399	Real World Ready - Business Capstone
BSB110	Accounting

Year 5, Semester 1

2	People
Choose o	ne of the following:
MGB30 6	Independent Study
MGB31 0	Managing Sustainable Change
MGB33	Workplace Learning

MGB37 Creating Value through

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
- 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

de	Title	

Semester 1 (February) commencement

Year 1, Semester 1 BSB126 Marketing

BSB119 Global Business

Year 1, Semester 2

BSB110 Accounting BSB115 Management

Year 2, Semester 1

BSB113 Economics

BSB123 Data Analysis Year 2, Semester 2

BSB111 Business Law and Ethics AYB227 International Accounting

Year 3, Semester 1

Intercultural Communication MGB22 and Negotiation Skills 5 AMB210 Importing and Exporting

Year 3, Semester 2

AMB303 International Logistics Finance for International **EFB240 Business**

Year 4, Semester 1

BSB399	Real World Ready - Business Capstone
	Capsione

AMB336 International Marketing

Year 4, Semester 2

MGB34	International Business in the
0	Asia-Pacific
ANADOCO	International Business

Strategy

AMB369

Semester 2 (July) commencement

Year 1, Semester 2

BSB119 Global Business

BSB126 Marketing

Year 2, Semester 1

BSB110 Accounting

BSB115 Management

Year 2, Semester 2

BSB113 Economics

BSB111 Business Law and Ethics

Year 3, Semester 1

AMB210 Importing and Exporting MGB22 Intercultural Communication and Negotiation Skills

Year 3, Semester 2

AMB303 International Logistics Finance for International **EFB240 Business**

Year 4, Semester 1

International Accounting AYB227 MGB34 International Business in the Asia-Pacific n

Year 4, Semester 2

AMB336 International Marketing



AMB369	International Business Strategy	
Year 5, S	Year 5, Semester 1	
BSB399	Real World Ready - Business Capstone	
BSB123	Data Analysis	

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
- 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	Semester 1 (February) commencement		
Year 1, S	Year 1, Semester 1		
BSB113	Economics		
BSB115	Management		
Year 1, S	emester 2		
BSB119	Global Business		
BSB123	Data Analysis		
	emester 1		
BSB110	Accounting		
BSB111	Business Law and Ethics		
	emester 2		
MGB20 0	Managing People		
MGB22 5	Intercultural Communication and Negotiation Skills		
Year 3, S	emester 1		
MGB22 6	Innovation, Knowledge and Creativity		
MGB22 7	Entrepreneurship		
MGB21 0	Managing Operations		
Year 3, S	emester 2		
BSB126	Marketing		
MGB33 5	Managing Projects		
MGB32 4	Managing Business Growth		
Year 4, S	emester 1		
MGB34 1	Managing Risk		
BSB399	Real World Ready - Business		

iomatioi	iornation recrinology		
	Capstone		
Year 4, S	Year 4, Semester 2		
MGB30 9	Managing Strategically		
MGB31 0	Managing Sustainable Change		
MGB33 8	Workplace Learning		
Semester 2 (July) commencement			
Year 1, Semester 2			
BSB115	Management		
BSB119	Global Business		

Year 2, Semester 1

BSB113 Economics

BSB126 Marketing

Year 2, Semester 2

BSB111 Business Law and Ethics BSB123 Data Analysis

Year 3, Semester 1

MGB20 0	Managing People
MGB22 5	Intercultural Communication and Negotiation Skills

Year 3, Semester 2

BSB110 Ad	counting
	novation, Knowledge and reativity

Year 4, Semester 1

Note: students completing a management stream must complete MGB210. Students completing an entrepreneurship stream must complete MGB227.

MGB21 0	Managing Operations
OR	
MGB22 7	Entrepreneurship
MGB34 1	Managing Risk

Year 4, Semester 2

Note: students completing a management stream must complete MGB335. Students completing an entrepreneurship stream must complete MGB324.

MGB33	Managing Projects
OR	
MGB32 4	Managing Business Growth
MGB30 9	Managing Strategically
Year 5, Semester 1	

BSB399	Real World Ready - Business Capstone
MGB31	Managing Sustainable
0	Change

OR	
MGB33 8	Workplace Learning

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
- 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) commencement	
Year 1, S	emester 1	
BSB126	Marketing	
BSB113	Economics	
Year 1, S	emester 2	
BSB111	Business Law and Ethics	
BSB115	Management	
Year 2, S	emester 1	
BSB119	Global Business	
AMB201	Marketing and Audience Analytics	
Year 2, S	emester 2	
BSB110	Accounting	
BSB123	Data Analysis	
Year 3, S	emester 1	
AMB202	Integrated Marketing Communication	
AMB240	Marketing Planning and Management	
Year 3, S	emester 2	
AMB330	Digital Portfolio	
AMB340	Services Marketing	
Year 4, S	emester 1	
AMB200	Consumer Behaviour	
AMB336	International Marketing	
Year 4, Semester 2		
BSB399	Real World Ready - Business Capstone	
AMB359	Strategic Marketing	
Semester	2 (July) commencement	
Year 1, S	emester 2	
BSB113	Economics	
BSB126	Marketing	



Year 2, Semester 1



BSB111	Business Law and Ethics
BSB115	Management
Year 2, S	emester 2
BSB119	Global Business
BSB123	Data Analysis
Year 3, S	emester 1
BSB110	Accounting
AMB201	Marketing and Audience Analytics
Year 3, S	emester 2
AMB202	Integrated Marketing Communication
AMB240	Marketing Planning and Management
Year 4, S	emester 1
AMB330	Digital Portfolio
AMB340	Services Marketing
Year 4, S	emester 2
AMB200	Consumer Behaviour
AMB336	International Marketing
Year 5, Semester 1	
BSB399	Real World Ready - Business Capstone
AMB359	Strategic Marketing

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
- 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

Code	Title		
Semester 1 (February) commencement			
Year 1, S	Year 1, Semester 1		
BSB119	Global Business		
BSB126	Marketing		
Year 1, Semester 2			
BSB110	Accounting		
BSB115	Management		
Year 2, Semester 1			
AMB201	Marketing and Audience Analytics		
BSB113	Economics		
Year 2, Semester 2			
AMB263	Introduction to Public		

	Relations
AMB264	Public Relations Techniques
Year 3, S	emester 1
AMB372	Public Relations Planning
AMDOZO	Issues, Stakeholders and
AMB373	Reputation
Year 3, S	emester 2
BSB111	Business Law and Ethics
BSB123	Data Analysis
Year 4, S	emester 1
AMB374	Global Public Relations Cases
BSB399	Real World Ready - Business Capstone
Year 4, S	emester 2
AMB379	Public Relations Campaigns
AMB375	Internal Communication and Change
Semester	⁻ 2 (July) commencement
	emester 2
BSB119	Global Business
BSB126	Marketing
Year 2, S	emester 1
BSB110	Accounting
BSB115	Management
Year 2, S	emester 2
BSB113	Economics
AMB201	Marketing and Audience Analytics
Year 3, S	emester 1
AMB263	Introduction to Public Relations
AMB264	Public Relations Techniques
Year 3, S	emester 2
	Public Relations Planning
BSB123	Data Analysis
Year 4, S	emester 1
AMB373	Issues, Stakeholders and Reputation
AMB374	Global Public Relations Cases
	emester 2
AMB375	Internal Communication and Change
AMB379	Public Relations Campaigns
	emester 1
	Real World Ready - Business
BSB399	Capstone

Semesters

• Semester 1 (February) commencements

Capstone BSB111 | Business Law and Ethics

- 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, 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
IT Core U	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	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
Year 2, S	emester 1
IFB104	Building IT Systems
IFB105	Database Management
Year 2, S	emester 2
CAR201	Programming Principles



CAB201 Programming Principles

IT Core Unit Option

Year 3, Semester 1

Daoiloi	of of business/bachelof of		
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, S	emester 1		
IFB399	Capstone Project (Phase 2)		
Select ONE of:			
CAB402	Programming Paradigms		
CAB420	Machine Learning		
OR IT Co	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
- Year 2, Semester 1Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1Year 4, Semester 2
- Semester 2 (July) commencements
- Year 1, Semester 2
- Year 2, Semester 1Year 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, 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		
IAB201	Modelling Techniques for	

	Information Systems
IAB207	Rapid Web Application
	Development
	Semester 1
IAB203	Business Process Modelling Business Requirements
IAB204	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
	Semester 2
	Introduction to Computer
IFB102	Systems
IFB103	IT Systems Design
Year 2, S	Semester 1
IFB104	Building IT Systems
IFB105	Database Management
Year 2, S	Semester 2
	Modelling Techniques for
IAB201	Information Systems
IT Core U	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
	Semester 1
IAB203	Business Process Modelling
IFB295	IT Project Management
Year 4. S	Semester 2
IAB401	Enterprise Architecture
IFB398	Capstone Project (Phase 1)
	Semester 1
IFB399	Capstone Project (Phase 2)
Select O	
Sciedt O	TL OI.

IAB206	Modern Data Management
IAB260	Social Technologies
IAB303	Data Analytics for Business Insight
IAB320	Business Process Improvement
IAB402	Information Systems Consulting





Year	2020
QUT code	IX23
CRICOS	078352J
Duration (full-time)	4 years
ОР	10
Rank	79
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$10,100 per year full-time (96 credit points)
International fee (indicative)	2020: \$39,300 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); ph: +61 7 3138 8822; email: sef.enquiry@qut.edu.au; or, Director of Studies, QUT Business School; ph: +61 7 3138 2000; email: askqut@qut.edu.au
Discipline Coordinator	Associate Prof Belinda Luke (Accountancy); Nicolas Pontes (Advertising); Dr Radhika Lahiri (Economics); Dr Mark Doolan (Finance); Dr Ali Muhammad (Human Resource Management); Dr Shane Mathews (International Business); Dr Kavoos Mohannak (Management); Prof Larry Neale (Marketing); Dr Anne Lane (Public Relations); Dr Marion Bateson (Biological Science); Aspro Tim Dargaville (Chemistry); Dr Luke Nothdurft (Earth Science); Dr Andrew Baker (Environmental Science); Aspro Jamie Trapp (Physics) SEF: +61 7 3138 8822; Business +61 7 3138 2050 Science and Engineering: sef.enquiry@qut.edu.au; Business: bus@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)

We assume that you have knowledge equivalent to four semesters at high school level (Years 11 and 12) with sound achievement (4, SA). Recommended Study: At least one of Chemistry, Physics, Biology, Earth Science, Geography or Maths C.

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies. Recommended Study: At least one of Chemistry, Physics, Biology, Earth Science, Geography or Maths 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 science-based 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 accountancy 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 accountancy major units to allow them to complete professional requirements.



Sample Structure **Semesters**

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

Science

Code	;	Title		

Year 1, Semester 1 SEB104 Grand Challenges in Science Quantitative Methods in **SEB113**

Business School Unit

Business School Unit

Year 1, Semester 2

Science Core Unit Option

Science Major Option Unit (for Biology, Earth Science, Environmental Science) or MXB100 (Chemistry and Physics)

Business School Unit

Business School Unit

Year 2, Semester 1

SEB115 Experimental Science 1 SEB116 Experimental Science 2

Business School Unit

Business School Unit

Year 2, Semester 2

Science Major Unit

Science Major Unit

Business School Unit

Business School Unit

Year 3, Semester 1

Science Major Unit

Science Major Unit

Business School Unit

Business School Unit

Year 3, Semester 2

Science Major Unit

Science Major Unit

Business School Unit

Business School Unit

Year 4, Semester 1

Science Major Unit

Science Major Unit

Business School Unit

Business School Unit

Year 4, Semester 2

Science Major Unit

Science Major Unit (capstone)

Business School Unit

Business School Unit

- 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

Code	Title

Semester 1 (February) commencements

Year 1, Semester 1

SEB104 Grand Challenges in Science

Quantitative Methods in 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

BVB101 Foundations of Biology

BVB102 Evolution

Year 3, Semester 1

Experimental Design and BVB202 Quantitative Methods

BVB301 Animal Biology

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

BVB304 Integrative Biology

Population Genetics and **BVB313** Molecular Ecology

Semester 2 (July) commencements

Year 1, Semester 2

SEB104 Grand Challenges in Science

Quantitative Methods in **SEB113** Science

Science Core Unit Option

Science Major Unit Option

Year 2, Semester 1

SEB115 Experimental Science 1

SFR116	Experimental Science 2
SEDIIO	Experimental ocience /

Year 2, Semester 2

BVB101 Foundations of Biology

BVB102 Evolution

Year 3, Semester 1

Experimental Design and BVB202 Quantitative Methods

BVB301 Animal Biology

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

BVB304 Integrative Biology

Population Genetics and **BVB313** Molecular Ecology

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

Semester 1 (February) commencements

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



Dacriei	of of Science/Bachelor of i
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
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
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1 Year 4, Semester 2

Code	Title
Semester	1 (February) commend

Year 1, Semester 1

Grand Challenges in Science SEB104

cements

Quantitative Methods in SFB113 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 ERB102 Evolving Earth

Year 3, Semester 1

Destructive Earth: Natural **ERB201** Hazards

ERB202 Marine Geoscience

Year 3, Semester 2

ERB203	Sedimentary Geology and Stratigraphy
ERB204	Deforming Earth: 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

Semester 2 (July) commencements

Year 1, Semester 2

SEB104 Grand Challenges in Science Quantitative Methods in **SEB113**

Science

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, Semester 1

Destructive Earth: Natural **ERB201** Hazards

ERB202 Marine Geoscience

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		
ERB303	Energy Resources and Basin Analysis	

Dynamic Earth: Plate

Semesters

ERB304

 Semester 1 (February) commencements

Tectonics

Year 1, Semester 1

Canlogy

- 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	Title	

Semester 1 (February) commencements

Year 1, Semester 1

Grand Challenges in Science SEB104

Quantitative Methods in **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

Ecosystems and the EVB102 Environment

Year 3, Semester 1

Experimental Design and **BVB202** Quantitative Methods

Geospatial Information **EVB203** 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

Case Studies in EVB304

Baorioi	of of Science/Bachelor of I
	Environmental Science
Semester	2 (July) commencements
Year 1, S	emester 2
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Science (Core Unit Option
Science I	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

- 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

Algebra

MXB100

0000	1100	
Semester	Semester 1 (February) commencements	
Year 1, Semester 1		
SEB104	Grand Challenges in Science	
SEB113	Quantitative Methods in Science	
Year 1, Semester 2		

Introductory Calculus and

|--|

Year 2, Semester 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, Semester 1

Computational and **PVB200** Mathematical Physics PVB203 Experimental Physics

Year 3, Semester 2

Mathematical Methods in PVB202 **Physics** PVB204 Electromagnetism

Year 4, Semester 1

Materials and Thermal **PVB301 Physics** Classical and Quantum **PVB302 Physics**

Year 4, Semester 2

PVB303 Nuclear and Particle Physics PVB304 Physics Research

Semester 2 (July) commencements

Year 1, Semester 2

Introductory Calculus and MXB100 Algebra SEB104 Grand Challenges in Science Quantitative Methods in **SEB113** Science

Science Core Unit Option

Year 2, Semester 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, Semester 1

Computational and PVB200 Mathematical Physics

PVB203 Experimental Physics

Year 3, Semester 2

Mathematical Methods in **PVB202 Physics** PVB204 Electromagnetism

Year 4, Semester 1

Materials and Thermal **PVB301 Physics** Classical and Quantum **PVB302 Physics**

Year 4, Semester 2

PVB303 | Nuclear and Particle Physics PVB304 Physics Research

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
- Semester 2 (July) commencement
- Year 1 Semester 2 (July)
- Year 2 Semester 1 (February)
- Year 2 Semester 2 (July)
- Year 3 Semester 1 (February)
- Year 3 Semester 2 (July)
- Year 4 Semester 1 (February)
- Year 4 Semester 2 (July)
- Year 5 Semester 1 (February)

Code	Title
Semester 1 (February) commencement	
Year 1 Semester 1	
BSB111	Business Law and Ethics
BSB113	Economics
Year 1 Semester 2	

BSB110 Accounting EFB210 Finance 1

Year 2 Semester 1

MGB22 Entrepreneurship

AYB219 Taxation Law

Year 2 Semester 2

BSB126 Marketing

BSB119 Global Business

Year 3 Semester 1

AYB250 Personal Financial Planning

BSB115 Management

Year 3 Semester 2

Financial Services Regulation AYB232 and I aw

Superannuation and AYB240 Retirement Planning

Year 4 Semester 1

EFB345 - Managing Investments & Client Relationships

Insurance, Risk Management **EFB227** and Estate Planning

Year 4 Semester 2

Real World Ready - Business **BSB399** Capstone Financial Plan Construction AYB346 (Capstone)

Semester 2 (July) commencement

Year 1 Semester 2 (July)

BSB111 **Business Law and Ethics**

BSB113 Economics

Year 2 Semester 1 (February)

BSB110 Accounting



Year 1 Semester 2

EFB210	Finance 1	
Year 2 Se	emester 2 (July)	
MGB22 7	Entrepreneurship	
AYB219	Taxation Law	
Year 3 Se	emester 1 (February)	
BSB126	Marketing	
AYB250	Personal Financial Planning	
Year 3 Se	emester 2 (July)	
AYB240	Superannuation and Retirement Planning	
BSB115	Management	
Year 4 Semester 1 (February)		
EFB227 - Insurance, Risk Management & Estate Planning		
BSB119	Global Business	
Year 4 Se	emester 2 (July)	
AYB232	Financial Services Regulation and Law	
AYB346	Financial Plan Construction (Capstone)	
Year 5 Semester 1 (February)		
EFB345	Managing Investments and Client Relationships	
BSB399	Real World Ready - Business Capstone	

This is a recommended course progression for IX23 students completing the Bachelor of Business (HRM) major. If you deviate from this structure please plan your progression carefully, taking note of the pre-requisites. If you have any questions about the Business component of your course please contact the School of Management.

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
- Semester 2 (July) commencement
- Year 1 Semester 2 (July)
- Year 2 Semester 1 (February)
- Year 2 Semester 2 (July)
- Year 3 Semester 1 (February)
- Year 3 Semester 2 (July)
- Year 4 Semester 1 (February)
- Year 4 Semester 2 (July)
- Year 5 Semester 1 (February)

Code	Title
Semester	1 (February) commencement
Year 1 Semester 1	
BSB113	Economics
BSB115	Management

	emester 2	
BSB126	Marketing	
BSB119	Global Business	
Year 2 Se	emester 1	
BSB110	Accounting	
BSB111	Business Law and Ethics	
Year 2 Se	emester 2	
MGB21 4	Introducing People Management and Analytics	
MGB20 0	Managing People	
Year 3 Se	emester 1	
MGB23 0	Recruiting and Selecting People	
MGB22 9	Obligations and Options for Employing People	
Employm MGB229	unit MGB201 Contemporary ent Relations is replaced by and unit MGB320 Recruitment ction is replaced by MGB230.	
Year 3 Se	emester 2	
MGB22 7	Entrepreneurship	
MGB33 1	Developing People	
Year 4 Se	emester 1	
BSB399	Real World Ready - Business Capstone	
MGB33 9	Managing Performance and Rewards	
Year 4 Semester 2		
Year 4 Se	emester 2	
Year 4 Se MGB37 2	emester 2 Creating Value through People	
MGB37 2	Creating Value through	
MGB37 2	Creating Value through People	
MGB37 2 Select on MGB30	Creating Value through People e of the following:	
MGB37 2 Select on MGB30 6 MGB31	Creating Value through People e of the following: Independent Study Managing Sustainable	
MGB37 2 Select on MGB30 6 MGB31 0 MGB33 8 In 2019, u Professio by MGB3	Creating Value through People e of the following: Independent Study Managing Sustainable Change Workplace Learning unit MGB370 Personal and nal Development is replaced 72.	
MGB37 2 Select on MGB30 6 MGB31 0 MGB33 8 In 2019, u Professio by MGB3 Semester	Creating Value through People e of the following: Independent Study Managing Sustainable Change Workplace Learning unit MGB370 Personal and nal Development is replaced 72.	
MGB37 2 Select on MGB30 6 MGB31 0 MGB33 8 In 2019, u Professio by MGB3 Semester Year 1 Se	Creating Value through People e of the following: Independent Study Managing Sustainable Change Workplace Learning unit MGB370 Personal and nal Development is replaced 72. (2 (July) commencement emester 2 (July)	
MGB37 2 Select on MGB30 6 MGB31 0 MGB33 8 In 2019, to Profession by MGB3 Semester Year 1 Set BSB113	Creating Value through People e of the following: Independent Study Managing Sustainable Change Workplace Learning unit MGB370 Personal and nal Development is replaced 72. r 2 (July) commencement emester 2 (July) Economics	
MGB37 2 Select on MGB30 6 MGB31 0 MGB33 8 In 2019, u Professio by MGB3 Semester Year 1 Se BSB113 BSB115	Creating Value through People e of the following: Independent Study Managing Sustainable Change Workplace Learning unit MGB370 Personal and nal Development is replaced 72. 72 (July) commencement emester 2 (July) Economics Management	
MGB37 2 Select on MGB30 6 MGB31 0 MGB33 8 In 2019, u Professio by MGB3 Semester Year 1 Se BSB113 BSB115	Creating Value through People e of the following: Independent Study Managing Sustainable Change Workplace Learning unit MGB370 Personal and nal Development is replaced 72. 72 (July) commencement emester 2 (July) Economics Management emester 1 (February)	
MGB37 2 Select on MGB30 6 MGB31 0 MGB33 8 In 2019, u Professio by MGB3 Semester Year 1 Se BSB113 BSB115 Year 2 Se	Creating Value through People e of the following: Independent Study Managing Sustainable Change Workplace Learning unit MGB370 Personal and nal Development is replaced 72. r 2 (July) commencement emester 2 (July) Economics Management emester 1 (February) Business Law and Ethics	
MGB37 2 Select on MGB30 6 MGB31 0 MGB33 8 In 2019, u Profession by MGB3 Semester Year 1 Se BSB113 BSB115 Year 2 Se BSB111 BSB126	Creating Value through People e of the following: Independent Study Managing Sustainable Change Workplace Learning unit MGB370 Personal and nal Development is replaced 72. 72 (July) commencement mester 2 (July) Economics Management mester 1 (February) Business Law and Ethics Marketing	
MGB37 2 Select on MGB30 6 MGB31 0 MGB33 8 In 2019, u Profession by MGB3 Semester Year 1 Se BSB113 BSB115 Year 2 Se BSB111 BSB126	Creating Value through People e of the following: Independent Study Managing Sustainable Change Workplace Learning unit MGB370 Personal and nal Development is replaced 72. 2 (July) commencement emester 2 (July) Economics Management emester 1 (February) Business Law and Ethics Marketing emester 2 (July)	
MGB37 2 Select on MGB30 6 MGB31 0 MGB33 8 In 2019, u Professio by MGB3 Semester Year 1 Se BSB113 BSB115 Year 2 Se BSB111 BSB126 Year 2 Se	Creating Value through People e of the following: Independent Study Managing Sustainable Change Workplace Learning unit MGB370 Personal and nal Development is replaced 72. 72 (July) commencement mester 2 (July) Economics Management mester 1 (February) Business Law and Ethics Marketing	
MGB37 2 Select on MGB30 6 MGB31 0 MGB33 8 In 2019, u Profession by MGB3 Semester Year 1 Se BSB113 BSB115 Year 2 Se BSB111 BSB126 Year 2 Se BSB110 BSB119	Creating Value through People e of the following: Independent Study Managing Sustainable Change Workplace Learning unit MGB370 Personal and nal Development is replaced 72. 2 (July) commencement emester 2 (July) Economics Management emester 1 (February) Business Law and Ethics Marketing emester 2 (July) Accounting Global Business	
MGB37 2 Select on MGB30 6 MGB31 0 MGB33 8 In 2019, u Profession by MGB3 Semester Year 1 Se BSB113 BSB115 Year 2 Se BSB111 BSB126 Year 2 Se BSB110 BSB119	Creating Value through People e of the following: Independent Study Managing Sustainable Change Workplace Learning unit MGB370 Personal and nal Development is replaced 72. 12 (July) commencement emester 2 (July) Economics Management emester 1 (February) Business Law and Ethics Marketing emester 2 (July) Accounting Global Business emester 1 (February)	
MGB37 2 Select on MGB30 6 MGB31 0 MGB33 8 In 2019, u Professio by MGB3 Semester Year 1 Se BSB113 BSB115 Year 2 Se BSB111 BSB126 Year 2 Se BSB110 BSB119 Year 3 Se	Creating Value through People e of the following: Independent Study Managing Sustainable Change Workplace Learning unit MGB370 Personal and nal Development is replaced 72. 2 (July) commencement emester 2 (July) Economics Management emester 1 (February) Business Law and Ethics Marketing emester 2 (July) Accounting Global Business	
MGB37 2 Select on MGB30 6 MGB31 0 MGB33 8 In 2019, u Professio by MGB3 Semester Year 1 Se BSB113 BSB115 Year 2 Se BSB111 BSB126 Year 2 Se BSB110 BSB119 Year 3 Se MGB21	Creating Value through People e of the following: Independent Study Managing Sustainable Change Workplace Learning unit MGB370 Personal and nal Development is replaced 72. 2 (July) commencement emester 2 (July) Economics Management emester 1 (February) Business Law and Ethics Marketing emester 2 (July) Accounting Global Business emester 1 (February) Introducing People	

0 In 2019, unit MGB207 Human Resource Issues and Strategy is replaced by MGB214. Year 3 Semester 2 (July) Obligations and Options for **Employing People** MGB23 Recruiting and Selecting People In 2019, unit MGB320 Recruitment and Selection is replaced by MGB230 and MGB201 Contemporary Employment Relations is replaced by MGB229. Year 4 Semester 1 (February) MGB33 **Developing People** MGB33 Managing Performance and Rewards Year 4 Semester 2 (July) MGB22 Entrepreneurship 7 MGB37 Creating Value through People Year 5 Semester 1 (February) Real World Ready - Business **BSB399** Capstone select one of the following: MGB30 Independent Study 6 MGB31 Managing Sustainable 0 Change

Semesters

MGB33

8

• Year 1 Semester 1

Workplace Learning

- 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

Teal 4 Octilester 2			
Code	Title		
Year 1 Se	emester 1		
BSB119	Global Business		
BSB126	Marketing		
Year 1 Semester 2			
BSB110	Accounting		
BSB115	Management		
Year 2 Se	Year 2 Semester 1		
BSB113	Economics		
MGB22 5	Intercultural Communication and Negotiation Skills		
	ania i regenation entito		
Year 2 Se	emester 2		
Year 2 Se MGB22 7			





Year 3 Se	emester 1	
AMB210	Importing and Exporting	
AYB227	International Accounting	
Year 3 Se	emester 2	
MGB34 0	International Business in the Asia-Pacific	
EFB240	Finance for International Business	
Year 4 Semester 1		
AMB303	International Logistics	
AMB336	International Marketing	
Year 4 Semester 2		
BSB399	Real World Ready - Business Capstone	
AMB369	International Business Strategy	

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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
- Semester 2 (July) commencement
- Year 1 Semester 2 (July)
- Year 2 Semester 1 (February)
- Year 2 Semester 2 (July)
- Year 3 Semester 1 (February)
- Year 3 Semester 2 (July)
- Year 4 Semester 1 (February)
- Year 4 Semester 2 (July)
- Year 5 Semester 1

Code	Title	
Semester	1 (February) commencement	
Year 1 Se	emester 1	
BSB115	Management	
BSB126	Marketing	
Year 1 Se	emester 2	
BSB110	Accounting	
BSB113	Economics	
Year 2 Semester 1		
BSB119	Global Business	
BSB111	Business Law and Ethics	
Year 2 Semester 2		
MGB20 0	Managing People	

MGB22 Interpreneurship Year 3 Semester 1 MGB22 Intercultural Communication and Negotiation Skills MGB22 Innovation, Knowledge and Creativity Year 3 Semester 2 MGB34 Managing Risk If you are completing the Management stream: MGB21 Managing Operations If you are completing the Entrepreneurship stream: MGB20 Contemporary Employment Relations MGB21 Managing Operations Year 4 Semester 1 BSB399 Real World Ready - Business Capstone If you are completing the Management stream: MGB33 Managing Projects If you are completing the Management stream: MGB33 Managing Business Growth Year 4 Semester 2 MGB30 Managing Business Growth Year 4 Semester 2 MGB31 Managing Strategically Choose one of: MGB31 Managing Sustainable Change MGB33 Workplace Learning Semester 2 (July) commencement Year 1 Semester 2 (July) BSB115 Management BSB119 Global Business Year 2 Semester 1 (February) BSB111 Business Law and Ethics BSB110 Accounting Year 3 Semester 1 (February) MGB20 Managing People MGB22 Intercultural Communication and Nagatistion Skille				
MGB22 Intercultural Communication and Negotiation Skills MGB22 Innovation, Knowledge and Creativity Year 3 Semester 2 MGB34 Managing Risk If you are completing the Management stream: MGB21 Managing Operations If you are completing the Entrepreneurship stream: MGB20 Contemporary Employment Relations MGB21 Managing Operations Year 4 Semester 1 BSB399 Real World Ready - Business Capstone If you are completing the Management stream: MGB33 Managing Projects If you are completing the Management stream: MGB33 Managing Business Growth Year 4 Semester 2 MGB30 Managing Business Growth Year 4 Semester 2 MGB31 Managing Strategically Choose one of: MGB31 Managing Sustainable Change MGB33 Workplace Learning Semester 2 (July) commencement Year 1 Semester 2 (July) BSB115 Management BSB119 Global Business Year 2 Semester 1 (February) BSB113 Economics BSB110 Accounting Year 3 Semester 1 (February) MGB20 Managing People MGB22 Intercultural Communication		Entrepreneurship		
MGB22 Intercultural Communication and Negotiation Skills MGB22 Innovation, Knowledge and Creativity Year 3 Semester 2 MGB34 Managing Risk If you are completing the Management stream: MGB21 Managing Operations If you are completing the Entrepreneurship stream: MGB20 Contemporary Employment Relations MGB21 Managing Operations Year 4 Semester 1 BSB399 Real World Ready - Business Capstone If you are completing the Management stream: MGB33 Managing Projects If you are completing the Management stream: MGB31 Managing Business Growth Year 4 Semester 2 MGB30 Managing Strategically Choose one of: MGB31 Managing Sustainable Change MGB33 Workplace Learning Semester 2 (July) commencement Year 1 Semester 2 (July) BSB115 Management BSB119 Global Business Year 2 Semester 1 (February) BSB111 Business Law and Ethics BSB110 Accounting Year 3 Semester 1 (February) MGB20 Managing People MGB22 Intercultural Communication	Year 3 Se	emester 1		
MGB22 Innovation, Knowledge and Creativity Year 3 Semester 2 MGB34 Managing Risk If you are completing the Management stream: MGB21 Managing Operations If you are completing the Entrepreneurship stream: MGB20 Contemporary Employment Relations MGB21 Managing Operations Year 4 Semester 1 BSB399 Real World Ready - Business Capstone If you are completing the Management stream: MGB33 Managing Projects If you are completing the Management stream: MGB34 Managing Business Growth Year 4 Semester 2 MGB30 Managing Strategically Choose one of: MGB31 Managing Sustainable Change MGB33 Workplace Learning Semester 2 (July) commencement Year 1 Semester 2 (July) BSB115 Management BSB119 Global Business Year 2 Semester 1 (February) BSB113 Economics BSB110 Accounting Year 3 Semester 1 (February) MGB20 Managing People MGB22 Intercultural Communication				
General Semester 2 MGB34 Managing Risk If you are completing the Management stream: MGB21 Managing Operations If you are completing the Entrepreneurship stream: MGB20 Contemporary Employment Relations MGB21 Managing Operations Year 4 Semester 1 BSB399 Real World Ready - Business Capstone If you are completing the Management stream: MGB33 Managing Projects If you are completing the Management stream: MGB33 Managing Business Growth Year 4 Semester 2 MGB30 Managing Strategically Choose one of: MGB31 Managing Sustainable Change MGB33 Workplace Learning Semester 2 (July) commencement Year 1 Semester 2 (July) BSB115 Management BSB119 Global Business Year 2 Semester 1 (February) BSB111 Business Law and Ethics BSB110 Accounting Year 3 Semester 1 (February) MGB20 MGB22 Intercultural Communication	5	and Negotiation Skills		
Year 3 Semester 2 MGB34 1	MGB22	Innovation, Knowledge and		
MGB34 If you are completing the Management stream: MGB21 O Managing Operations If you are completing the Entrepreneurship stream: MGB20 Contemporary Employment Relations MGB21 Managing Operations Year 4 Semester 1 BSB399 Real World Ready - Business Capstone If you are completing the Management stream: MGB33 Managing Projects If you are completing the Entrepreneurship stream: MGB34 Managing Business Growth Year 4 Semester 2 MGB30 Managing Strategically Choose one of: MGB31 Managing Sustainable Change MGB33 Workplace Learning Semester 2 (July) commencement Year 1 Semester 2 (July) BSB115 Management BSB119 Global Business Year 2 Semester 1 (February) BSB113 Economics BSB110 Accounting Year 3 Semester 1 (February) MGB20 Managing People MGB22 Intercultural Communication		•		
If you are completing the Management stream: MGB21 0	Year 3 Se	emester 2		
stream: MGB21 0		Managing Risk		
If you are completing the Entrepreneurship stream: MGB20 Contemporary Employment Relations MGB21 Managing Operations Year 4 Semester 1 BSB399 Real World Ready - Business Capstone If you are completing the Management stream: MGB33 Managing Projects If you are completing the Entrepreneurship stream: MGB32 Managing Business Growth Year 4 Semester 2 MGB30 Managing Strategically Choose one of: MGB31 Managing Sustainable 0 Change MGB33 Workplace Learning Semester 2 (July) commencement Year 1 Semester 2 (July) BSB115 Management BSB119 Global Business Year 2 Semester 1 (February) BSB113 Economics BSB126 Marketing Year 2 Semester 2 (July) BSB111 Business Law and Ethics BSB110 Accounting Year 3 Semester 1 (February) MGB20 Managing People MGB22 Intercultural Communication		completing the Management		
Entrepreneurship stream: MGB20 Contemporary Employment Relations MGB21 Managing Operations Year 4 Semester 1 BSB399 Real World Ready - Business Capstone If you are completing the Management stream: MGB33 Managing Projects If you are completing the Entrepreneurship stream: MGB32 Managing Business Growth Year 4 Semester 2 MGB30 Managing Strategically Choose one of: MGB31 Managing Sustainable Change MGB33 Workplace Learning Semester 2 (July) commencement Year 1 Semester 2 (July) BSB115 Management BSB119 Global Business Year 2 Semester 1 (February) BSB113 Economics BSB126 Marketing Year 2 Semester 2 (July) BSB111 Business Law and Ethics BSB110 Accounting Year 3 Semester 1 (February) MGB20 Managing People MGB22 Intercultural Communication		Managing Operations		
MGB20 Contemporary Employment Relations MGB21 0 Managing Operations Year 4 Semester 1 BSB399 Real World Ready - Business Capstone If you are completing the Management stream: MGB33 Managing Projects If you are completing the Entrepreneurship stream: MGB32 Managing Business Growth Year 4 Semester 2 MGB30 Managing Strategically Choose one of: MGB31 Managing Sustainable Change MGB33 Workplace Learning Semester 2 (July) commencement Year 1 Semester 2 (July) BSB115 Management BSB119 Global Business Year 2 Semester 1 (February) BSB113 Economics BSB126 Marketing Year 2 Semester 2 (July) BSB111 Business Law and Ethics BSB110 Accounting Year 3 Semester 1 (February) MGB20 Managing People MGB22 Intercultural Communication				
MGB21 0 Managing Operations Year 4 Semester 1 BSB399 Real World Ready - Business Capstone If you are completing the Management stream: MGB33 Managing Projects If you are completing the Entrepreneurship stream: MGB32 Managing Business Growth Year 4 Semester 2 MGB30 Managing Strategically Choose one of: MGB31 Managing Sustainable 0 Change MGB33 Workplace Learning Semester 2 (July) commencement Year 1 Semester 2 (July) BSB115 Management BSB119 Global Business Year 2 Semester 1 (February) BSB113 Economics BSB126 Marketing Year 2 Semester 2 (July) BSB111 Business Law and Ethics BSB110 Accounting Year 3 Semester 1 (February) MGB20 0 Managing People MGB22 Intercultural Communication	-			
Year 4 Semester 1 BSB399 Real World Ready - Business Capstone If you are completing the Management stream: MGB33 Managing Projects If you are completing the Entrepreneurship stream: MGB32 Managing Business Growth Year 4 Semester 2 MGB30 Managing Strategically Choose one of: MGB31 Managing Sustainable O Change MGB33 Workplace Learning Semester 2 (July) commencement Year 1 Semester 2 (July) BSB115 Management BSB119 Global Business Year 2 Semester 1 (February) BSB113 Economics BSB116 Marketing Year 2 Semester 2 (July) BSB111 Business Law and Ethics BSB110 Accounting Year 3 Semester 1 (February) MGB20 Managing People MGB22 Intercultural Communication	1			
Real World Ready - Business Capstone If you are completing the Management stream: MGB33 Managing Projects If you are completing the Entrepreneurship stream: MGB32 Managing Business Growth Year 4 Semester 2 MGB30 Managing Strategically Choose one of: MGB31 Managing Sustainable Change MGB33 Workplace Learning Semester 2 (July) commencement Year 1 Semester 2 (July) BSB115 Management BSB119 Global Business Year 2 Semester 1 (February) BSB113 Economics BSB126 Marketing Year 2 Semester 2 (July) BSB111 Business Law and Ethics BSB110 Accounting Year 3 Semester 1 (February) MGB20 MGB22 Intercultural Communication		Managing Operations		
If you are completing the Management stream: MGB33 Managing Projects If you are completing the Entrepreneurship stream: MGB32 Managing Business Growth Year 4 Semester 2 MGB30 Managing Strategically Choose one of: MGB31 Managing Sustainable Change MGB33 Workplace Learning Semester 2 (July) commencement Year 1 Semester 2 (July) BSB115 Management BSB119 Global Business Year 2 Semester 1 (February) BSB113 Economics BSB126 Marketing Year 2 Semester 2 (July) BSB111 Business Law and Ethics BSB110 Accounting Year 3 Semester 1 (February) MGB20 MGB22 Intercultural Communication	Year 4 Se	emester 1		
stream: MGB33 5 Managing Projects If you are completing the Entrepreneurship stream: MGB32 4 Managing Business Growth Year 4 Semester 2 MGB30 9 Managing Strategically Choose one of: MGB31 Managing Sustainable 0 Change MGB33 Workplace Learning Semester 2 (July) commencement Year 1 Semester 2 (July) BSB115 Management BSB119 Global Business Year 2 Semester 1 (February) BSB113 Economics BSB116 Marketing Year 2 Semester 2 (July) BSB111 Business Law and Ethics BSB110 Accounting Year 3 Semester 1 (February) MGB20 0 Managing People MGB22 Intercultural Communication	BSB399	-		
MGB33 5 Managing Projects If you are completing the Entrepreneurship stream: MGB32 4 Managing Business Growth Year 4 Semester 2 MGB30 9 Managing Strategically Choose one of: MGB31 0 Managing Sustainable 0 Change MGB33 8 Workplace Learning Semester 2 (July) commencement Year 1 Semester 2 (July) BSB115 Management BSB119 Global Business Year 2 Semester 1 (February) BSB113 Economics BSB126 Marketing Year 2 Semester 2 (July) BSB111 Business Law and Ethics BSB110 Accounting Year 3 Semester 1 (February) MGB20 0 MGB22 Intercultural Communication	If you are	completing the Management		
Managing Projects If you are completing the Entrepreneurship stream: MGB32 4 Managing Business Growth Year 4 Semester 2 MGB30 9 Managing Strategically Choose one of: MGB31 Managing Sustainable 0 Change MGB33 Workplace Learning Semester 2 (July) commencement Year 1 Semester 2 (July) BSB115 Management BSB119 Global Business Year 2 Semester 1 (February) BSB113 Economics BSB126 Marketing Year 2 Semester 2 (July) BSB111 Business Law and Ethics BSB110 Accounting Year 3 Semester 1 (February) MGB20 0 Managing People MGB22 Intercultural Communication	stream:			
Entrepreneurship stream: MGB32 4 Managing Business Growth Year 4 Semester 2 MGB30 9 Managing Strategically Choose one of: MGB31 0 Change MGB33 8 Workplace Learning Semester 2 (July) commencement Year 1 Semester 2 (July) BSB115 Management BSB119 Global Business Year 2 Semester 1 (February) BSB113 Economics BSB116 Marketing Year 2 Semester 2 (July) BSB111 Business Law and Ethics BSB110 Accounting Year 3 Semester 1 (February) MGB20 0 MGB22 Intercultural Communication		Managing Projects		
Managing Business Growth Year 4 Semester 2 MGB30 9 Managing Strategically Choose one of: MGB31 0 Change MGB33 8 Workplace Learning Semester 2 (July) commencement Year 1 Semester 2 (July) BSB115 Management BSB119 Global Business Year 2 Semester 1 (February) BSB113 Economics BSB126 Marketing Year 2 Semester 2 (July) BSB111 Business Law and Ethics BSB110 Accounting Year 3 Semester 1 (February) MGB20 0 Managing People MGB22 Intercultural Communication				
MGB30 9 Managing Strategically Choose one of: MGB31 0 Change MGB33 8 Workplace Learning Semester 2 (July) commencement Year 1 Semester 2 (July) BSB115 Management BSB119 Global Business Year 2 Semester 1 (February) BSB113 Economics BSB126 Marketing Year 2 Semester 2 (July) BSB111 Business Law and Ethics BSB110 Accounting Year 3 Semester 1 (February) MGB20 0 MGB22 Intercultural Communication		Managing Business Growth		
Choose one of: MGB31	Year 4 Se	emester 2		
MGB31 Managing Sustainable 0 Change MGB33 Workplace Learning Semester 2 (July) commencement Year 1 Semester 2 (July) BSB115 Management BSB119 Global Business Year 2 Semester 1 (February) BSB113 Economics BSB126 Marketing Year 2 Semester 2 (July) BSB111 Business Law and Ethics BSB110 Accounting Year 3 Semester 1 (February) MGB20 0 Managing People MGB22 Intercultural Communication		Managing Strategically		
MGB33 Workplace Learning Semester 2 (July) commencement Year 1 Semester 2 (July) BSB115 Management BSB119 Global Business Year 2 Semester 1 (February) BSB113 Economics BSB126 Marketing Year 2 Semester 2 (July) BSB111 Business Law and Ethics BSB110 Accounting Year 3 Semester 1 (February) MGB20 0 Managing People MGB22 Intercultural Communication	Choose of	one of:		
Semester 2 (July) commencement Year 1 Semester 2 (July) BSB115 Management BSB119 Global Business Year 2 Semester 1 (February) BSB113 Economics BSB126 Marketing Year 2 Semester 2 (July) BSB111 Business Law and Ethics BSB110 Accounting Year 3 Semester 1 (February) MGB20 0 Managing People MGB22 Intercultural Communication				
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Year 1 Semester 2 (July) BSB115 Management BSB119 Global Business Year 2 Semester 1 (February) BSB113 Economics BSB126 Marketing Year 2 Semester 2 (July) BSB111 Business Law and Ethics BSB110 Accounting Year 3 Semester 1 (February) MGB20 Managing People MGB22 Intercultural Communication	_	r 2 (July) commencement		
BSB115 Management BSB119 Global Business Year 2 Semester 1 (February) BSB113 Economics BSB126 Marketing Year 2 Semester 2 (July) BSB111 Business Law and Ethics BSB110 Accounting Year 3 Semester 1 (February) MGB20 0 Managing People MGB22 Intercultural Communication				
BSB119 Global Business Year 2 Semester 1 (February) BSB113 Economics BSB126 Marketing Year 2 Semester 2 (July) BSB111 Business Law and Ethics BSB110 Accounting Year 3 Semester 1 (February) MGB20 0 Managing People MGB22 Intercultural Communication		, .,		
Year 2 Semester 1 (February) BSB113 Economics BSB126 Marketing Year 2 Semester 2 (July) BSB111 Business Law and Ethics BSB110 Accounting Year 3 Semester 1 (February) MGB20 0 Managing People MGB22 Intercultural Communication				
BSB113 Economics BSB126 Marketing Year 2 Semester 2 (July) BSB111 Business Law and Ethics BSB110 Accounting Year 3 Semester 1 (February) MGB20 0 Managing People MGB22 Intercultural Communication		-		
PSB126 Marketing Year 2 Semester 2 (July) BSB111 Business Law and Ethics BSB110 Accounting Year 3 Semester 1 (February) MGB20 0 Managing People MGB22 Intercultural Communication				
Year 2 Semester 2 (July) BSB111 Business Law and Ethics BSB110 Accounting Year 3 Semester 1 (February) MGB20 0 Managing People MGB22 Intercultural Communication				
BSB111 Business Law and Ethics BSB110 Accounting Year 3 Semester 1 (February) MGB20 0 Managing People MGB22 Intercultural Communication				
BSB110 Accounting Year 3 Semester 1 (February) MGB20 0 Managing People MGB22 Intercultural Communication				
Year 3 Semester 1 (February) MGB20 0 Managing People MGB22 Intercultural Communication	BSB110			
MGB20 0 Managing People MGB22 Intercultural Communication	Year 3 Se	•		
MGB22 Intercultural Communication	MGB20			

and Negotiation Skills

Innovation, Knowledge and

Year 3 Semester 2 (July)

Creativity

MGB22 7	Entrepreneurship		
Year 4 Semester 1 (February)			
MGB34 1	Managing Risk		
If you are stream:	completing the Management		
MGB21 0	Managing Operations		
	completing the neurship stream:		
MGB20 1	Contemporary Employment Relations		
OR			
MGB21 0	Managing Operations		
Year 4 Semester 2 (July)			
MGB30 9	Managing Strategically		
If you are stream:	completing the Management		
MGB33 5	Managing Projects		
If you are completing the Entrepreneurship stream:			
MGB32 4	Managing Business Growth		
Year 5 Se	Year 5 Semester 1		
BSB399	Real World Ready - Business Capstone		
Choose one of:			
MGB31 0	Managing Sustainable Change		
MGB33 8	Workplace Learning		

Due to professional recognition requirements Accountancy students will complete 6 Business Core units (BSB units) and 10 Accountancy major units as listed below.

In this list

- Semester 1 (February) and Semester 2 (July) 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

Semester 1 (February) and Semester 2 (July) commencement Code Title

On do Title	
Code Title	
BSB110 Accounting	
BSB115 Management	



5

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MGB22

Year 1 Semester 2	
Code	Title
BSB113	Economics
BSB126	Marketing

Year 2 Semester 1	
Code	Title
BSB111	Business Law and Ethics
AYB200	Financial Accounting

Year 2 Semester 2	
Code	Title
AYB221	Accounting Systems and Analytics
AYB225	Management Accounting

Year 3 Semester 1	
Code	Title
EFB210	Finance 1
BSB399	Real World Ready - Business Capstone

Year 3 Semester 2	
Code	Title
AYB219	Taxation Law
AYB340	Company Accounting

Year 4 Semester 1	
Code	Title
AYB230	Corporations Law
AYB321	Strategic Management Accounting

Year 4 Semester 2		
Code	Title	
AYB301	Audit and Assurance	
AYB311	Financial Accounting Issues	

In this list

- 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
- Semester 2 (July) commencement
- Year 1 Semester 2 (July)
- Year 2 Semester 1 (February)
- Year 2 Semester 2 (July) Year 3 Semester 1 (February)
- Year 3 Semester 2 (July)
- Year 4 Semester 1 (February)
- Year 4 Semester 2 (July)
- Year 5 Semester 1 (February)

Semester 1 (February) commencement	
Codo	Title

Year 1 Semester 1	
Code	Title
BSB126	Marketing
BSB113	Economics

Year 1 Semester 2	
Code	Title
BSB110	Accounting
BSB111	Business Law and Ethics

Year 2 Semester 1	
Code	Title
BSB115	Management
BSB119	Global Business

Year 2 Semester 2	
Code	Title
AMB20 0	Consumer Behaviour
AMB22 0	Advertising Theory and Practice

Year 3 Semester 1	
Code	Title
MGB22 7	Entrepreneurship
AMB20 1	Marketing and Audience Analytics

Year 3 Semester 2	
Code	Title
AMB31 8	Advertising Copywriting
AMB31 9	Media Planning

Year 4 Semester 1	
Code	Title
AMB32 0	Advertising Management
AMB33 0	Digital Portfolio

Year 4 Se	emester 2
Code	Title
AMB33 9	Advertising Campaigns
BSB399	Real World Ready - Business Capstone

Semester 2 (July)) commencement
Code	Title

Year 1 Se	emester 2 (July)
Code	Title
BSB126	Marketing
BSB113	Economics

Year 2 Semester 1 (February)	
Code	Title
BSB110	Accounting
BSB115	Management

Year 2 Semester 2 (July)	
Code	Title
BSB119	Global Business
AMB20 1	Marketing and Audience Analytics

Year 3 Semester 1 (February)	
Code	Title
AMB22 0	Advertising Theory and Practice
BSB111	Business Law and Ethics

Year 3 Semester 2 (July)	
Code	Title
AMB31 8	Advertising Copywriting
AMB31 9	Media Planning

Year 4 Semester 1 (February)	
Code	Title
AMB32 0	Advertising Management
AMB33 0	Digital Portfolio

Year 4 Semester 2 (July)	
Code	Title
AMB33 9	Advertising Campaigns
AMB20 0	Consumer Behaviour

Year 5 Semester 1 (February)	
Code	Title
MGB22 7	Entrepreneurship
BSB399	Real World Ready - Business Capstone

- 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
- Economics Options List
- Semester 2 (July) commencement
- Year 1 Semester 2 (July)
- Year 2 Semester 1 (February)
- Year 2 Semester 2 (July)
- Year 3 Semester 1 (February)



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

Semester 1 (February) commencemen	
Code	Title

Year 1 Semester 1	
Code	Title
BSB113	Economics
BSB115	Management

Year 1 Semester 2	
Code	Title
BSB110	Accounting
BSB111	Business Law and Ethics

Year 2 Semester 1	
Code	Title
BSB119	Global Business
MGB22 7	Entrepreneurship

Year 2 Semester 2	
Code	Title
BSB126	Marketing
EFB223	Economics 2

Year 3 Semester 1	
Code	Title
EFB330	Intermediate Macroeconomics
EFB331	Intermediate Microeconomics

Year 3 Semester 2	
Code Title	
Economics Optional Unit	
Economics Optional Unit	

Year 4 Semester 1		
Title		
Economics Optional Unit		
Economics Optional Unit		

Year 4 Semester 2	
Code	Title
BSB399	Real World Ready - Business Capstone
EFB338	Contemporary Application of Economic Theory

Economics Options List	
Code	Title
Quantitative Economics Units	
EFB222	Introduction to Applied Econometrics
EFB332	Applied Behavioural Economics
EFB333	Applied Econometrics

EFB337	Game Theory and Applications	
Applied Economics Units		
EFB201	Financial Markets	
EFB225	Economics for the Real World	
EFB226	Environmental Economics and Policy	
EFB336	International Economics	

Semester 2 (July) commencement	
Code	Title

Year 1 Semester 2 (July)	
Code	Title
BSB113	Economics
BSB115	Management

Year 2 Semester 1 (February)	
Code	Title
BSB110	Accounting
BSB111	Business Law and Ethics

Year 2 Semester 2 (July)	
Code	Title
BSB119	Global Business
EFB223	Economics 2

Year 3 Semester 1 (February)	
Code	Title
BSB126	Marketing
EFB331	Intermediate Microeconomics

rear 3 Se	emester 2 (July)
Code	Title
EFB330	Intermediate Macroeconomics
Economic	cs Optional Unit

Year 4 Semester 1 (February)	
Code	Title
Economics Optional Unit	
Economics Optional	Unit

Year 4 So	Year 4 Semester 2 (July)	
Code	Title	
EFB338	Contemporary Application of Economic Theory	
Economics Optional Unit		

Year 5 Semester 1 (February)	
Code	Title
BSB399	Real World Ready - Business Capstone
MGB22 7	Entrepreneurship

- Semester 1 (February) commencement
- Year 1 Semester 1

•	Vear	1	Sem	nester	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) commencement
 Year 1 Semester 2 (July)
- Year 2 Semester 1 (February)
- Year 2 Semester 2 (July)
- Year 3 Semester 1 (February)
- Year 3 Semester 2 (July)
 Year 4 Semester 1 (February)
- Year 4 Semester 2 (July)
- Year 5 Semester 1 (February)

Semester 1 (February) commencement		
Code	Title	

Year 1 Semester 1	
Code	Title
BSB113	Economics
BSB115	Management

Year 1 Semester 2	
Code	Title
EFB223	Economics 2
BSB126	Marketing

Year 2 Semester 1	
Code	Title
BSB110	Accounting
BSB111	Business Law and Ethics

Year 2 Semester 2	
Code	Title
BSB119	Global Business
MGB22 7	Entrepreneurship

Year 3 Semester 1	
Code	Title
EFB210	Finance 1
EFB201	Financial Markets

Year 3 Semester 2	
Code	Title
EFB312	International Finance
EFB343	Corporate Finance

Year 4 Semester 1		
Code	Title	
BSB399	Real World Ready - Business Capstone	
EFB335	Investments	

Year 4 Semester 2		
Code	Title	
EFB344	Risk Management and Derivatives	



EFB360 Finance Capstone

Semester 2 (July) co	mmencement
Code	Title

Year 1 Semester 2 (July)	
Code	Title
BSB113	Economics
BSB115	Management

Year 2 Semester 1 (February)	
Code	Title
EFB223	Economics 2
BSB126	Marketing

Year 2 Semester 2 (July)	
Code	Title
BSB110	Accounting
BSB111	Business Law and Ethics

Year 3 Semester 1 (February)	
Code	Title
BSB119	Global Business
MGB22 7	Entrepreneurship

Year 3 Semester 2 (July)	
Code	Title
EFB210	Finance 1
EFB201	Financial Markets

Year 4 Semester 1 (February)	
Code	Title
EFB312	International Finance
EFB343	Corporate Finance

Year 4 Semester 2 (July)		
Code	Title	
BSB399	Real World Ready - Business Capstone	
EFB335	Investments	

Year 5 Semester 1 (February)	
Code	Title
EFB344	Risk Management and Derivatives
EFB360	Finance Capstone

In this list

- Semester 1 (February) commencement
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1Year 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 (July)

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

Semester 1 (February) commencement	
Code	Title

Year 1 Semester 1	
Code	Title
BSB113	Economics
BSB126	Marketing

Year 1 Semester 2	
Code	Title
BSB111	Business Law and Ethics
BSB110	Accounting

Year 2 Semester 1	
Code	Title
BSB115	Management
BSB119	Global Business

Year 2 Semester 2	
Code	Title
AMB20 0	Consumer Behaviour
AMB20 1	Marketing and Audience Analytics

Year 3 Semester 1	
Code	Title
MGB22 7	Entrepreneurship
AMB24 0	Marketing Planning and Management

Year 3 Semester 2	
Code	Title
AMB20 2	Integrated Marketing Communication
AMB33 6	International Marketing

Year 4 Semester 1	
Code	Title
AMB33 0	Digital Portfolio
AMB34 0	Services Marketing

Year 4 Se	Year 4 Semester 2	
Code	Title	
BSB399	Real World Ready - Business Capstone	
AMB35 9	Strategic Marketing	

Semester 2 (July) commencement		
Code	Title	

Year 1 Semester 2 (July)	
Code	Title
BSB126	Marketing
BSB113	Economics

Year 2 Semester 1 (February)	
Code	Title
BSB111	Business Law and Ethics
BSB115	Management

Year 2 Semester 2 (July)	
Code	Title
BSB119	Global Business
MGB22 7	Entrepreneurship

Year 3 Semester 1 (February)	
Code	Title
BSB110	Accounting
AMB20 1	Marketing and Audience Analytics

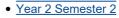
Year 3 Semester 2 (July)	
Code	Title
AMB20	Integrated Marketing
2	Communication
AMB24	Marketing Planning and
0	Management

Year 4 Se	Year 4 Semester 1 (February)	
Code	Code Title	
AMB34 0	Services Marketing	
AMB33 0	Digital Portfolio	

Year 4 Semester 2 (July)	
Code	Title
AMB33 6	International Marketing
AMB20 0	Consumer Behaviour

Year 5 Semester 1 (February)	
Code	Title
AMB35 9	Strategic Marketing
BSB399	Real World Ready - Business Capstone

- Semester 1 (February) commencement
- Year 1 Semester 1
- Year 1 Semester 2Year 2 Semester 1





- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2Semester 2 (July) commencement
- Year 1 Semester 2 (July)
- Year 2 Semester 1 (February)
- Year 2 Semester 2 (July)Year 3 Semester 1 (February)
- Year 3 Semester 2 (July)
- Year 4 Semester 1 (February)
- Year 4 Semester 2 (July)Year 5 Semester 1 (February)

Semester 1 (February) commencement	
Code	Title

Year 1 Semester 1	
Code	Title
BSB119	Global Business
BSB126	Marketing

Year 1 Semester 2	
Code	Title
BSB110	Accounting
BSB113	Economics

Year 2 Semester 1	
Code	Title
AMB26 3	Introduction to Public Relations
AMB26 4	Public Relations Techniques

Year 2 Semester 2	
Code	Title
AMB20 1	Marketing and Audience Analytics
BSB111	Business Law and Ethics

Year 3 Semester 1	
Code	Title
AMB37 2	Public Relations Planning
AMB37	Issues, Stakeholders and Reputation

Year 3 Semester 2	
Code	Title
BSB115	Management
MGB22 7	Entrepreneurship

Year 4 Semester 1		emester 1
	Code	Title
	BSB399	Real World Ready - Business Capstone
	AMB37 4	Global Public Relations Cases

Year 4 Semester 2	
Code	Title

AMB37 5	Internal Communication and Change
AMB37 9	Public Relations Campaigns

Semester 2 (July) commencement	
Code	Title

Year 1 Semester 2 (July)	
Code	Title
BSB119	Global Business
BSB126	Marketing

Year 2 Semester 1 (February)	
Code	Title
BSB110	Accounting
BSB115	Management

Year 2 Semester 2 (July)	
Code	Title
BSB113	Economics
AMB20 1	Marketing and Audience Analytics

Year 3 Semester 1 (February)	
Code	Title
AMB26 3	Introduction to Public Relations
AMB26 4	Public Relations Techniques

Year 3 Semester 2 (July)	
Code	Title
AMB37 2	Public Relations Planning
MGB22 7	Entrepreneurship

Year 4 Semester 1 (February)	
Code	Title
AMB37	Issues, Stakeholders and Reputation
AMB37 4	Global Public Relations Cases

Year 4 Semester 2 (July)	
Code	Title
AMB37 5	Internal Communication and Change
AMB37 9	Public Relations Campaigns

Year 5 Semester 1 (February)	
Code	Title
BSB399	Real World Ready - Business Capstone
BSB111	Business Law and Ethics





Year	2020
QUT code	IX30
CRICOS	059601K
Duration (full-time)	4 years
ОР	6
Rank	89
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$10,500 per year full-time (96 credit points)
International fee (indicative)	2020: \$31,600 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	Director of Studies, QUT Business School; email:askqut@qut.edu.au; ph: +61 7 3138 2000; Professor Tim Moroney (Mathematics)
Discipline Coordinator	Associate Prof Belinda Luke (Accountancy); Nicolas Pontes (Advertising); Dr Radhika Lahiri (Economics); Dr Mark Doolan (Finance); Dr Ali Muhammad (Human Resource Management); Dr Shane Mathews (International Business); Dr Kavoos Mohannak (Management); Prof Larry Neale (Marketing); and Dr Anne Lane (Public Relations). Dr Pascal Buenzli (Applied and Computational Mathematics); Dr Paul Wu (Decision Science/Operations Research; and Statistics) Business +61 7 3138 2050; Maths: +61 7 3138 8822 Business Student Services: bus@qut.edu.au; Mathematics: Student Services -

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)

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:

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

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 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



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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 accountancy major units to allow them to complete professional requirements.

Mathematics component:

- six core units (72 credit points), which are further divided into four mathematics core units (48 credit points), and two core option units (24 credit points) selected from an approved list
- 10 major core units (120 credit points)

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

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 accountancy major units to allow them to complete professional requirements.

Mathematics component:

- Six core units (72 credit points), which are further divided into four mathematics core units (48 credit points), and two core option units (24 credit points) selected from an approved list
- 10 major core units (120 credit points)

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

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 2

Year 4	Semester 1
	0

Code	Title
Year 1 Semester 1	
Business School Un	it
Business School Unit	
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 Un	it
Business School Un	it

Year 2 Semester 2

Maths Core Option Unit

Maths Core Unit

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

Maths Major Unit

Year 4 Semester 2

Business School Unit

Business School Unit

Maths Major Unit

Maths Major Unit (Capstone)

- 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 Options List

Code	Title
Year 1 Se	emester 1
BSB113	Economics



BSB126	Marketing
Year 1 Se	emester 2
BSB110	Accounting
BSB115	Management
Year 2 Se	emester 1
BSB111	Business Law and Ethics
BSB119	Global Business
Year 2 Se	emester 2
MGB22 7	Entrepreneurship
EFB223	Economics 2
Year 3 Se	emester 1
EFB330	Intermediate Macroeconomics
EFB331	Intermediate Microeconomics
Year 3 Se	emester 2
Economic	cs Optional Unit
Economic	cs Optional Unit
Year 4 Se	emester 1
Economic	cs Optional Unit
Economic	cs Optional Unit
Year 4 Se	emester 2
EFB338	Contemporary Application of Economic Theory
BSB399	Real World Ready - Business Capstone
Economic	cs Options List
	oo optionio Liot
Quantitat	ive Economics Units
Quantitat EFB222	<u> </u>
	ive Economics Units Introduction to Applied
EFB222	ive Economics Units Introduction to Applied Econometrics Applied Behavioural
EFB222 EFB332	ive Economics Units Introduction to Applied Econometrics Applied Behavioural Economics
EFB222 EFB332 EFB333 EFB337	ive Economics Units Introduction to Applied Econometrics Applied Behavioural Economics Applied Econometrics Game Theory and
EFB222 EFB332 EFB333 EFB337	Introduction to Applied Econometrics Applied Behavioural Economics Applied Econometrics Game Theory and Applications
EFB222 EFB332 EFB333 EFB337 Applied E	ive Economics Units Introduction to Applied Econometrics Applied Behavioural Economics Applied Econometrics Game Theory and Applications Economics Units
EFB222 EFB332 EFB333 EFB337 Applied E EFB201	Introduction to Applied Econometrics Applied Behavioural Economics Applied Econometrics Applied Econometrics Game Theory and Applications Economics Units Financial Markets Economics for the Real World
EFB222 EFB332 EFB333 EFB337 Applied E EFB201 EFB225	ive Economics Units Introduction to Applied Econometrics Applied Behavioural Economics Applied Econometrics Game Theory and Applications Economics Units Financial Markets Economics for the Real World Environmental Economics and

- Semester 1 (February) commencement
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1Year 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 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 4 Semester 2 		
Code	Title	
Semeste	r 1 (February) commencement	
Year 1 S	emester 1	
BSB111	Business Law and Ethics	
BSB113	Economics	
Year 1 So	emester 2	
BSB110	Accounting	
EFB210		
	emester 1	
BSB123	, ,	
AYB219		
	emester 2	
BSB126	Marketing	
BSB119	Global Business	
	emester 1	
AYB250	·	
BSB115	Management	
Year 3 S	emester 2	
AYB232	Financial Services Regulation and Law	
AYB240	Superannuation and Retirement Planning	
Year 4 So	emester 1	
EFB227	Insurance, Risk Management and Estate Planning	
EFB345	Managing Investments and Client Relationships	
Year 4 So	emester 2	
BSB399	Real World Ready - Business Capstone	
AYB346	Financial Plan Construction (Capstone)	
Semeste	r 2 (July) commencement	
	emester 1	
BSB111	Business Law and Ethics	
BSB113	Economics	
Year 1 So	emester 2	
BSB110	Accounting	
EFB210	Finance 1	
Year 2 S	emester 1	
MGB22 7	Entrepreneurship	
AYB219	Taxation Law	
Year 2 So	emester 2	
BSB126	Marketing	
AYB250	Personal Financial Planning	
Year 3 So	emester 1	
AYB240	Superannuation and	
	Retirement Planning	
BSB115	Management	
Year 3 S	emester 2	
EFB227	Insurance, Risk Management and Estate Planning	

BSB119	Global Business	
Year 4 Semester 1		
AYB232	Financial Services Regulation and Law	
AYB346	Financial Plan Construction (Capstone)	
Year 4 Semester 2		
EFB345	Managing Investments and Client Relationships	
BSB399	Real World Ready - Business Capstone	

- 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 		
Code	Title	
Year 1 S	emester 1	
BSB113	Economics	
BSB115	Management	
Year 1 So	emester 2	
BSB110	Accounting	
BSB126	Marketing	
Year 2 S	emester 1	
BSB111	Business Law and Ethics	
MGB20 0	Managing People	
Year 2 So	emester 2	
BSB119	Global Business	
MGB22 7	Entrepreneurship	
Year 3 S	emester 1	
MGB21 4	Introducing People Management and Analytics	
MGB22 9	Obligations and Options for Employing People	
Year 3 S	emester 2	
MGB23 0	Recruiting and Selecting People	
BSB399	Real World Ready - Business Capstone	
Year 4 So	emester 1	
MGB33	Developing People	
MGB33	Managing Performance and Rewards	
Year 4 Semester 2		
MGB37	Creating Value through People	
Choose of	one of the following units:	
MGB30 6	Independent Study	
MGB31	Managing Sustainable	



0	Change
MGB33 8	Workplace 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
Year 1 Se	emester 1
BSB119	Global Business
BSB126	Marketing
Year 1 Se	emester 2
BSB110	Accounting
BSB115	Management
Year 2 Se	emester 1
BSB113	Economics
MGB22 5	Intercultural Communication and Negotiation Skills
Year 2 Se	emester 2
MGB22 7	Entrepreneurship
BSB111	Business Law and Ethics
Year 3 Se	emester 1
AMB210	Importing and Exporting
AYB227	International Accounting
Year 3 Se	emester 2
MGB34 0	International Business in the Asia-Pacific
EFB240	Finance for International Business
Year 4 Se	emester 1
AMB303	International Logistics
AMB336	International Marketing
Year 4 Se	emester 2
BSB399	Real World Ready - Business Capstone
AMB369	International Business Strategy

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 a	nd Computational Mathematic
Major uni	t 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
- Year 4 Semester 1
- Year 4 Semester 2

Maths Core Options Unit

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	
MXB161	Computational Explorations	
Year 2 Semester 1		
MXB101	Probability and Stochastic Modelling 1	

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 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

- Statistical Science 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

• <u>Yea</u>	<u>r 4 Semester 2</u>
Code	Title
Statistica	Science 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
MXR107	Introduction to Statistical

	Matriciliatios
MXB107	Introduction to Statistical Modelling
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 Semester 1	
MXB341	Statistical Inference
MXB344	Generalised Linear Models
Year 4 Semester 2	
MXB343	Modelling Dependent Data
MXB348	Work Integrated Learning in Statistics

Due to professional recognition requirements Accountancy students will complete 6 Business Core units (BSB units) and 10 Accountancy major units as listed below.

In this list

- Semester 1 (February) and Semester 2 (July) 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

Semester 1 (Februa	ry) and Semester 2
(July) commenceme	nt
Ondo	T:41 -

Year 1 Semester 1	
Code	Title
BSB110	Accounting
BSB115	Management

Year 1 Semester 2	
Code	Title
BSB113	Economics
BSB126	Marketing

Year 2 Semester 1	
Code	Title
BSB111	Business Law and Ethics
AYB200	Financial Accounting

Year 2 Se	emester 2
Code	Title
AYB221	Accounting Systems and Analytics
AYB225	Management Accounting

Year 3 Semester 1	
Code	Title
EFB210	Finance 1
BSB399	Real World Ready - Business Capstone

Year 3 Semester 2	
Code	Title
AYB219	Taxation Law
AYB340	Company Accounting

Ye	Year 4 Semester 1	
Со	de	Title
AY	′B230	Corporations Law
AY	′B321	Strategic Management Accounting

Year 4 Semester 2	
Code	Title
AYB301	Audit and Assurance
AYB311	Financial Accounting Issues

In this list

- 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
- Semester 2 (July) commencement
- Year 1 Semester 2 (July)
- Year 2 Semester 1 (February)
- Year 2 Semester 2 (July)
- Year 3 Semester 1 (February)
- Year 3 Semester 2 (July)
- Year 4 Semester 1 (February)
- Year 4 Semester 2 (July)
- Year 5 Semester 1 (February)

Semester 1 (February) commencement Code Title

Year 1 Semester 1	
Code	Title
BSB126	Marketing
BSB113	Economics

Year 1 Semester 2	
Code	Title
BSB110	Accounting
BSB111	Business Law and Ethics

Year 2 Semester 1	
Code	Title
BSB115	Management
BSB119	Global Business

Year 2 Semester 2	
Code	Title
AMB20 0	Consumer Behaviour
AMB22 0	Advertising Theory and Practice

Year 3 Semester 1	
Code	Title
MGB22 7	Entrepreneurship
AMB20	Marketing and Audience

1	Analytics
Year 3 Semester 2	
Code	Title
AMB31 8	Advertising Copywriting
AMB31 9	Media Planning

Year 4 Semester 1		
Code	Title	
AMB32 0	Advertising Management	
AMB33 0	Digital Portfolio	

Year 4 Semester 2	
Code	Title
AMB33 9	Advertising Campaigns
BSB399	Real World Ready - Business Capstone

Code		Title		
Year 1 Semester 2 (July)				
Code	Title			
BSB126	Marketing			

Semester 2 (July) commencement

BSB113 Economics

Year 2 Semester 1 (February)	
Code	Title
BSB110	Accounting
BSB115	Management

Year 2 Semester 2 (July)	
Code	Title
BSB119	Global Business
AMB20 1	Marketing and Audience Analytics

Year 3 Semester 1 (February)	
Code	Title
AMB22 0	Advertising Theory and Practice
BSB111	Business Law and Ethics

Year 3 Semester 2 (July)		
Code	Title	
AMB31 8	Advertising Copywriting	
AMB31 9	Media Planning	

Year 4 Semester 1 (February)		
Code	Title	
AMB32 0	Advertising Management	



Digital Portfolio	
	Digital Portfolio

Year 4 Semester 2 (July)	
Code	Title
AMB33 9	Advertising Campaigns
AMB20 0	Consumer Behaviour

Year 5 Semester 1 (February)	
Code	Title
MGB22 7	Entrepreneurship
BSB399	Real World Ready - Business Capstone

In this list

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

Year 1 Semester 1	
Code	Title
BSB113	Economics
BSB115	Management

Year 1 Semester 2	
Code	Title
BSB110	Accounting
BSB126	Marketing

Year 2 Semester 1	
Code	Title
BSB119	Global Business
BSB111	Business Law and Ethics

Year 2 Semester 2	
Code	Title
EFB210	Finance 1
MGB22 7	Entrepreneurship

Year 3 Semester 1	
Code	Title
EFB201	Financial Markets
EFB223	Economics 2

Year 3 So	Year 3 Semester 2	
Code	Title	
EFB312	International Finance	
EFB343	Corporate Finance	

Year 4 S	emester 1
Code	Title

BSB399	Real World Ready - Business Capstone
	Investments

Year 4 Se	emester 2
Code	Title
EFB344	Risk Management and Derivatives
EFB360	Finance Capstone

In this list

- 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 1 Semester 1	
Code	Title
BSB113	Economics
BSB115	Management

Year 1 Semester 2	
Code	Title
BSB119	Global Business
BSB126	Marketing

Year 2 Semester 1		
Code	Title	
BSB110	Accounting	
BSB111	Business Law and Ethics	

Year 2 S	ear 2 Semester 2	
Code	Title	
MGB20 0	Managing People	
MGB22 5	Intercultural Communication and Negotiation Skills	

Year 3 Se	/ear 3 Semester 1	
Code	Title	
MGB22 6	Innovation, Knowledge and Creativity	
MGB22 7	Entrepreneurship	

Year 3 Semester 2	
Code	Title
BSB399	Real World Ready - Business Capstone
If you are completing the Management Stream:	
MGB21 0	Managing Operations
If you are completing the Entrepreneurship stream:	
MGB20 1	Contemporary Employment Relations

MGB21	Managing Operations
0	Managing Operations
-	

Year 4 Semester 1	
Code	Title
MGB34 1	Managing Risk
If you are completing the Management Stream:	
MGB33 5	Managing Projects
If you are completing the Entrepreneurship stream:	
MGB32 4	Managing Business Growth

Year 4 Semester 2	
Code	Title
MGB30 9	Managing Strategically
MGB31 0	Managing Sustainable Change
MGB33 8	Workplace Learning

In this list

- 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
- Semester 2 (July) commencement
- Year 1 Semester 2 (July)
- Year 2 Semester 1 (February)
- Year 2 Semester 2 (July)
- Year 3 Semester 1 (February)
- Year 3 Semester 2 (July)
- Year 4 Semester 1 (February)
- Year 4 Semester 2 (July)
- Year 5 Semester 1 (February)

Semester 1 (February) commencemen	
Code	Title

Year 1 Semester 1	
Code	Title
BSB113	Economics
BSB126	Marketing

Year 1 Semester 2	
Code	Title
BSB111	Business Law and Ethics
BSB110	Accounting

Year 2 Semester 1	
Code	Title
BSB115	Management
BSB119	Global Business



Year 2 Semester 2	
Code	Title
AMB20 0	Consumer Behaviour
AMB20 1	Marketing and Audience Analytics

Year 3 Semester 1	
Code	Title
MGB22 7	Entrepreneurship
AMB24 0	Marketing Planning and Management

Year 3 Semester 2	
Code	Title
AMB20 2	Integrated Marketing Communication
AMB33 6	International Marketing

Year 4 Semester 1	
Code	Title
AMB33 0	Digital Portfolio
AMB34 0	Services Marketing

Year 4 Semester 2	
Code	Title
BSB399	Real World Ready - Business Capstone
AMB35 9	Strategic Marketing

Semester 2 (July) commencement	
Code	Title

Year 1 Semester 2 (July)	
Code	Title
BSB126	Marketing
BSB113	Economics

Year 2 Semester 1 (February)	
Code	Title
BSB111	Business Law and Ethics
BSB115	Management

Year 2 Semester 2 (July)	
Code	Title
BSB119	Global Business
MGB22 7	Entrepreneurship

Year 3 Semester 1 (February)	
Code	Title
BSB110	Accounting
AMB20 1	Marketing and Audience Analytics

Year 3 S	Year 3 Semester 2 (July)	
Code	Title	
AMB20 2	Integrated Marketing Communication	
AMB24 0	Marketing Planning and Management	

Year 4 Semester 1 (February)	
Code	Title
AMB34 0	Services Marketing
AMB33 0	Digital Portfolio

Year 4 Semester 2 (July)	
Code	Title
AMB33 6	International Marketing
AMB20 0	Consumer Behaviour

Year 5 Semester 1 (February)	
Code	Title
AMB35 9	Strategic Marketing
BSB399	Real World Ready - Business Capstone

In this list

- Semester 1 (February) commencement
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1Year 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 (July)
- Year 2 Semester 1 (February)
- Year 2 Semester 2 (July)
- Year 3 Semester 1 (February)
- Year 3 Semester 2 (July)
- Year 4 Semester 1 (February)
- Year 4 Semester 2 (July)
- Year 5 Semester 1 (February)

Semester 1 (February) commencement Code Title

Year 1 Semester 1	
Code	Title
BSB119	Global Business
BSB126	Marketing

Year 1 Semester 2	
Code	Title
BSB110	Accounting
BSB113	Economics

Year 2 Semester 1	
Code	Title
AMB26 3	Introduction to Public Relations
AMB26 4	Public Relations Techniques

Year 2 Semester 2	
Code	Title
AMB20 1	Marketing and Audience Analytics
BSB111	Business Law and Ethics

Year 3 Semester 1	
Code	Title
AMB37 2	Public Relations Planning
AMB37 3	Issues, Stakeholders and Reputation

Year 3 Semester 2	
Code	Title
BSB115	Management
MGB22 7	Entrepreneurship

Year 4 Semester 1	
Code	Title
BSB399	Real World Ready - Business Capstone
AMB37 4	Global Public Relations Cases

Year 4 Semester 2	
Code	Title
AMB37 5	Internal Communication and Change
AMB37 9	Public Relations Campaigns

Semester 2 (July) commencement	
Code	Title

Year 1 Semester 2 (July)	
Code	Title
BSB119	Global Business
BSB126	Marketing

Year 2 Semester 1 (February)	
Code	Title
BSB110	Accounting
BSB115	Management

Year 2 Semester 2 (July)	
Code	Title
BSB113	Economics
AMB20 1	Marketing and Audience Analytics



Year 3 Semester 1 (February)	
Code	Title
AMB26 3	Introduction to Public Relations
AMB26 4	Public Relations Techniques

Year 3 Semester 2 (July)	
Code	Title
AMB37 2	Public Relations Planning
MGB22 7	Entrepreneurship

Year 4 Semester 1 (February)	
Code	Title
AMB37 3	Issues, Stakeholders and Reputation
AMB37 4	Global Public Relations Cases

Year 4 Semester 2 (July)	
Code	Title
AMB37 5	Internal Communication and Change
AMB37 9	Public Relations Campaigns

Year 5 S	Year 5 Semester 1 (February)	
Code	Title	
BSB399	Real World Ready - Business Capstone	
BSB111	Business Law and Ethics	





Bachelor of Creative Industries/Bachelor of Information Technology

Year	2020
QUT code	IX56
CRICOS	059227E
Duration (full-time)	4 years
ОР	11
Rank	76
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	Dr Sophie McIntyre (Creative Industries); SEF Enquiry (Information Technology); ph: +61 7 3138 8822; email: sef.enquiry@qut.edu.au
Discipline Coordinator	+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)

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:

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary 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

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 studies
- music
- 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 industry placement during your course where you can integrate real experience



Bachelor of Creative Industries/Bachelor of Information Technology

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:

<u>Undergraduate Translation Table</u>

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

Study overseas while earning credit towards your QUT creative industries 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

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

Study overseas while earning credit towards your QUT creative industries 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

- 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

Creative Industries: Making KKB102

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 Introduction to Screen **KPB101** 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

Socially Engaged Arts **KYB201** 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





Year	2020
QUT code	IX59
CRICOS	084925D
Duration (full-time)	5 years
OP	10
Rank	79
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$10,400 per year full-time (96 credit points)
International fee (indicative)	2020: \$36,600 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	Director of Studies, QUT Business School; email: askqut@qut.edu.au; ph: +61 7 3138 2000; or, SEF Enquiries - email: sef.enquiry@qut.edu.au; ph: +61 7 3138 8822
Discipline Coordinator	+61 7 3138 2050; +61 7 3138 8822 bus@qut.edu.au;

sef.enquiry@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)

We assume that you have knowledge equivalent to four semesters at high school level (Years 11 and 12) with sound achievement (4, SA), Recommended Study: Chemistry, Maths C, Physics

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies. Recommended Study: Chemistry, Maths C, Physics

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

To graduate with a Bachelor of Engineering (Honours) in IX59, 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 complete the Bachelor of Business students will complete 192 credit points of course units, as outlined below:

- · 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 accountancy major units to allow them to complete professional requirements.

International Course structure

To graduate with a Bachelor of Engineering (Honours) in IX59, 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 complete the Bachelor of Business students will complete 192 credit points of course units, as outlined below:

- 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 accountancy major units to allow them to complete professional requirements.

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
- Year 5 Semester 1
- Year 5 Semester 2

	Code	Title
	Semester 1 (February) commencements	
Year 1 - Semester 1		Semester 1
	EGB113	Energy in Engineering Systems
	MZB125	Introductory Engineering



Dachei	or or business/bachelor or
	Mathematics
OR	
MXB161	Computational Explorations
Year 1 - 8	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - 9	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - 9	Semester 2
EGB120	Foundations of Electrical Engineering
Foundation	on Unit Option
Year 3 - 8	Semester 1
EGB261	Unit Operations
EGB323	Fluid Mechanics
Year 3 - 9	Semester 2
CVB101	General Chemistry
EGB322	Thermodynamics
Year 4 - 9	Semester 1
EGB262	Process Principles
EGB361	Minerals and Minerals Processing
Year 4 - 5	Semester 2
EGB364	Process Modelling
EGH411	Industrial Chemistry
Year 5 - 9	Semester 1
EGB362	Operations Management and Process Economics
EGH400 -1	Research Project 1
EGH404	Research in Engineering Practice
EGH463	Plant and Process Design
Year 5 - S	Semester 2
EGH400 -2	Research Project 2
EGH422	Advanced Thermodynamics
EGH423	Fluids Dynamics
EGH462	Process Control

Semesters

- Semester 1 (February) commencements
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1Year 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

Title

١		THIC
	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 ar Professional Practice
MZB126	Engineering Computation
Year 2 - 9	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - S	Semester 2
EGB123	Civil Engineering Systems
Foundation	on Unit Option
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, <u>S</u>	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 Structure
EGH400 -1	Research Project 1
EGH404	Research in Engineering Practice
EGH473	Advanced Geotechnical Engineering
Year 5 - S	Semester 2
EGH400 -2	Research Project 2
EGH472	Advanced Highway and Pavement Engineering
EGH475	Advanced Concrete Structures
EGH479	Advances in Civil Engineerin Practice

Semesters

- Semester 1 (February) commencements
- Year 1 Semester 1Year 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

- Tear o Comester 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		
Foundation	on Unit Option		
Year 3 - S	Semester 1		
CAB201	Programming Principles		
EGB242	Signal Analysis		
Year 3 - S	Semester 2		
CAB202	Microprocessors and Digital Systems		
Intermedi	ate Electrical Option Unit		
Year 4 - S	Semester 1		
EGB240	Electronic Design		
CAB301	Algorithms and Complexity		
Year 4 - S	Semester 2		
CAB403	Systems Programming		
EGH404	Research in Engineering Practice		
Year 5 - Semester 1			
EGH400 -1	Research Project 1		
CAB302	Software Development		
EGH456	Embedded Systems		
	d Computer & Software		
	Option Unit		
Year 5 - S	Semester 2		
EGH400 -2	Research Project 2		
EGH455	Advanced Systems Design		
Advanced Computer & Software Systems Option Unit			
CAB432	Cloud Computing		

Semesters

• Semester 1 (February) commencements



•	<u>Year</u>	<u>1 -</u>	<u>Seme</u>	<u>ster</u>	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
Semeste	r 1 (February) commencements
Year 1 - 9	Semester 1
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - 9	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - 9	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - 9	Semester 2
CAB202	Microprocessors and Digital Systems
EGB120	Foundations of Electrical Engineering
Year 3 - 9	Semester 1
EGB240	Electronic Design
EGB241	Electromagnetics and Machines
Year 3 - 9	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 f you are enrolled in EGB242 at time.
Year 4 - 9	Semester 1
EGB340	Design and Practice
Foundation	on Unit Option
Year 4 - S	Semester 2
Intermed	ate Electrical Option Unit (2)
Intermedi	iate Electrical Option Unit (3)
Year 5 - 9	Semester 1
EGH400 -1	Research Project 1
EGH404	Research in Engineering Practice

Advanced Electrical Option Unit (1) Advanced Electrical Option Unit (2)

Year 5 - Semester 2

-2	Research Project 2
Advanced	d Electrical Option Unit (3)
Advanced	d Electrical Option Unit (4)

Advanced Electrical Option Unit (5)

Semesters

- Semester 1 (February) commencements
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1

• Year 4 - Semester 1		
• Year	r 4 - Semester 2 r 5 - Semester 1	
	r 5 - Semester 2	
Code	Title	
	1 (February) commencements	
Year 1 - S	Semester 1	
EGB113	Energy in Engineering Systems	
MZB125	Introductory Engineering Mathematics	
MXB161	Computational Explorations	
Year 1 - S	Semester 2	
EGB100	Engineering Sustainability and Professional Practice	
MZB126	Engineering Computation	
Year 2 - S	Semester 1	
E00444	Foundation of Engineering	
EGB111	Design	
EGB121	Engineering Mechanics	
Year 2 - S	Semester 2	
EGB120	Foundations of Electrical Engineering	
Foundation	on Unit Option	
Year 3 - S	Semester 1	
CAB202	Microprocessors and Digital Systems	
EGB240	Electronic Design	
Year 3 - S	Semester 2	
EGB242	Signal Analysis	
Intermedi	ate Electrical Option Unit	
	Semester 1	
EGB243	Aircraft Systems and Flight	
EGB349	Systems Engineering and Design Project	
Year 4 - 9	Semester 2	
EGB345	Control and Dynamic Systems	
EGB346	Unmanned Aircraft Systems	
	Semester 1	
EGH400 -1	Research Project 1	
EGH404	Research in Engineering Practice	

EGH446	Autonomous Systems	
Advanced Electrical Option Unit		
Year 5 - Semester 2		
EGH400 -2	Research Project 2	
EGH445	Modern Control	
EGH450	Advanced Unmanned Aircraft Systems	
Advanced Electrical Option Unit		

- 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 2

0 1	
Code	Title
	1 (February) commencements
Year 1 - 9	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 - 9	Semester 2
EGB120	Foundations of Electrical Engineering
Foundation	on Unit Option
Year 3 - 9	Semester 1
EGB214	Materials and Manufacturing
EGB314	Strength of Materials
Year 3 - 5	Semester 2
EGB210	Fundamentals of Mechanical Design
EGB211	Dynamics
Year 4 - 9	Semester 1
EGB321	Dynamics of Machines
EGB323	Fluid Mechanics
Year 4 - S	Semester 2
EGB322	Thermodynamics
EGH404	Research in Engineering Practice





Year 5 - 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	Advanced Thermodynamics	
EGH423	Fluids Dynamics	

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

Code	Title	
Semeste	1 (February) commencements	
Year 1 - 9	Semester 1	
EGB113	Energy in Engineering Systems	
MZB125	Introductory Engineering Mathematics	
OR		
MXB161	Computational Explorations	
Year 1 - 9	Semester 2	
EGB100	Engineering Sustainability and Professional Practice	
MZB126	Engineering Computation	
Year 2 - 9	Semester 1	
EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	
Year 2 - 3	Semester 2	
EGB120	Foundations of Electrical Engineering	
Foundation	on Unit Option	
Year 3 - 3	Semester 1	
EGB211	Dynamics	
EGB242	Signal Analysis	
Year 3 - Semester 2		
CAB202	Microprocessors and Digital Systems	
EGB345	Control and Dynamic Systems	
Year 4 - 9	Semester 1	
EGB220	Mechatronics Design 1	
EGB321	Dynamics of Machines	

Year 4 - Semester 2

EGB320	Mechatronics Design 2	
Intermediate Electrical Option Unit		
Year 5 - 8	Semester 1	
EGH400 -1	Research Project 1	
EGH404	Research in Engineering Practice	
EGH419	Mechatronics Design 3	
EGH446	Autonomous Systems	
Year 5 - Semester 2		
EGH400 -2	Research Project 2	
EGH413	Advanced Dynamics	
EGH445	Modern Control	
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
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1
- Year 5 Semester 2

Title

Code

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	n Unit Option	
Year 3 - S	Semester 1	
EGB314	Strength of Materials	
LSB131	Anatomy	
Year 3 - Semester 2		
EGB211	Dynamics	
LSB231	Physiology	
Year 4 - S	Semester 1	
EGB214	Materials and Manufacturing	

Fluid Mechanics
Semester 2
Fundamentals of Mechanical Design
Research in Engineering Practice
Semester 1
BioDesign
Research Project 1
Stress Analysis
Biomaterials
Semester 2
Research Project 2
Biofluids
Modelling and Simulation for Medical Engineers
Biomechanics

- 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

Tear 4 demester 2		
Code	Title	
Year 1 Se	emester 1	
BSB110	Accounting	
BSB115	Management	
Year 1 Se	emester 2	
BSB111	Business Law and Ethics	
BSB123	Data Analysis	
Year 2 Se	emester 1	
AYB200	Financial Accounting	
AYB225	Management Accounting	
Year 2 Se	emester 2	
AYB221	Accounting Systems and Analytics	
BSB113	Economics	
Year 3 Se	emester 1	
EFB210	Finance 1	
BSB399	Real World Ready - Business Capstone	
Year 3 Se	emester 2	
AYB321	Strategic Management Accounting	
AYB340	Company Accounting	
Year 4 Se	emester 1	
AYB219	Taxation Law	
AYB230	Corporations Law	
Year 4 Se	emester 2	
AYB301	Audit and Assurance	
AYB311	Financial Accounting Issues	



- 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
- 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) commencement			
Year 1 Semester 1			
BSB113	Economics		
BSB126 Marketing			
Vear 1 Semester 2			

BSB110 Accounting BSB123 Data Analysis

Year 2 Semester 1 Advertising Theory and **AMB220**

Practice

BSB115 Management

Year 2 Semester 2

AMB200 Consumer Behaviour

Marketing and Audience AMB201 Analytics

Year 3 Semester 1

BSB111 Business Law and Ethics

BSB119 Global Business

Year 3 Semester 2

AMB318 | Advertising Copywriting

AMB319 Media Planning

Year 4 Semester 1

AMB320 Advertising Management

AMB330 Digital Portfolio

Year 4 Semester 2

AMB339 Advertising Campaigns

Real World Ready - Business BSB399 Capstone

Semester 2 (July) commencement

Year 1, Semester 2

BSB126 Marketing

BSB113 Economics

Year 2, Semester 1

BSB110 Accounting

BSB123 Data Analysis

Year 2, Semester 2

BSB119 Global Business

Advertising Theory and AMB220 Practice

Year 3, Semester 1

Marketing and Audience AMB201 Analytics

AMB200 Consumer Behaviour

Year 3, Semester 2

AMB318 Advertising Copywriting

AMB319 Media Planning

Year 4, Semester 1

AMB320 Advertising Management

AMB330 Digital Portfolio

Year 4, Semester 2

AMB339 Advertising Campaigns BSB111 Business Law and Ethics

Year 5, Semester 1

BSB115 Management

Real World Ready - Business BSB399 Capstone

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
- Semester 2 (February) 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
- **Applied Economics Unit Options**
- **Quantitative Economics Unit Options**

Code Title

Semester 1 (February) commencement

Year 1 Semester 1

BSB113 Economics

BSB123 Data Analysis

Year 1 Semester 2

BSB110 Accounting

EFB223 Economics 2

Year 2 Semester 1

EFB330 Intermediate Macroeconomics **EFB331** Intermediate Microeconomics

Year 2 Semester 2

BSB111 Business Law and Ethics

Choose an elective from the Applied **Economics or Quantitative Economics** Unit Option lists

Year 3 Semester 1

BSB115 Management

Choose an elective from the Applied **Economics or Quantitative Economics Unit Option lists**

Year 3 Semester 2

BSB119 Global Business

Choose an elective from the Applied **Economics or Quantitative Economics Unit Option lists**

Year 4 Semester 1

Real World Ready - Business BSB399 Capstone

Choose an elective from the Applied **Economics or Quantitative Economics** Unit Option lists

Year 4 Semester 2

Contemporary Application of **EFB338 Economic Theory**

BSB126 Marketing

Semester 2 (February) commencement

Year 1, Semester 2

BSB113 Economics

BSB123 Data Analysis

Year 2, Semester 1

BSB110 Accounting

EFB223 Economics 2

Year 2, Semester 2

EFB330 Intermediate Macroeconomics EFB331 Intermediate Microeconomics

Year 3, Semester 1

BSB111 Business Law and Ethics

Economics Option Unit

Year 3, Semester 2

BSB115 Management

Economics Option Unit

Year 4, Semester 1

BSB119 Global Business

Economics Option Unit

Year 4, Semester 2

Contemporary Application of EFB338 **Economic Theory**

Economics Option Unit

Year 5, Semester 1

BSB126 Marketing

Real World Ready - Business **BSB399** Capstone

Applied Economics Unit Options

EFB201 Financial Markets EFB225 Economics for the Real World

Environmental Economics and EFB226 Policy

EFB336 International Economics

Quantitative Economics Unit Options Introduction to Applied



EFB222

	Econometrics
EFB332	Applied Behavioural Economics
EFB333	Applied Econometrics
EFB337	Game Theory and Applications

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
- 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) commencement			
Year 1 Se	emester 1		
BSB113	Economics		
BSB115	Management		
Year 1 Se	emester 2		
EFB223	Economics 2		
BSB126	Marketing		
Year 2 Se	emester 1		
BSB110	Accounting		
BSB123	Data Analysis		
Year 2 Se	emester 2		
EFB201	Financial Markets		
EFB210	Finance 1		
Year 3 Se	emester 1		
BSB111	Business Law and Ethics		
EFB335	Investments		
Year 3 Se	emester 2		
EFB343	Corporate Finance		
FFB344	Risk Management and		

Year 4 Se	emes	t	е	r	1	

Real World Ready - Business **BSB399** Capstone

EFB312 International Finance

Derivatives

Year 4 Semester 2

BSB119 Global Business

EFB360 Finance Capstone

Semester 2 (July) commencement

Year 1, Semester 2

BSB113 Economics

BSB123 Data Analysis

Year 2,	Semester 1

EFB223 Economics 2

BSB126 Marketing Year 2, Semester 2

BSB110 Accounting **BSB115** Management

Year 3, Semester 1

EFB201 | Financial Markets

EFB210 Finance 1

Year 3, Semester 2

BSB111 **Business Law and Ethics**

EFB335 Investments

Year 4, Semester 1

EFB343 Corporate Finance

Risk Management and EFB344 Derivatives

Year 4, Semester 2

Real World Ready - Business BSB399 Capstone

EFB312 International Finance

Year 5, Semester 1

BSB119 Global Business

EFB360 Finance Capstone

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
- Semester 2 (July) 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

Code	Title
Semester	1 (February) commend

Year 1 Semester 1

cement

BSB111 Business Law and Ethics

BSB113 Economics

Year 1 Semester 2

BSB110 Accounting

EFB210 Finance 1

Year 2 Semester 1

BSB123 Data Analysis AYB219 Taxation Law

Year 2 Semester 2

BSB126 Marketing

BSB119 Global Business

Year 3 Semester		
AYB250	Personal	

Financial Planning

BSB115 Management

Year 3 Semester 2

Financial Services Regulation AYB232

Superannuation and AYB240 Retirement Planning

Year 4 Semester 1

Insurance, Risk Management **EFB227** and Estate Planning

Managing Investments and **EFB345** Client Relationships

Year 4 Semester 2

Real World Ready - Business BSB399 Capstone

Financial Plan Construction AYB346 (Capstone)

Semester 2 (July) commencement

Year 1 Semester 1

BSB111 Business Law and Ethics

BSB113 Economics

Year 1 Semester 2

BSB110 Accounting

EFB210 Finance 1

Year 2 Semester 1

MGB22 Entrepreneurship

AYB219 Taxation Law

Year 2 Semester 2

BSB126 Marketing

AYB250 Personal Financial Planning

Year 3 Semester 1

Superannuation and AYB240 Retirement Planning

BSB115 Management

Year 3 Semester 2

Insurance, Risk Management **EFB227** and Estate Planning

BSB119 Global Business

Year 4 Semester 1

Financial Services Regulation AYB232 and Law

Financial Plan Construction AYB346 (Capstone)

Year 4 Semester 2

Managing Investments and **EFB345** Client Relationships

Real World Ready - Business **BSB399** Capstone

- 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>Year 4 Semester 2</u>				
Code Title				
Year 1 Se	emester 1			
BSB113	Economics			
BSB115	Management			
Year 1 Se	emester 2			
BSB111	Business Law and Ethics			
BSB119	Global Business			
Year 2 Se	emester 1			
MGB20 0	Managing People			
BSB123	Data Analysis			
Year 2 Se	emester 2			
MGB21 4	Introducing People Management and Analytics			
BSB110	Accounting			
Year 3 Se	emester 1			
MGB22 9	Obligations and Options for Employing People			
MGB23 0	Recruiting and Selecting People			
Year 3 Se	emester 2			
MGB33	Developing People			
BSB126	Marketing			
Year 4 Se	emester 1			
MGB33 9	Managing Performance and Rewards			
MGB37	Creating Value through People			
Year 4 Se	emester 2			
BSB399	Real World Ready - Business Capstone			
Choose of	one of the following			
MGB30 6	Independent Study			
MGB31 0	Managing Sustainable Change			
MGB33	Workplace Learning			

Semes	sters

8

- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1Year 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
BSB113	Economics
BSB115	Management
Year 1 Se	emester 2
BSB111	Business Law and Ethics

Workplace Learning

BSB119 Global Business

Year 2 Semester 1

BSB123 Data Analysis MGB20 Managing People 0

Year 2 Semester 2

Introducing People Management and Analytics BSB110 Accounting

In 2019, unit MGB207 Human Resource Issues and Strategy is replaced by MGB214.

Year 3 Semester 1

MGB22	Human Resource Decision
0	Making
MGB33 1	Developing People

In 2019, unit MGB220 Human Resource Decision Making is discontinued. Seek enrolment assistance from QUT **Business Student Support** (bus@qut.edu.au)

Year 3 Semester 2

MGB22	Obligations and Options for
9	Employing People
BSB126	Marketing

In 2019, unit MGB201 Contemporary Employment Relations is replaced by MGB229

Year 4 Semester 1

BSB399	Real World Ready - Business Capstone
MGB33 9	Managing Performance and Rewards

Year 4 Semester 2

MGB23 0	Recruiting and Selecting People
MGB37 2	Creating Value through People
In 2019 unit MGB320 Recruitment an	

Selection is replaced by MGB230 and MGB370 Personal and Professional Development is replaced by MGB372.

- 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
- 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	
Semeste	r 1 (February) commencement	
Year 1 S	emester 1	
BSB119	Global Business	
BSB126	Marketing	
Year 1 S	emester 2	
BSB110	Accounting	
BSB115		
Year 2 So	emester 1	
BSB113	Economics	
MGB22 5	Intercultural Communication and Negotiation Skills	
	emester 2	
	Business Law and Ethics	
BSB123	, ,	
	emester 1	
MGB34 0	International Business in the Asia-Pacific	
AYB227	International Accounting	
Year 3 S	emester 2	
AMB210	1 3 1 3	
EFB240	Finance for International Business	
Year 4 So	emester 1	
AMB303	International Logistics	
AMB336	International Marketing	
Year 4 Semester 2		
AMB369	International Business Strategy	
BSB399	Real World Ready - Business Capstone	
Semeste	r 2 (July) commencement	
	Semester 2	
BSB119	Global Business	
BSB126	Marketing	
Year 2, S	semester 1	
BSB110	Accounting	
BSB123	Data Analysis	
Year 2, S	emester 2	
BSB113	Economics	
BSB115	Management	
Year 3, S	emester 1	
AYB227	International Accounting	
MGB22 5	Intercultural Communication and Negotiation Skills	
Year 3, S	emester 2	
AMB210	Importing and Exporting	
EFB240	Finance for International Business	
Year 4. S	Semester 1	
AMB303	International Logistics	
AMB336	International Marketing	





Year 4, Semester 2		
MGB34 0	International Business in the Asia-Pacific	
AMB369	International Business Strategy	
Year 5, Semester 1		
BSB399	Real World Ready - Business Capstone	
BSB111	Business Law and Ethics	

Semesters

- Semester 1 (February) commencment
- 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) 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

Year 3 Semester 2

MGB22

MGB33

5

Code	Title	
Semester 1 (February) commencmer		
Year 1 Semester 1		
BSB113	Economics	
BSB115	Management	
Year 1 Semester 2		
BSB111	Business Law and Ethics	
BSB126	Marketing	
Year 2 Se	emester 1	
BSB110	Accounting	
BSB119 Global Business		
Year 2 Semester 2		
MGB20 0	Managing People	
BSB123	Data Analysis	
Year 3 Semester 1		
MGB22 6	Innovation, Knowledge and Creativity	
If you are stream:	completing the Management	
MGB21 0	Managing Operations	
,	completing the neurship stream:	
MGB20 1	Contemporary Employment Relations	

Intercultural Communication

and Negotiation Skills

Managing Projects

rgineerin	g (Honours)	
5		
MGB32	Managing Dusings Croudh	
4	Managing Business Growth	
Year 4 Se	emester 1	
BSB399	Real World Ready - Business Capstone	
MGB34	Managing Risk	
Year 4 Se	emester 2	
MGB30	Managing Stratagically	
9	Managing Strategically	
MGB31 0	Managing Sustainable Change	
MGB33 8	Workplace Learning	
Semeste	r 2 (July) commencement	
Year 1, S	emester 2	
BSB115	Management	
BSB119	Global Business	
Year 2, S	emester 1	
BSB113	Economics	
BSB126	Marketing	
Year 2. S	emester 2	
BSB111	Business Law and Ethics	
BSB110	Accounting	
	emester 1	
MGB20	emester i	
0	Managing People	
MGB22 5	Intercultural Communication and Negotiation Skills	
	emester 2	
MGB22 6	Innovation, Knowledge and Creativity	
BSB123	Data Analysis	
Year 4, S	emester 1	
MGB34 1	Managing Risk	
If you are stream:	completing a management	
MGB21	Managing Operations	
If you are	completing an neurship stream:	
MGB20	Contemporary Employment Relations	
-		
Year 4, Semester 2 MGB30		
9	Managing Strategically	
stream:	completing a management	
MGB33 5	Managing Projects	
-	completing an neurship stream:	
MGB32 4	Managing Business Growth	
Year <u>5, S</u>	emester 1	

BSB399	Real World Ready - Business Capstone	
Choose one of the following:		
MGB31 0	Managing Sustainable Change	
MGB33 8	Workplace Learning	

- Semester 1 (February) commencement
- Year 1 Semester 1
- Year 1 Semester 2Year 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) commencement
- Year 1, Semester 2
- Year 2, Semester 1Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1 Year 4, Semester 2
- Year 5, Semester 1

Teal 5, Semester 1			
Code	Title		
Semeste	1 (February) commencement		
Year 1 Semester 1			
BSB113	Economics		
BSB126	Marketing		
Year 1 Semester 2			
BSB111	Business Law and Ethics		
BSB115	Management		
Year 2 Se	emester 1		
BSB123	Data Analysis		
BSB119	Global Business		
Year 2 Se	emester 2		
AMB201	Marketing and Audience Analytics		
AMB200 Consumer Behaviour			
Year 3 Semester 1			
AMB202	Integrated Marketing Communication		
AMB240	Marketing Planning and Management		
Year 3 Se	emester 2		
BSB110	Accounting		
AMB336	International Marketing		
Year 4 Semester 1			
Year 4 Se	emester 1		
	emester 1 Digital Portfolio		
AMB330 AMB340	Digital Portfolio		
AMB330 AMB340	Digital Portfolio Services Marketing		
AMB330 AMB340 Year 4 Se	Digital Portfolio Services Marketing emester 2 Real World Ready - Business		



Voor 1 S	emester 2	
BSB113		
PSB126 Marketing Year 2, Semester 1		
BSB111	Business Law and Ethics	
BSB123	Data Analysis	
Year 2, S	emester 2	
BSB110	Accounting	
AMB200	Consumer Behaviour	
Year 3, S	emester 1	
AMB201	Marketing and Audience Analytics	
AMB240	Marketing Planning and Management	
Year 3, Semester 2		
AMB202	Integrated Marketing	
AIVIDZUZ	Communication	
BSB119	Communication Global Business	
BSB119	001111111111111111111111111111111111111	
BSB119 Year 4, S	Global Business	
BSB119 Year 4, S	Global Business emester 1	
BSB119 Year 4, S AMB330 AMB340	Global Business emester 1 Digital Portfolio	
BSB119 Year 4, S AMB330 AMB340	Global Business emester 1 Digital Portfolio Services Marketing emester 2	
BSB119 Year 4, S AMB330 AMB340 Year 4, S	Global Business emester 1 Digital Portfolio Services Marketing emester 2	
BSB119 Year 4, S AMB330 AMB340 Year 4, S BSB115 AMB336	Global Business emester 1 Digital Portfolio Services Marketing emester 2 Management	
BSB119 Year 4, S AMB330 AMB340 Year 4, S BSB115 AMB336	Global Business emester 1 Digital Portfolio Services Marketing emester 2 Management International Marketing	

- 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
- 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, Semeter 2Year 5, Semester 1

Code	Code Title	
Semester 1 (February) commencement		
Year 1 Semester 1		
BSB119	Global Business	
BSB126	BB126 Marketing	
Year 1 Semester 2		
BSB110	Accounting	
BSB115	15 Management	
Year 2 Semester 1		
AMB263	Introduction to Public	

igineenn	g (Honours)
	Relations
AMB264	Public Relations Techniques
Year 2 Se	·
	Marketing and Audience
AMB201	Analytics
BSB111	Business Law and Ethics
Year 3 Se	
AMB373	Issues, Stakeholders and Reputation
AMB372	Public Relations Planning
Year 3 Se	emester 2
BSB113	Economics
BSB123	Data Analysis
Year 4 Se	emester 1
AMB374	Global Public Relations Cases
BSB399	Real World Ready - Business Capstone
Year 4 Se	·
AMB375	Internal Communication and Change
AMB379	Public Relations Campaigns
Semester	2 (July) commencement
Year 1, S	emester 2
BSB119	Global Business
BSB126	Marketing
Year 2, S	emester 1
BSB110	Accounting
BSB123	Data Analysis
Year 2, S	emester 2
BSB113	Economics
AMB201	Marketing and Audience Analytics
Year 3, S	emester 1
AMB263	Introduction to Public Relations
AMB264	Public Relations Techniques
Year 3, S	emester 2
AMB372	Public Relations Planning
BSB115	Management
Year 4, S	emester 1
AMB373	Issues, Stakeholders and Reputation
AMB374	Global Public Relations Cases
Year 4, S	emeter 2
AMB375	Internal Communication and Change
AMB379	Public Relations Campaigns
Year 5, S	emester 1
BSB399	Real World Ready - Business Capstone
BSB111	Business Law and Ethics





Bachelor of Fine Arts (Interactive and Visual Design)/Bachelor of Information Technology

Year	2020
QUT code	IX69
CRICOS	064812A
Duration (full-time)	4 years
ОР	11
Rank	76
Offer Guarantee	Yes
Campus	Gardens Point, Kelvin Grove
International fee (indicative)	2018: \$29,600 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	Program Director, School of Design (Creative Industries); SEF Enquiry (Information Technology); ph: +61 7 3138 8822; email: sef.enquiry@qut.edu.au
Discipline Coordinator	Dr Anastasia Tyurina (Interactive and Visual Design); Dr Wayn Kelly (Computer Science) and Dr Erwin Fielt (Information Systems). IVD: +61 7 3138 2000; IT: +61 7 3138 8822 askqut@qut.edu.au (Interactive and Visual Design); sef.enquiry@qut.edu.au (Information Technology)

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)

We assume that you have knowledge equivalent to four semesters at high school level (Years 11 and 12) with sound achievement (4, SA) of English and one of the following: Maths A, Maths B or Maths C.

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

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

Professional Recognition

This course is accredited by the Australian Computer Society (ACS). ACS accreditation is internationally recognised by the Seoul Accord.

Career Outcomes

This double degree will set you up for a career in the rapidly expanding fields of contemporary communication and the application of new media technologies.

Course Structure

This course is made up of 384 credit points. Each component (i.e. Information Technology, and Interactive and Visual Design) comprises 192 credit points.

Study Areas

The Bachelor of Information Technology will not have nominated majors and

minors and consequently there will not be a Study Area A shown on a graduate's parchment. Instead, it will have specialisations. The specialisation areas that will be available for students will include:

- Business Process Management
- · Data Warehousing
- Digital Environments
- Enterprise Systems
- Information Management
- Network Systems
- Software Engineering
- Web Technologies

Pathways to Further Studies

In 2001, an accelerated Honours program was introduced to increase the number of Bachelor of Information Technology students continuing their studies to complete the Honours year. The program allowed selected high achieving students the opportunity to undertake one postgraduate unit in the final semester of their a BIT degree (or double degree) which would be counted both for completion of the degree and towards the Honours program. The program also provided students with the opportunity to commence their Honours studies over the Summer Semester.

An alternative to the Honours program is the Master of Information Technology (Research). Students who complete a BIT degree (or double degree) with a grade point average equal to, or greater than 5 (7 point scale) and who have decided against enrolling in an Honours program, could undertake this course. In addition, students may wish to enrol in the redesigned postgraduate coursework Masters which has ten specialisations allowing students to either extend their area of interest or specialise in other areas at the Masters level.

Alternatively, on successful completion of this course you will be eligible to apply for entry into the Bachelor of Fine Arts (Honours), provided you have met entry requirements.

Cooperative Education

The Faculty of Science and Engineering's Cooperative Education Program gives you the opportunity of 10-12 months paid industry placement during your course where you can integrate real experience with what you're learning in your degree. Companies that QUT's Coop Ed students have worked with include Energex, Boeing, CITEC, CSC Mining, Environmental Protection Agency, Dialog,



Bachelor of Fine Arts (Interactive and Visual Design)/Bachelor of Information Technology

UNITAB, RACQ and many Queensland Government departments. The Coop Ed Program is available to Australian citizens and permanent residents only.

Find out more about the Cooperative Education Program.

Domestic Course structure

This course is made up of 384 credit points. Each component (i.e. Information Technology, and Interactive and Visual Design) comprises 192 credit points.

Study areas

The Bachelor of Information Technology has majors in information systems and computer science. The major study area will be shown on a graduate's parchment.

Study overseas

Study overseas while gaining 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. For more information, visit QUT student exchange.

International Course structure **Course Structure**

This course is made up of 384 credit points. Each component (i.e. Information Technology, and Interactive and Visual Design) comprises 192 credit points.

Study Areas

The Bachelor of Information Technology has majors in Information Systems and Computer Sciencethe Major Study Area A will be shown on a graduate's parchment.

Study Overseas

Study overseas while gaining 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. For more information, visit QUT student 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
- Year 4, Semester 1
- Year 4, Semester 2

Code	Title
Year 1, S	emester 1
IFB101	Impact of IT
IFB102	Introduction to Computer Systems
DXB101	Design and Creative Thinking
DXB102	Visual Communication
V4 0	

DXB102	Visual Communication
Year 1, Semester 2	
IFB130	Database Management
IFB104	Building IT Systems
DXB201	Visual Interactions
DXB203	Introduction to Web Design
Note: Students considering studying	

overseas in Year 2 Semester 2 must apply by 1 November.

Year 2, Semester 1	
IT Core Unit Option	
IFB103	IT Systems Design
DXB403	Design for Interactive Media
KNB126	Motion Design
Year 2, Semester 2	

IT Major Unit	
IT Major Unit	
DXB202	Image Production
KNB136	Visual Storytelling: Production

	Design
Year 3, Semester 1	
IT Major Unit	
IT Major Unit	
DVB201	Typographic Design

DXB301 Interface Design

Year 3, Semester 2	
IT Major	Unit
IT Major Unit	
DVB203	Theories and Methods of Visual Communication

DVB203	Theories and Methods of Visual Communication
DXB401	Advanced Web Design
Year 4, Semester 1	

IT Major l	Jnit
IT Major l	Jnit
DXH702	Contemporary Issues in IVD
SEMESTER 1 UNIT OPTIONS	

One unit from the Semester 1 Unit Options (DXB212 or DVB302):

DVB302	Data Visualisation and Information Design

DXB212 | Tangible Media

*Note: DXB212 Tangible Media will be offered in semesters 1 and 2 in 2020 and semester 2 only from 2021 onwards.

Year 4, S	emester 2
IT Major l	Jnit
IT Major l	Jnit
DXH803	Professional Practice for

	Designers
SEMESTER 2 UNIT OPTIONS	
One unit from the Semester 2 Unit Options (DXH601 or DXH602):	
DXH601	Integrated Experience Design
DXH602	Embodied Interactions





Bachelor of Science/Bachelor of Laws (Honours)

Year	2020
QUT code	IX80
CRICOS	083029M
Duration (full-time)	5.5 years
ОР	7
Rank	87
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$10,500 per year full-time (96 credit points)
International fee (indicative)	2020: \$35,400 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); ph: +61 7 3138 8822; email: sef.enquiry@qut.edu.au; Law: Director of Undergraduate Programs; email: law_enquiries@qut.edu.a u
Discipline Coordinator	Dr Marion Bateson (Biological Science); Aspro Tim Dargaville (Chemistry); Dr Luke Nothdurft (Earth Science); Dr Andrew Baker (Environmental Science); and Aspro Jamie Trapp (Physics); Law: Director of Undergraduate Programs Science: +61 7 3138 8822; Law: +61 7 3138 2707 Science: sef.enquiry@qut.edu.au; Law: law_enquiries@qut.edu.a

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)

Recommended Study: At least one of Chemistry, Physics, Biology, Geography, Earth Science or Maths C. We assume that you have knowledge equivalent to four semesters at high school level (Years 11 and 12) with sound achievement (4, SA).

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies. Recommended Study: At least one of Chemistry, Physics, Biology, Geography, Earth Science or Maths C.

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

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



Bachelor of Science/Bachelor of Laws (Honours)

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.

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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)
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Law, technology and innovation minor units

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96 credit points of the following honours units will be used to determine the honours levels of the LLB (Hons):

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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

Law Elective Information*

Code Title Year 1 Semester 1



Bachel	or of Science/Bachelor of La
LLB101	Introduction to Law
LLB102	Torts
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 1 Se	emester 2
LLB106	Criminal Law
LLB107	Statutory Interpretation
Science (Core Unit Option
Earth Sci	Major Option Unit (for Biology, ence, Environmental Science) 00 (Chemistry and Physics)
	9, LLB107 Statutory
	ition replaces LLB105 Legal
	and Communication
Year 2 Se	
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
Introducto Law elect	ory Law Elective unit or General ive unit
Science N	Major Unit
Science N	Major Unit
Year 3 Se	emester 1
LLB202	Contract Law
LLB203	Constitutional Law
Science N	Major Unit
	Major Unit
Year 3 Se	•
	Commercial and Personal
LLB204	Property Law
LLB205	Equity and Trusts
Science M	Major Unit
Science N	Major Unit
Year 4 Se	emester 1
LLB301	Real Property Law
General L	aw Elective unit*
Science N	Major Unit
Science N	Major Unit
Year 4 Se	emester 2
LLB303	Evidence
LLH206	Administrative Law
Science N	Major Unit
	Major Unit
Year 5 Se	•
LLH302	Ethics and the Legal Profession
LLB304	Commercial Remedies
Consest	avy Clasting on Nam Jaw

V	vs (Hono	urs)
	Elective of	or Minor Unit*
	Year 5 Se	emester 2
	LLB306	Civil Procedure
	LLH305	Corporate Law
		aw Elective or Non-law
		or Minor Unit*
	Elective of	.aw Elective or Non-law or Minor Unit*
	Year 6 Se	emester 1
		Legal Research Capstone
	Advanced	Law Elective unit
		Law Elective unit
	Law Elec	tive Information*
	law electi	ents may complete up to 4 nonves or a university wide minor of 4 of general law electives.
	Innovation place of 4	9 students may select the Law, n and Technology Minor in general law electives provided enough units to do so
	Semeste	ars
	Year	r 1, Semester 2
	Yea	r 2, Semester 1
	• <u>Yea</u>	r 2, Semester 2 r 3, Semester 1
	 Yea 	<u>r 3, Semester 2</u>
	 Yea 	r 4, Semester 1
		r <u>4, Semester 2</u> r <u>5, Semester 1</u>
		r 5, Semester 2
		r 6, Semester 1
		r <u>6, Semester 2</u> v Elective Information
	Code	Title
	Year 1, S	emester 2

Lav	V Liective information	
Code	Title	
Year 1, S	emester 2	
LLB101	Introduction to Law	
LLB102	1	
Year 2, S	emester 1	
LLB103	Dispute Resolution	
LLB104	Contemporary Law and Justice	
Year 2, S	emester 2	
LLB106	Criminal Law	
LLB107	Statutory Interpretation	
From 2019, LLB107 Statutory Interpretation replaces LLB105 Legal Problems and Communication		
Year 3, S	emester 1	
LLB202	Contract Law	
LLH201	Legal Research	
Year 3, S	semester 2	
LLB204	Commercial and Personal Property Law	
Introductory Law Elective unit or Genera Law Elective		
Year 4, S	emester 1	
LLB203	Constitutional Law	
General I	_aw Elective unit	

Year 4, S	emester 2		
LLB205	Equity and Trusts		
LLH206	Administrative Law		
Year 5, Semester 1			
LLB301	Real Property Law		
General Law Elective or Non-law Elective or Minor Unit*			
Year 5, S	emester 2		
LLB303	Evidence		
LLB306	Civil Procedure		
LLH305	Corporate Law		
General Law Elective or Non-law Elective or Minor Unit*			
Year 6, S	emester 1		
LLB304	Commercial Remedies		
LLH302	Ethics and the Legal Profession		
General Law Elective or Non-law Elective or Minor Unit*			

Elective or Minor Unit* Year 6, Semester 2

LLH401 Legal Research Capstone

General Law Elective or Non-law

Advanced Law Elective unit

Advanced Law Elective unit

*Law Elective Information

Law students may complete up to 4 nonlaw 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 2Year 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		
Year 1, Semester 1			
SEB115	Experimental Science 1		
SEB116	Experimental Science 2		
Year 1, Semester 2			
Science Core Unit Option			
Science Core Unit Option			
Colciloc (Sole offic option		
	emester 1		
Year 2, S	•		
Year 2, S	emester 1		
Year 2, S SEB104 SEB113	emester 1 Grand Challenges in Science Quantitative Methods in		
Year 2, S SEB104 SEB113 Year 2, S	emester 1 Grand Challenges in Science Quantitative Methods in Science		



General Law Elective or Non-law

General Law Elective or Non-law

Elective or Minor Unit*

Bachelor of Science/Bachelor of Laws (Honours)

Year 3, Semester 1		
real 3, 3	emester i	
BVB201	Biological Processes	
BVB202	Experimental Design and Quantitative Methods	
Year 3, S	emester 2	
BVB203	Plant Biology	
BVB204	Ecology	
Year 4, Semester 1		
Year 4, S	emester 1	
· · · · · · · · · · · · · · · · · · ·	emester 1 Animal Biology	
· · · · · · · · · · · · · · · · · · ·		
BVB301 BVB305	Animal Biology Microbiology and the	
BVB301 BVB305 Year 4, S	Animal Biology Microbiology and the Environment	
BVB301 BVB305 Year 4, S	Animal Biology Microbiology and the Environment emester 2 Applied Biology	

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
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 1, S	emester 2
Science (Core Unit Option
Science (Core Unit Option
Year 2, S	emester 1
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
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

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

• `	Vaar	2	Sam	nester	-1

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

Code	Title	
Year 1, S	emester 1	
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
Year 1, S	emester 2	
Science (Core Unit Option	
	Core Unit Option	
Year 2, S	emester 1	
SEB104		
SEB113	Quantitative Methods in Science	
	emester 2	
ERB101	Earth Systems	
ERB102	Evolving Earth	
Year 3, S	emester 1	
ERB201	Destructive Earth: Natural Hazards	
ERB202	Marine Geoscience	
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, Semester 2		
ERB303	Energy Resources and Basin Analysis	
ERB304	Dynamic Earth: Plate Tectonics	

- 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 Core Unit Option		
Year 2, Semester 1		
SEB104 Grand Challenges in Science		

SEB113	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	
EVB201	Global Environmental Issues	
Year 3, Semester 2		
BVB204	Ecology	
[EVB301	replaced by BVB204 in 2017]	
EVB203	Geospatial Information Science	
Year 4, S	emester 1	
EVB302	Environmental Pollution	
EVB312	Soils and the Environment	
[EVB212	replaced by EVB312 in 2017]	
Year 4, S	emester 2	
ERB310	Groundwater Systems	
[ENB380	replaced by ERB310 in 2017]	
EVB304	Case Studies in Environmental Science	

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		
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
Year 1, S	emester 2	
Science Core Unit Option		
Science Core Unit Option		
Year 2, Semester 1		
SEB104	Grand Challenges in Science	
SEB113	Quantitative Methods in Science	
Year 2, Semester 2		
PVB101	Physics of the Very Large	
PVB102	Physics of the Very Small	
Year 3, Semester 1		
PVB200	Computational and Mathematical Physics	
PVB203	Experimental Physics	
[PVB201 replaced by PVB200 in 2015.]		



Physics

PVB204 Electromagnetism

Mathematical Methods in

Year 3, Semester 2

PVB202

Bachelor of Science/Bachelor of Laws (Honours)

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	

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.

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 QUT Virtual.

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	

LLB444	Real Estate Transactions
LLB447	International Arbitration
LLB460	Competition Moots A
LLB461	Competition Moots B
LLB463	Legal Clinic (Organised Program)
LLB464	International Legal Placement
LLB464 was previously titled Legal Clinic (International)	

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
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
LLH479 Available to students interested in Higher Degree Research	

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
LLB341	Artificial Intelligence, Robots and the Law

LLB345 Regulating the Internet





Bachelor of Information Technology/Bachelor of Laws (Honours)

Year	2020
QUT code	IX87
CRICOS	083025D
Duration (full-time)	5.5 years
ОР	7
Rank	87
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$10,400 per year full-time (96 credit points)
International fee (indicative)	2020: \$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	SEF Enquiry (Information Technology); ph: 61 7 3138 8822; email: sef.enquiry@qut.edu.au; Law: Director of Undergraduate Programs email: law_enquiries@qut.edu.a u
Discipline Coordinator	IT: Dr Wayne Kelly (Computer Science); and Dr Erwin Fielt (Information Systems); Law: Director of Undergraduate Programs IT: +61 7 3138 8822; Law: +61 7 3138 2707 IT: sef.enquiry@qut.edu.au; Law: law_enquiries@qut.edu.a

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)

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:

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

Testing System)	English Language
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.



Bachelor of Information Technology/Bachelor of Laws (Honours)

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 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

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- 2. (b) 120 credit points (10 units) of Major Core units

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The Bachelor of Information Technology
Core Unit Options List comprises a range
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*Students commencing from 2019 may select a general law elective in place of the introductory law elective

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Honours-level units

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- Administrative Law (LLH206)
- Ethics and the Legal Profession (LLH302)
- Corporate Law (LLH305)
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- two 12-credit point Advanced Law Electives

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of units from which you choose to
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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



Bachelor of Information Technology

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

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 2Year 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
- **Law Elective Information**

Code	Title	
Year 1, Semester 1		
IFB102	Introduction to Computer Systems	
IFB103	IT Systems Design	
LLB101	Introduction to Law	
LLB102	Torts	
Year 1, S	emester 2	
IFB104	Building IT Systems	
IFB105	Database Management	
LLB106	Criminal Law	
LLB107	Statutory Interpretation	
From 2019, LLB107 Statutory Interpretation replaces LLB105 Legal Problems and Communication		
Year 2, Semester 1		
IT Core Unit Option		
IT Core Unit Option		
LLB103	Dispute Resolution	
LLB104	Contemporary Law and Justice	
Year 2, Semester 2		
IT Major Unit		
IT Major Unit		

Introductory Law Elective unit of General

y/	//Bachelor of Laws (Honours)		
	Law Elective unit		
	LLH201	Legal Research	
Year 3, Semester 1			
IT Major Unit			
	IT Major Unit		
	LLB202	Contract Law	
	LLB203	Constitutional Law	
	Year 3, S	emester 2	
	IT Major	Unit	
IT Major Unit			
	LLB204	Commercial and Personal Property Law	
	LLB205	Equity and Trusts	
	Year 4, Semester 1		
	IT Major Unit		
	IT Major Unit		
	LLB301	Real Property Law	
	General L	_aw Elective unit	

Year 4, Semester 2 IT Major Unit

IT Major Unit

LLB303 Evidence

LLH206 Administrative Law

Year 5, Semester 1

LLB304 Commercial Remedies Ethics and the Legal LLH302 Profession

General Law Elective or Non-law Elective or University-wide Minor Unit

General Law Elective or Non-law Elective or University-wide Minor Unit

Year 5, Semester 2

LLB306 Civil Procedure LLH305 | Corporate Law

General Law Elective or Non-law Elective or University-wide Minor Unit

General Law Elective or Non-law Elective or University-wide Minor Unit

Year 6, Semester 1

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 comprised of 4 units in place of the equivalent number of general law electives.

- 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 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	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	Init Option		
IT Core U	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, 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		
	2 (July) commencements		
Year 1, S	emester 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		
CAB201	Programming Principles		
	Init Option		
Year 3, S	emester 1		





Bachelor of Information Technology/Bachelor of Laws (Honours)

Daorioi		
CAB202	Microprocessors and Digital	
CAB301	Systems Algorithms and Complexity	
Year 3, S	emester 2	
CAB303	Networks	
IFB295	IT Project Management	
Year 4, Semester 1		
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, S	emester 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
- 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, S	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		
IAB201	Modelling Techniques for	

Rapid Web Application Development Year 3, Semester 1 IAB203 Business Process Modelling Business Requirements Analysis Year 3, Semester 2 IAB305 Information Systems Lifecycle Management IT Project Management Year 4, Semester 1 IFB398 Capstone Project (Phase 1) Select one of: IAB206 Modern Data Management IAB260 Social Technologies IAB303 Data Analytics for Business Insight IAB300 Business Process Improvement IAB402 Information Systems Consulting Year 4, Semester 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, Semester 1 IFB104 Building IT Systems IFB105 Database Management Year 2, Semester 2 IAB201 Modelling Techniques for Information Systems IT Core Unit Option Year 3, Semester 1 IAB204 Rapid Web Application Development Year 3, Semester 2 IAB305 Information Systems Lifecycle Management IT Core Unit Option		Information Systems	
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IAB203 Business Process Modelling IAB204 Business Requirements Analysis Year 3, 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 IAB303 Data Analytics for Business Insight IAB320 Business Process Improvement IAB402 Information Systems Consulting Year 4, Semester 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, Semester 1 IFB104 Building IT Systems IFB105 Database Management Year 2, Semester 2 IAB201 Modelling Techniques for Information Systems IT Core Unit Option Year 3, Semester 1 IAB204 Business Requirements Analysis IAB207 Rapid Web Application Development Year 3, Semester 2 IAB305 Information Systems Lifecycle Management	Development		
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Analysis Year 3, Semester 2 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 IAB303 Data Analytics for Business Insight IAB320 Business Process Improvement IAB402 Information Systems Consulting Year 4, Semester 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, Semester 1 IFB104 Building IT Systems IFB105 Database Management Year 2, Semester 2 IAB201 Modelling Techniques for Information Systems IT Core Unit Option Year 3, Semester 1 IAB204 Business Requirements Analysis IAB207 Rapid Web Application Development Year 3, Semester 2 IAB305 Information Systems Lifecycle Management	IAB203		
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IAB303 Data Analytics for Business Insight IAB320 Business Process Improvement IAB402 Information Systems Consulting Year 4, Semester 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, Semester 1 IFB104 Building IT Systems IFB105 Database Management Year 2, Semester 2 IAB201 Modelling Techniques for Information Systems IT Core Unit Option Year 3, Semester 1 IAB204 Business Requirements Analysis IAB207 Rapid Web Application Development Year 3, Semester 2 IAB305 Information Systems Lifecycle Management	IAB260	-	
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Systems IFB103 IT Systems Design Year 2, Semester 1 IFB104 Building IT Systems IFB105 Database Management Year 2, Semester 2 IAB201 Modelling Techniques for Information Systems IT Core Unit Option Year 3, Semester 1 IAB204 Business Requirements Analysis IAB207 Rapid Web Application Development Year 3, Semester 2 IAB305 Information Systems Lifecycle Management	Year 1, S	Semester 2	
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IFB104 Building IT Systems IFB105 Database Management Year 2, Semester 2 IAB201 Modelling Techniques for Information Systems IT Core Unit Option Year 3, Semester 1 IAB204 Business Requirements Analysis IAB207 Rapid Web Application Development Year 3, Semester 2 IAB305 Information Systems Lifecycle Management	IFB103	IT Systems Design	
IFB104 Building IT Systems IFB105 Database Management Year 2, Semester 2 IAB201 Modelling Techniques for Information Systems IT Core Unit Option Year 3, Semester 1 IAB204 Business Requirements Analysis IAB207 Rapid Web Application Development Year 3, Semester 2 IAB305 Information Systems Lifecycle Management	Year 2, S	Semester 1	
IFB105 Database Management Year 2, Semester 2 IAB201 Modelling Techniques for Information Systems IT Core Unit Option Year 3, Semester 1 IAB204 Business Requirements Analysis IAB207 Rapid Web Application Development Year 3, Semester 2 IAB305 Information Systems Lifecycle Management			
Year 2, Semester 2 IAB201		* .	
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IT Core Unit Option Year 3, Semester 1 IAB204 Business Requirements Analysis IAB207 Rapid Web Application Development Year 3, Semester 2 IAB305 Information Systems Lifecycle Management		Modelling Techniques for	
IAB204 Business Requirements Analysis IAB207 Rapid Web Application Development Year 3, Semester 2 IAB305 Information Systems Lifecycle Management	IT Core L	-	
IAB204 Business Requirements Analysis IAB207 Rapid Web Application Development Year 3, Semester 2 IAB305 Information Systems Lifecycle Management	·		
Analysis IAB207 Rapid Web Application Development Year 3, Semester 2 IAB305 Information Systems Lifecycle Management			
Development Year 3, Semester 2 IAB305 Information Systems Lifecycle Management	IAB204	Analysis	
IAB305 Information Systems Lifecycle Management		Development	
Management	Year 3, S	Semester 2	
-	IAB305	-	
	IT Core U	Jnit Option	

IAB206	Modern Data Management
IAB260	Social Technologies
IAB303	Data Analytics for Business Insight
IAB320	Business Process Improvement
IAB402	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 QUT Virtual.

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 QUT Virtual.

Conoral	Law Electives List	
Code		
Code		
LLB241	Discrimination and Equal Opportunity Law	
LLB242	Media I aw	
	mount and	
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	



Year 4, Semester 1

Year 4, Semester 2

Year 5, Semester 1

Select ONE of:

Business Process Modelling

Capstone Project (Phase 1)

Capstone Project (Phase 2)

IT Project Management

Enterprise Architecture

IAB203

IFB295

IAB401 IFB398

IFB399

Bachelor of Information Technology/Bachelor of Laws (Honours)

LLB444	Real Estate Transactions	
LLB447	International Arbitration	
LLB460	Competition Moots A	
LLB461	Competition Moots B	
LLB463	Legal Clinic (Organised Program)	
LLB464 International Legal Placement		
LLB464 was previously titled Legal Clinic (International)		

Clinic (International)

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

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.

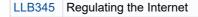
My Community on your blackboard homepage for unit offerings to determine

which units will be available.

Advanced Law Electives		
Code	Title	
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	
LLH479 Available to students interested in Higher Degree Research		

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	
LLB341	Artificial Intelligence, Robots and the Law	







Bachelor of Business/Bachelor of Games and Interactive Environments

Year	2020
QUT code	IX93
CRICOS	092651C
Duration (full-time)	4 years
ОР	10
Rank	79
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$10,400 per year full-time (96 credit points)
International fee (indicative)	2020: \$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; email:askqut@qut.edu.au; ph: +61 7 3138 2000; or Associate Professor Ross Brown (Games and Interactive Environment); email: sef.enquiry@qut.edu.au; ph: +61 7 3138 8822
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)

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:

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

TELTS (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 accountancy 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 accountancy 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.



Bachelor of Business/Bachelor of Games and Interactive Environments

Sample Structure **Semesters**

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1Year 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 Co	re Unit
Business School Co	re Unit
BGIE Core Unit	
BGIE Core Unit	

Year 1	1, 8	Sem	est	er	2
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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

- 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			
BSB110	Accounting		
BSB115	Management		
Year 1 Se	emester 2		
BSB123	Data Analysis		
BSB126	Marketing		
Year 2 Se	emester 1		
BSB111	Business Law and Ethics		
BSB113	Economics		
Year 2 Se	emester 2		
AYB200	Financial Accounting		
AYB225	Management Accounting		
Year 3 Se	emester 1		
EFB210	Finance 1		
AYB221	Accounting Systems and Analytics		
Year 3 Se	emester 2		
AYB219	Taxation Law		
AYB340	Company Accounting		
Year 4 Se	emester 1		
AYB230	Corporations Law		
AYB321	Strategic Management Accounting		
Year 4 Se	emester 2		
AYB301	Audit and Assurance		
AYB311	Financial Accounting Issues		

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	

BSB126 Marketing BSB113 Economics

Year 1 Semester 2

BSB110 Accounting

BSB115 Management

Year 2 Semester 1

BSB123 Data Analysis

BSB119 Global Business

Year 2 Semester 2

AMB200 Consumer Behaviour

Advertising Theory and AMB220

Practice

Year 3 Semester 1

Marketing and Audience **AMB201** Analytics

BSB111 Business Law and Ethics

Year 3 Semester 2

AMB318 Advertising Copywriting

AMB319 Media Planning

Year 4 Semester 1

AMB320 Advertising Management

AMB330 Digital Portfolio

Year 4 Semester 2

AMB339 Advertising Campaigns

Real World Ready - Business BSB399 Capstone

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
- Economics Options List
- 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
- Economics Option List

	Titla
Code l'	Title

Semester 1 (February) commencement

Year 1 Semester 1

BSB113 Economics

BSB123 Data Analysis

Year 1 Semester 2

BSB110 Accounting

BSB126 Marketing

Year 2 Semester 1

BSB111 Business Law and Ethics

BSB119 Global Business

Year 2 Semester 2

BSB115 Management

EFB223 Economics 2

Year 3 Semester 1

EFB330 Intermediate Macroeconomics **EFB331** Intermediate Microeconomics

Year 3 Semester 2

Economics Optional Unit

Real World Ready - Business Capstone

Year 4 Semester 1



Games and Interactive Environments

Bachelor of Business/Bachelor of C			
Economic	Economics Optional Unit		
Economic	cs Optional Unit		
Year 4 Se	emester 2		
Economic	cs Optional Unit		
EFB338	Contemporary Application of Economic Theory		
Economic	cs Options List		
	ive Economics Units		
EFB222	Introduction to Applied Econometrics		
EFB332	Applied Behavioural Economics		
EFB333	Applied Econometrics		
EFB337	Game Theory and Applications		
Applied E	Economics Units		
EFB201	Financial Markets		
EFB225	Economics for the Real World		
EFB226	Environmental Economics and Policy		
EFB336	International Economics		
Semeste	r 2 (July) commencement		
	emester 2		
BSB113	Economics		
BSB123	Data Analysis		
	emester 1		
BSB110	Accounting		
BSB126	Marketing		
Year 2 Se	emester 2		
BSB111	Business Law and Ethics		
BSB119	Global Business		
Year 3 Se	emester 1		
	Management		
EFB223	Economics 2		
Year 3 Se	emester 2		
EFB330	Intermediate Macroeconomics		
EFB331	Intermediate Microeconomics		
Year 4 Se	emester 1		
BSB399	Real World Ready - Business Capstone		
Economic	cs Option Unit		
	emester 2		
	cs Option Unit		
	cs Option Unit		
Year 5 Semester 1			
EFB338	Contemporary Application of Economic Theory		
Economic	·		
Economics Option Unit Economics Option List			
Quantitative Economics Units			
EFB222	Introduction to Applied Econometrics		
EFB332	Applied Behavioural Economics		
	ECOHOLINGS		

Game Theory and Applications		
Applied Economics Units		
Financial Markets		
Economics for the Real World		
Environmental Economics and Policy		
International Economics		

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
- 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) commencement
Year 1 Se	emester 1

BSB113 Economics

BSB115 | Management

Year 1 Semester 2

BSB110 Accounting

BSB126 Marketing

Year 2 Semester 1

BSB123 Data Analysis

BSB111 Business Law and Ethics

Year 2 Semester 2

BSB119 Global Business

EFB223 Economics 2

Year 3 Semester 1

EFB201 Financial Markets

EFB210 Finance 1

Year 3 Semester 2

EFB312 International Finance

EFB343 | Corporate Finance

Year 4 Semester 1

Real World Ready - Business BSB399 Capstone

EFB335 Investments

Year 4 Semester 2

Risk Management and **EFB344** Derivatives

EFB360 Finance Capstone

Semester 2 (July) commencement

Year 1 Semester 2

BSB113	Economics	
BSB115	Management	
Year 2 Semester 1		
BSB110	Accounting	
BSB126	Marketing	
Year 2 Se	emester 2	
BSB123	Data Analysis	
BSB111	Business Law and Ethics	
Year 3 Se	emester 1	
BSB119	Global Business	
EFB223	Economics 2	
Year 3 Se	emester 2	
EFB201	Financial Markets	
EFB210	Finance 1	
Year 4 Se	emester 1	
EFB312	International Finance	
EFB343	Corporate Finance	
Year 4 Se	emester 2	
BSB399	Real World Ready - Business	
EFB335	Capstone Investments	
	III V GGLI II GI ILG	
Year 5 Se	emester 1	
EFB344	Risk Management and Derivatives	
EFB360	Finance Capstone	

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
- Semester 2 (July) commencement
- Year 1, Semester 1
- Year 1, Semester 2Year 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		
Semester 1 (February) commencement			
Year 1, S	emester 1		
BSB111	Business Law and Ethics		
BSB113	Economics		
Year 1, S	Year 1, Semester 2		
BSB110	Accounting		
EFB210	Finance 1		
Year 2, Semester 1			
BSB123	Data Analysis		
AYB219	Taxation Law		
Year 2, Semester 2			



EFB333 Applied Econometrics

Bachelor of Business/Bachelor of Games and Interactive Environments

Dache	of of business/bachelor of
BSB126	Marketing
BSB119	Global Business
Year 3, S	Semester 1
AYB250	Personal Financial Planning
BSB115	Management
Year 3, S	Semester 2
AYB232	Financial Services Regulation and Law
AYB240	Superannuation and Retirement Planning
Year 4, S	semester 1
EFB227	Insurance, Risk Management and Estate Planning
EFB345	Managing Investments and Client Relationships
Year 4, S	semester 2
BSB399	Real World Ready - Business Capstone
AYB346	Financial Plan Construction (Capstone)
Semeste	r 2 (July) commencement
Year 1, S	semester 1
BSB111	Business Law and Ethics
BSB113	Economics
Year 1, S	semester 2
BSB110	Accounting
EFB210	Finance 1
Year 2, S	Semester 1
BSB123	Data Analysis
AYB219	Taxation Law
Year 2, S	emester 2
BSB126	Marketing
AYB250	Personal Financial Planning
Year 3, S	emester 1
AYB240	Superannuation and Retirement Planning
BSB115	Management
Year 3, S	emester 2
EFB227	Insurance, Risk Management and Estate Planning
BSB119	Global Business
Year 4, S	Semester 1
AYB232	Financial Services Regulation and Law
AYB346	Financial Plan Construction (Capstone)
Year 4, S	Semester 2
EFB345	Managing Investments and Client Relationships
BSB399	Real World Ready - Business Capstone

Semesters

- Semester 1 (February) commencement
- Year 1 Semester 1
- Year 1 Semester 2

-	\/ ··	\sim	O	nester	- 4

- 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) commencer

nent

Year 1 Semester 1

BSB113 Economics **BSB115** Management

Year 1 Semester 2

BSB123 Data Analysis BSB126 Marketing

Year 2 Semester 1

BSB110 Accounting

BSB111 Business Law and Ethics

Year 2 Semester 2

0 0	Managing People
MGB21	Introducing People
4	Management and Analytics

Year 3 Semester 1

MGB22	Obligations and Options for
9	Employing People
MGB23 0	Recruiting and Selecting People

Year 3 Semester 2

1	Developing People
BSB119	Global Business

In 2019, unit MGB201 Contemporary Employment Relations is replaced by MGB229.

Year 4 Semester 1

MGB33 9	Managing Performance and Rewards
BSB399	Real World Ready - Business Capstone

Year 4 Semester 2

MGB37	Creating Value through People
Select one of the following units:	
MGB30 6	Independent Study

	6	Independent Study
	MGB31 0	Managing Sustainable Change
	MGB33	Workplace Learning

Semester 2 (July) commencement

Year 1 Se	emester 2
BSB115	Management
BSB113	Economics
Year 2 Se	emester 1
BSB119	Global Business
BSB126	Marketing
Year 2 Se	emester 2
MGB20 0	Managing People
BSB111	Business Law and Ethics
Year 3 Se	emester 1
MGB21 4	Introducing People Management and Analytics
BSB123	Data Analysis
Year 3 Se	emester 2
MGB22 9	Obligations and Options for Employing People
MGB23 0	Recruiting and Selecting People
Year 4 Se	emester 1
MGB33 1	Developing People
MGB33 9	Managing Performance and Rewards
Year 4 Se	emester 2
BSB110	Accounting
MGB37 2	Creating Value through People
Year 5 Se	emester 1
BSB399	Real World Ready - Business Capstone
Choose o	ne of the following units:
MGB30 6	Independent Study
MGB31 0	Managing Sustainable Change
MGB33	Workplace 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	
Year 1 Semester 1		
BSB126	Marketing	
BSB119	Global Business	
Year 1 Semester 2		
BSB110	Accounting	
BSB115	Management	
Year 2 Semester 1		

Intercultural Communication



MGB22

Bachelor of Business/Bachelor of Ga

5	and Negotiation Skills	
BSB123	Data Analysis	
Year 2 Se	emester 2	
BSB111	Business Law and Ethics	
BSB113	Economics	
Year 3 Se	emester 1	
MGB34 0	International Business in the Asia-Pacific	
AYB227	International Accounting	
Year 3 Semester 2		
AMB210	Importing and Exporting	
EFB240	Finance for International Business	
Year 4 Se	emester 1	
AMB303	International Logistics	
AMB336	International Marketing	
Year 4 Semester 2		
BSB399	Real World Ready - Business Capstone	
AMB369	International Business Strategy	

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
- 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) commencement		
Year 1 Semester 1		

Year 1 Semester 2		
BSB115	Management	
BSB113	Economics	

BSB119 Global Business BSB123 Data Analysis

Year 2 Semester 1

BSB110 Accounting

BSB111 Business Law and Ethics

Year 2 Semester 2

	MGB20 0	Managing People
	MGB22 5	Intercultural Communication and Negotiation Skills

Year 3 Semester 1

ames and	d Interactive Environments
MGB22 6	Innovation, Knowledge and Creativity
MGB21 0	Managing Operations
MGB22 7	Entrepreneurship
Year 3 Semester 2	
BSB126	Marketing
MGB33 5	Managing Projects
MGB32	Managing Business Crowth

Year 4 Semester 1

BSB399	Real World Ready - Business Capstone
MGB34 1	Managing Risk

Managing Business Growth

Year 4 Semester 2

MGB30 9	Managing Strategically
MGB31 0	Managing Sustainable Change
MGB33	Workplace Learning

Semester 2 (July) commencement

Year 1 Semester 2

BSB115 | Management BSB119 Global Business

Year 2 Semester 1

BSB113 Economics

BSB126 Marketing

Year 2 Semester 2

BSB111 Business Law and Ethics BSB123 Data Analysis

Year 3 Semester 1

MGB20 0	Managing People
MGB22	Intercultural Communication
5	and Negotiation Skills

Year 3 Semester 2

B2B110	Accounting
MGB22	Innovation, Knowledge and
6	Creativity

Year 4 Semester 1

Note: students completing a management stream must complete MGB210. Students completing an entrepreneurship stream must complete MGB227.

MGB21 0	Managing Operations
OR	
MGB22 7	Entrepreneurship
MGB34 1	Managing Risk

Year 4 Semester 2

Note: students completing a management stream must complete MGB335. Students completing an entrepreneurship stream must complete MGB324. MGB33 Managing Projects 5 OR MGB32

Managing Business Growth

Managing Strategically

	9	
	Year 5 Semester 1	
	BSB399	Real World Ready - Business Capstone
	MGB31 0	Managing Sustainable Change
	OR	
	MGB33	Workplace Learning

Semesters

4 MGB30

a

- 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	
BSB126	Marketing	
BSB113	Economics	
Year 1 Se	emester 2	
BSB111	Business Law and Ethics	
BSB115	Management	
Year 2 Se	emester 1	
BSB119	Global Business	
AMB200	Consumer Behaviour	
Year 2 Se	emester 2	
BSB110	Accounting	
BSB123	Data Analysis	
Year 3 Se	emester 1	
AMB240	Marketing Planning and Management	
AMB201	Marketing and Audience Analytics	

Year 3 Semester 2

AMB202	Communication
AMB336	International Marketing

Year 4 Semester 1

AMB330	Digital Portfolio
AMB340	Services Marketing

Year 4 Semester 2

Real World Ready - Business BSB399 Capstone

Bachelor of Business/Bachelor of Games and Interactive Environments

AMB359 Strategic Marketing

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	
BSB119	Global Business
BSB126	Marketing

Year 1 Semester 2

BSB110 Accounting

BSB115 Management

Year 2 Semester 1

Introduction to Public **AMB263** Relations

AMB264 Public Relations Techniques

Year 2 Semester 2

AMB201	Marketing and Audience
AIVID20 I	Analytics

BSB111 Business Law and Ethics

Year 3 Semester 1

AMB372 Public Relations Planning

Issues, Stakeholders and **AMB373** Reputation

Year 3 Semester 2

BSB113 Economics

BSB123 Data Analysis

Year 4 Semester 1

Real World Ready - Business BSB399 Capstone

AMB374 Global Public Relations Cases

Year 4 Semester 2

Internal Communication and **AMB375** Change

AMB379 Public Relations Campaigns

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	
Semeste	r 1 (February) commencements	
Year 1, 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, Semester 1		
IGB100	Game Studio 1: Mini-Game 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

IGB200	Game Studio 2: Applied Game Development
KNB227	CGI Technologies

Year 4, Semester 1

IGB300	Capstone Project (Game Design)
KNB217	Digital Creatures

Year 4, Semester 2

,	
IGB301	Capstone Project (Game Development)
IGB400	Game Studio 3: Game Innovation
Samestar	2 (July) commencements

Year 1, Semester 2

IFB103	11 Systems Design
IFB104	Building IT Systems

Year 2, Semester 1

IGB180	Computer Games Studies
IGB181	Game Production and Technology
	I echnology

Year 2, Semester 2

KNB127 CGI Foundations

KNB135 Animation Aesthetics

Year 3, Semester 1

IGB100	Game Studio 1: Mini-Game Development
KNR137	Digital Worlds

Year 3, Semester 2

IGB200	Game Studio 2: Applied
IGBZ00	Game Development

KNB227 CGI Technologies

Year 4, Semester 1

IGB300	Capstone Project (Game Design)
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KNB217 Digital Creatures	3
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Year 4, Semester 2

IGB301	Capstone Project (Game
IGD301	Development)

Game Studio 3: Game IGB400 Innovation

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 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, Semester 2

IT Systems Design **Building IT Systems** IFB104

Year 2, Semester 1

Game Studio 1: Mini-Game **IGB100** Development

BGIE Core Unit Option

Year 2, Semester 2

HGB220	Fundamentals of Game Design

DXB205 Interactive Narrative Design

Year 3, Semester 1

DXB211 Creative Coding

BGIE Core Unit Option

Year 3, Semester 2

IGB200	Game Studio 2: Applied Game Development
IGB321	Immersive Game Level Design

(note: IGB321 is no longer offered for SEM-2 '2020'. If you need to take IGB321 in SEM-2 2020, please contact the Faculty for assistance. It will be substituted with CAB210 for SEM-2

Bachelor of Business/Bachelor of Games and Interactive Environments

2020 (if not already updated in your Game Design major IN05MJR-GAMEDES).

Year 4, Semester 1	
IGB320	Game Design in Different Contexts

Capstone Project (Game IGB300 Design)

Year 4, Semester 2

IGB301	Capstone Project (Game Development)
IGB400	Game Studio 3: Game Innovation

Semester 2 (July) commencements

Year 1, Semester 2

IT Systems Design IFB103 IFB104 **Building IT Systems**

Year 2, Semester 1

IGB180	Computer Games Studies
IGB181	Game Production and Technology

Year 2, Semester 2

IGB220	Fundamentals of Game Design

DXB205 Interactive Narrative Design

Year 3, Semester 1

DXB211 Creative Coding

Year 3, Semester 2

IGB200	Game Studio 2: Applied Game Development
IGB321	Immersive Game Level Design

(note: IGB321 is no longer offered for SEM-2 '2020'. If you need to take IGB321 in SEM-2 2020, please contact the Faculty for assistance. It will be substituted with CAB210 for SEM-2 2020 (if not already updated in your Game Design major IN05MJR-GAMEDES).

Year 4. Semester 1

IGB300	Capstone Project (Game Design)
IGB320	Game Design in Different Contexts

Year 4. Semester 2

IGB301	Capstone Project (Game Development)
IGB400	Game Studio 3: Game Innovation

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 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) commencemer	
Year 1, S	emester 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, Semester 1

CAB301 Algorithms and Complexity

BGIE Core Unit Option

Year 3, Semester 2

IGB200	Game Development
IGB381	Game Engine Technology

Game Studio 2: Applied

(note: IGB381 is no longer offered for SEM-2 2020. If you need to take IGB381 in SEM-2 2020, please contact the Faculty for assistance. It will be replaced with IFN692 (if not already updated in your Software Technologies major IN05MJR-SOFTECH).

Year 4, Semester 1

IGB300	Capstone Project (Game Design)
IGB383	Al for Games

Year 4, Semester 2

IGB301	Capstone Project (Game Development)
IGB400	Game Studio 3: Game Innovation

Semester 2 (July) commencements		
Year 1, S	, Semester 2	
IFB103	IT Systems Design	
IFB104	Building IT Systems	
Year 2, S	emester 1	
IGB180	Computer Games Studies	
IGB181	Game Production and Technology	
Year 2, S	emester 2	
CAB201	Programming Principles	
IGB283	Game Engine Theory and Application	
Year 3, Semester 1		
CAB301	Algorithms and Complexity	
IGB100	Game Studio 1: Mini-Game Development	

Year 3. Semester 2

	IGB200	Game Studio 2: Applied
		Game Development

IGB381 Game Engine Technology (note: IGB381 is no longer offered for

SEM-2 2020. If you need to take IGB381 in SEM-2 2020, please contact the Faculty for assistance. It will be replaced with IFN692 (if not already updated in your Software Technologies major IN05MJR-SOFTECH).

Year 4, Semester 1

IGB300	Capstone Project (Game Design)
IGB383	Al for Games

Year 4, Semester 2

IGB301	Capstone Project (Game Development)
IGB400	Game Studio 3: Game Innovation

Year 5, Semester 1

BGIE Core Unit Option BGIE Core Unit Option





Year	2020
QUT code	SE05
CRICOS	0102144
Duration (full-time)	5 years
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$9,200 per year full-time (96 credit points)
International fee (indicative)	2020: \$36,100 per year full-time (96 credit points)
Total credit points	480
Dom. Start Months	July
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); ph: +61 7 3138 8822; email: sef.enquiry@qut.edu.au
Discipline Coordinator	Mellini Sloan (Urban and Regional Planning); Dr Andrew Baker (Environmental Science) +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

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

- 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)

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:

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary 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

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
- 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
- 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**

- Semester 1 (February) commencements
- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1 Year 2, Semester 2



Bachelor of Urban Development (Honours) (Urban and Regional Planning)/ Bachelor of Science (Environmental Science)

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

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

	r 5, Semester Z
Code	Title
	1 (February) commencements
Year 1, S	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
Yea <u>r 2, S</u>	emester 1
SEB115	Experimental Science 1
SEB116	Experimental Science 2
	Design-thinking for the Built
UXB100	Environment
UXB130	History of the Built Environment
Year 2 S	emester 2
ERB101	Earth Systems
EVB102	Ecosystems and the Environment
LWS012	
LVV3012	Urban Development Law Negotiation and Conflict
UXB135	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
	emester 2
	Case Studies in
EVB304	Environmental Science

Groundwater Systems		
Professional Practice		
Research Methods for the Future Built Environment		
emester 1		
Soils and the Environment		
OR (if EVB312 completed previously)		
Conservation Biology		
Economics		
Project - Part A		
Urban Planning Practice		
emester 2		
Environmental Planning		
Community Planning		
Regional Planning		
Project - Part B		





Bachelor of Science/Bachelor of Mathematics

Year	2020
QUT code	SE20
CRICOS	078353G
Duration (full-time)	4 years
ОР	6
Rank	89
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$9,600 per year full-time (96 credit points)
International fee (indicative)	2020: \$37,800 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); ph: +61 7 3138 8822; email: sef.enquiry@qut.edu.au
Discipline Coordinator	Dr Marion Bateson (Biological Science); Aspro Tim Dargaville (Chemistry); Dr Luke Nothdurft (Earth Science); Dr Andrew Baker (Environmental Science); Aspro Jamie Trapp (Physics); Dr Pascal Buenzli (Applied and Computational Mathematics); Dr Paul Wu (Operations Research; and Statistics).

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)

We assume that you have knowledge equivalent to four semesters at high school level (Years 11 and 12) with sound achievement (4, SA). Recommended Study: At least one of Chemistry, Physics, Biology, Geography, Earth Science or Maths C.

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies. Recommended Study: At least one of Chemistry, Physics, Biology, Geography, Earth Science or Maths 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 1Year 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 Semester 2		
Science Core Unit Option		
Science Major Unit Option		
Year 2 Semester 1		
SEB115	Experimental Science 1	



Bachelor of Science/Bachelor of Mathematics

	or or objection baction of	
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 Semester 2		
BVB201	Biological Processes	
BVB204	Ecology	
Year 4 Semester 1		
BVB305	Microbiology and the Environment	
BVB203	Plant Biology	
Year 4 Semester 2		
BVB304	Integrative Biology	
BVB313	Population Genetics and Molecular Ecology	

S	e	m	е	S	te	rs

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

Title

Couc	THIC	
Year 1 Semester 1		
SEB104	Grand Challenges in Science	
SEB113	Quantitative Methods in Science	
	1 0	

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 Semester 1

ERB201	Destructive Earth: Natural Hazards

ERB202 Marine Geoscience

Year 3 Semester 2

ERB203	Sedimentary Geology and Stratigraphy
ERB204	Deforming Earth: Fundamentals of Structural Geology

Year 4 Semester 1

ERB301	Cnemical Earth
FRB302	Applied Geophysics

Year 4 Semester 2

ERB303	Energy Resources and Basin Analysis
ERB304	Dynamic Earth: Plate

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	
SFB113	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	
EVB102	Ecosystems and the	
LVD102	Environment	
Year 3 Semester 1		
BVB202	Experimental Design and	
D V D Z U Z	Quantitative Methods	
EVB203	Geospatial Information	
LVB200	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	
L V DOOT	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 Semester 1



Bachelor of Science/Bachelor of Mathematics

PQB360	Global Energy Balance and Climate Change	
PVB203	Experimental Physics	
Year 3 Se	emester 2	
PVB204	Electromagnetism	
PVB220	Cosmology	
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

- 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 1Year 4 Semester 2		
Code	Title	
Applied a Major uni	ind Computational Mathematics it set:	
Year 1 S	emester 1	
MXB102	Abstract Mathematical Reasoning	
MXB106	Linear Algebra	
Year 1 S	emester 2	
MXB105	Calculus and Differential Equations	
MXB161	Computational Explorations	
Year 2 So	emester 1	
MXB101	Probability and Stochastic Modelling 1	
Maths Co	ore Options Unit	
Year 2 So	emester 2	
MXB103	Introductory Computational Mathematics	
MXB107	Introduction to Statistical Modelling	
Year 3 So	emester 1	
MXB201	Advanced Linear Algebra	
MXB225	Modelling with Differential Equations 1	
Year 3 Semester 2		
MXB202	Advanced Calculus	
MXB226	Computational Methods 1	
	emester 1	
MXB322	Partial Differential Equations	

MXB326 | Computational Methods 2

MXB325 Modelling with Differential

Year 4 Semester 2

	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

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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

Operations Research for MXB334 Stochastic Processes Work Integrated Learning in MXB338 Operations Research

Semesters

- Statistical Science Major unit set:
- Year 1 Semester 1
- Year 2 Semester 1
- Year 3 Semester 1 Year 3 Semester 2
- Year 4 Semester 1

Year 4 Semester 2

• Year 4 Semester 2			
Code	Title		
Statistical	Science 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 1 Semester 2

Year 2 Semester 2



Bachelor of Information Technology/Bachelor of Mathematics

Year	2020
QUT code	SE30
CRICOS	059226F
Duration (full-time)	4 years
ОР	6
Rank	89
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$9,600 per year full-time (96 credit points)
International fee (indicative)	2020: \$34,000 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	Professor Tim Moroney (Mathematics); ph: +61 7 3138 8822; email: sef.enquiry@qut.edu.au
Discipline Coordinator	Dr Wayne Kelly (Computer Science); Dr Erwin Fielt (Information Systems); Dr Pascal Buenzli (Applied & Computational Mathematics); Dr Paul Wu (Operations Research; and Statistics).

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)

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:

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary 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

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 modelling.

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



Bachelor of Information Technology/Bachelor of Mathematics

- 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	
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	
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	emester 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	

Semesters

• Year 1, Semester 1

CAB420 Machine Learning

- 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 2, Semester 1

Code	Title	
Year 1, Semester 1		
IFB102	Introduction to Computer Systems	
IFB103	IT Systems Design	
Year 1, Semester 2		
IFB104	Building IT Systems	
IFB105	Database Management	

IT Core Unit Option			
IT Core U	Jnit Option		
Year 2, S	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		
Year 3, Semester 2			
IAB305	Information Systems Lifecycle Management		
IFB295	IT Project Management		
Year 4, Semester 1			
IFB398	Capstone Project (Phase 1)		
Select on	Select one 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)		

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 2 Semester 2

• Year 4 Semester 2		
Code	Title	
Applied and Computational Mathemati 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		

MXB103 Introductory Computational

	Mathematics	
MXB107	Introduction to Statistical	
WIXE 107	Modelling	
Year 3 Semester 1		
MXB201	Advanced Linear Algebra	
MXB225	Modelling with Differential	
IVIXDZZJ	Equations 1	
Year 3 Se	emester 2	
MXB202	Advanced Calculus	
MXB226	26 Computational Methods 1	
Year 4 Semester 1		
MXB322	Partial Differential Equations	
MXB326	Computational Methods 2	
Year 4 Semester 2		
MXB325	Modelling with Differential	
INIVDOSS	Equations 2	
	Work Integrated Learning in	
MXB328	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
Operations Research Major unit set: Year 1 Semester 1	
MXB106	Linear Algebra
Year 1 Semester 2 MXB105	

Probability and Stochastic MXB101 Modelling 1

Maths Core Options Unit

Year 2 Semester 2		emester 2
	MXB103	Introductory Computational Mathematics
	MXB107	Introduction to Statistical Modelling
Year 3 Semester 1		emester 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



Bachelor of Information Technology/Bachelor of Mathematics

MXB332	Optimisation Modelling	
MXB341	Statistical Inference	
Year 4 Semester 2		
MXB334	Operations Research for Stochastic Processes	
MXB338	Work Integrated Learning in Operations Research	

Semesters

- Statistical Science Major unit set:
- Year 1 Semester 1Year 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	
Statistica	Science 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		
MXB202	Advanced Calculus	
MXB241	Probability and Stochastic Modelling 2	
Year 4 Semester 1		
MXB341	Statistical Inference	
MXB344	Generalised Linear Models	
Year 4 Semester 2		
MXB343	Modelling Dependent Data	
MXB348	Work Integrated Learning in Statistics	





Year	2020
QUT code	SE40
CRICOS	084922G
Duration (full-time)	5 years
ОР	6
Rank	89
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$9,600 per year full-time (96 credit points)
International fee (indicative)	2020: \$36,800 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	SEF Enquiries - (Engineering major); Professor Tim Moroney (Mathematics major); email: sef.enquiry@qut.edu.au; ph: +61 7 3138 8822
Discipline Coordinator	Dr Thomas Rainey (Chemical Process), Associate Professor Jonathan Bunker (Civil); Dr Wayne Kelly (Computer & Software Systems); Dr Jacob Coetzee (Electrical); Dr Aaron Mcfadyen (Electrical & Aerospace); Dr Wim Dekkers/Professor Ted Steinberg (Mechanical); Ass. Professor Luis Alvarez (Mechatronics); Associate Professor Devakar Epari (Medical); Dr Pascal Buenzli (Applied and Computational Mathematics): Dr Paul Wu

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)

We assume that you have knowledge equivalent to four semesters at high school level (Years 11 and 12) with sound achievement (4, SA). Recommended Study: Chemistry, Mathematics C, Physics.

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies. Recommended Study: Chemistry, Mathematics C, 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

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
- 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 unit) 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
MXB106	Linear Algebra
Year 1 Semester 2	
MXB105	Calculus and Differential Equations



Mathematics); Dr Paul Wu

(Operations Research; and Statistics)

Maths Co	Maths Core option unit		
Please note: SE40 students will do MXB161 as part of their Engineering Maths units.			
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	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 2
- Year 4 Semester 1
- Year 4 Semester 2

Oodo	1100	
Operations Research Major unit set		
Year 1 Semester 1		
1.0VD.400	Abstract Mathematical	

MXB102 Reasoning

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.

Year 2 Semester 1

MXB101 Probabilit

Probability and Stochastic Modelling 1

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

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

- Statistical Science 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			
Statistical	Science	Major	unit	set:

Year 1 Semester 1

MXB102 Abstract Mathematical Reasoning

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.

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 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 Semester 2		
MXB343	Modelling Dependent Data	
MXB348	Work Integrated Learning in Statistics	

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

Tear 5 - Serilester 2	
Code	Title
Year 1 - S	Semester 1
EGB113	Energy in Engineering Systems
MXB161	Computational Explorations
Year 1 - Semester 2	
EGB100	Engineering Sustainability an Professional Practice
MZB126	Engineering Computation
Vacua Camanatan 1	

Year 2 - Semester 1

EGB111 Foundation of Engineering Design

EGB121 Engineering Mechanics

Year 2 - Semester 2

EGB120 Foundations of Electrical Engineering

Foundation Unit Option

Year 3 - Semester 1

EGB261 Unit Operations

EGB323 Fluid Mechanics

Year 3 - Semester 2

CVB101 General Chemistry

EGB322 Thermodynamics

Year 4 - Semester 1

EGB262 Process Principles

EGB361 Minerals and Minerals

Processing

Year 4 - Semester 2

EGB364 Process Modelling
EGH411 Industrial Chemistry

Practice

Year 5 - Semester 1

EGB362	Operations Management and Process Economics
EGH400 -1	Research Project 1
EGH404	Research in Engineering



EGH463	Plant and Process Design	
	Year 5 - Semester 2	
EGH400 -2	Research Project 2	
EGH422	Advanced Thermodynamics	
EGH423	Fluids Dynamics	
EGH462	Process Control	

EGH400 -2	Research Project 2
EGH472	Advanced Highway and Pavement Engineering
EGH475	Advanced Concrete Structures
EGH479	Advances in Civil Engineering Practice

Year 5 - Semester 2	
EGH400 -2	Research Project 2
EGH455	Advanced Systems Design
CAB432	Cloud Computing
Advanced Computer and Software Systems Option Unit	

Semesters

Code

EGB113

EGB100

EGB111

EGB272

 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

Systems

Energy in Engineering

Professional Practice

MZB126 Engineering Computation

EGB121 Engineering Mechanics

EGB123 | Civil Engineering Systems

EGB270 Civil Engineering Materials

EGB273 Principles of Construction

EGB373 Geotechnical Engineering

EGB275 Structural Mechanics

EGB371 Engineering Hydraulics

EGH471 | Advanced Water Engineering

EGB375 Design of Concrete Structures

Research Project 1

Practice

Engineering

Research in Engineering

Advanced Geotechnical

Engineering

Traffic and Transport

Engineering Sustainability and

Foundation of Engineering

MXB161 | Computational Explorations

Title Year 1 - Semester 1

Year 1 - Semester 2

Year 2 - Semester 1

Year 2 - Semester 2

Year 3 - Semester 2

Year 4, Semester 1

Year 4 - Semester 2

Year 5 - Semester 1

Year 5 - Semester 2

EGH400

EGH404

EGH473

-1

EGB376 Steel Design

Foundation Unit Option Year 3 - Semester 1

Design

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 3 - Semester 2Year 4 - Semester 1					
• Year 4 - Semester 2					
Year 5 - Semester 1Year 5 - Semester 2					
Code Title					
	Year 1 - Semester 1				
	Energy in Engineering				
EGB113	Systems				
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 - Semester 2					
EGB120	Foundations of Electrical Engineering				
Foundation Unit Option					
Voor 2	Sama atau 1				
rear 5 - 3	Semester 1				
CAB201	Programming Principles				
	Programming Principles				
CAB201 EGB242	Programming Principles				
CAB201 EGB242	Programming Principles Signal Analysis				
CAB201 EGB242 Year 3 - S CAB202	Programming Principles Signal Analysis Semester 2 Microprocessors and Digital				
CAB201 EGB242 Year 3 - S CAB202 Intermedi	Programming Principles Signal Analysis Semester 2 Microprocessors and Digital Systems				
CAB201 EGB242 Year 3 - S CAB202 Intermedi Year 4 - S	Programming Principles Signal Analysis Semester 2 Microprocessors and Digital Systems ate Electrical Option Unit				
CAB201 EGB242 Year 3 - S CAB202 Intermedi Year 4 - S	Programming Principles Signal Analysis Gemester 2 Microprocessors and Digital Systems ate Electrical Option Unit Gemester 1				
CAB201 EGB242 Year 3 - S CAB202 Intermedi Year 4 - S EGB240 CAB301	Programming Principles Signal Analysis Semester 2 Microprocessors and Digital Systems ate Electrical Option Unit Semester 1 Electronic Design				
CAB201 EGB242 Year 3 - S CAB202 Intermedi Year 4 - S EGB240 CAB301	Programming Principles Signal Analysis Semester 2 Microprocessors and Digital Systems ate Electrical Option Unit Semester 1 Electronic Design Algorithms and Complexity Semester 2 Systems Programming				
CAB201 EGB242 Year 3 - S CAB202 Intermedi Year 4 - S EGB240 CAB301 Year 4 - S	Programming Principles Signal Analysis Gemester 2 Microprocessors and Digital Systems ate Electrical Option Unit Gemester 1 Electronic Design Algorithms and Complexity Gemester 2				
CAB201 EGB242 Year 3 - S CAB202 Intermedi Year 4 - S EGB240 CAB301 Year 4 - S CAB403 EGH404	Programming Principles Signal Analysis Semester 2 Microprocessors and Digital Systems ate Electrical Option Unit Semester 1 Electronic Design Algorithms and Complexity Semester 2 Systems Programming Research in Engineering				
CAB201 EGB242 Year 3 - S CAB202 Intermedi Year 4 - S EGB240 CAB301 Year 4 - S CAB403 EGH404	Programming Principles Signal Analysis Semester 2 Microprocessors and Digital Systems ate Electrical Option Unit Semester 1 Electronic Design Algorithms and Complexity Semester 2 Systems Programming Research in Engineering Practice				
CAB201 EGB242 Year 3 - S CAB202 Intermedi Year 4 - S EGB240 CAB301 Year 4 - S CAB403 EGH404 Year 5 - S EGH400	Programming Principles Signal Analysis Semester 2 Microprocessors and Digital Systems ate Electrical Option Unit Semester 1 Electronic Design Algorithms and Complexity Semester 2 Systems Programming Research in Engineering Practice Semester 1				
CAB201 EGB242 Year 3 - S CAB202 Intermedii Year 4 - S EGB240 CAB301 Year 4 - S CAB403 EGH404 Year 5 - S EGH400 -1	Programming Principles Signal Analysis Gemester 2 Microprocessors and Digital Systems ate Electrical Option Unit Gemester 1 Electronic Design Algorithms and Complexity Gemester 2 Systems Programming Research in Engineering Practice Gemester 1 Research Project 1				

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 1 - Semester 1			
EGB113	Energy in Engineering Systems		

MXB161 Computational Explorations

Year 1 - Semester 2

ECR100	Engineering Sustainability and Professional Practice
LGD100	Professional Practice

MZB126 Engineering Computation

Year 2 - Semester 1

EGB111	Foundation of Engineering Design

EGB121 Engineering Mechanics

Year 2 - Semester 2

CAB202	Microprocessors and Digital Systems	
		Foundations of Electrical

EGB120 Engineering

Year 3 - Semester 1

EGB240		Electronic Design
	EGB241	Electromagnetics and
	EGD241	Machines

Year 3 - Semester 2

EGB242 Signal Analysis

Intermediate 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 - Semester 1

EGB340 Design and Practice

Foundation Unit Option

Year 4 - Semester 2

Intermediate Electrical Option Unit (2)

Intermediate Electrical Option Unit (3)

Year 5 - Semester 1 EGH400

-1	Research Project 1
	December in Engineering





Systems Option Unit

	_		· · ·	
	Practice			
Advanced Electrical Option Unit (1)				
Advanced Electrical Option Unit (2)				
Year 5 - Semester 2				
EGH400 -2	Research	Project	2	
Advanced Electrical Option Unit (3)				
Advanced Electrical Option Unit (4)				
Advanced	d Electrical	Option	Unit (5)	

	_		
EGH446 Autonomous Systems			
Advanced Electrical Option Unit			
Year 5 - Semester 2			
EGH400 -2	Research Project 2		
EGH445	Modern Control		
EGH450	Advanced Unmanned Aircraft Systems		

EGH421	Vibration and Control		
Year 5 - Semester 2			
EGH400 -2	Research Project 2		
EGH420	Mechanical Systems Design		
EGH422	Advanced Thermodynamics		
EGH423	Fluids Dynamics		

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
- Year 4 Semester 2
- Year 5 Semester 1
 Year 5 Semester 2

Semesters

Year 1 - Semester 1Year 1 - Semester 2

Advanced Electrical Option Unit

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

• Year 5 - Semester 2		
Code	Title	
Year 1 - 9	Semester 1	
EGB113	Energy in Engineering Systems	
MXB161	Computational Explorations	
Year 1 - Semester 2		
EGB100	Engineering Sustainability and Professional Practice	
MZB126	Engineering Computation	
Year 2 - 9	Semester 1	
EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	
Year 2 - 9	Semester 2	
EGB120	Foundations of Electrical Engineering	
Foundation	on Unit Option	
Year 3 - 9	Semester 1	
CAB202	Microprocessors and Digital Systems	
EGB240	Electronic Design	
\		
Year 3 - 8	Semester 2	
Year 3 - 8 EGB242	Semester 2 Signal Analysis	
EGB242		
EGB242 Intermedi	Signal Analysis	
EGB242 Intermedi	Signal Analysis ate Electrical Option Unit	
EGB242 Intermedi Year 4 - S	Signal Analysis ate Electrical Option Unit Semester 1	
EGB242 Intermedi Year 4 - S EGB243 EGB349	Signal Analysis ate Electrical Option Unit Semester 1 Aircraft Systems and Flight Systems Engineering and	
EGB242 Intermedi Year 4 - 9 EGB243 EGB349 Year 4 - 9	Signal Analysis ate Electrical Option Unit Semester 1 Aircraft Systems and Flight Systems Engineering and Design Project	
EGB242 Intermedi Year 4 - 9 EGB243 EGB349 Year 4 - 9	Signal Analysis ate Electrical Option Unit Semester 1 Aircraft Systems and Flight Systems Engineering and Design Project Semester 2	
EGB242 Intermedi Year 4 - \$ EGB243 EGB349 Year 4 - \$ EGB345 EGB346	Signal Analysis ate Electrical Option Unit Semester 1 Aircraft Systems and Flight Systems Engineering and Design Project Semester 2 Control and Dynamic Systems	
EGB242 Intermedi Year 4 - \$ EGB243 EGB349 Year 4 - \$ EGB345 EGB346	Signal Analysis ate Electrical Option Unit Semester 1 Aircraft Systems and Flight Systems Engineering and Design Project Semester 2 Control and Dynamic Systems Unmanned Aircraft Systems	

Year 4 - Semester 1Year 4 - Semester 2		
• Year 5 - Semester 1		
• Year 5 - Semester 2		
Code	Title	
Year 1 - 9	Semester 1	
EGB113	Energy in Engineering Systems	
MXB161	Computational Explorations	
Year 1 - 3	Semester 2	
EGB100	Engineering Sustainability and Professional Practice	
MZB126	Engineering Computation	
Year 2 - 3	Semester 1	
EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	
Year 2 - 3	Semester 2	
EGB120	Foundations of Electrical Engineering	
Foundation	on Unit Option	
Year 3 - 9	Semester 1	
EGB214	Materials and Manufacturing	
EGB314	3	
Year 3 - 3	Semester 2	
EGB210	Fundamentals of Mechanical Design	
EGB211	Dynamics	
Year 4 - 9	Semester 1	
EGB321	Dynamics of Machines	
EGB323	Fluid Mechanics	
	Semester 2	
EGB322	,	
EGH404	Practice	
Year 5 - S	Semester 1	
EGB316	Design of Machine Elements	
EGH400 -1	Research Project 1	
EGH414	Stress Analysis	

Semeste		
Year 1 - Semester 1		
Year 1 - Semester 2		
 Year 2 - Semester 1 		
 Year 2 - Semester 2 		
	r 3 - Semester 1	
	r 3 - Semester 2	
• <u>Yea</u>	r 4 - Semester 1	
• <u>Yea</u>	r 4 - Semester 2	
• <u>Yea</u>	r 5 - Semester 1 r 5 - Semester 2	
• <u>rea</u>	1 5 - Semester 2	
Code	Title	
Year 1 - 9	Semester 1	
EGB113	Energy in Engineering	
LODITO	Systems	
MXB161	Computational Exploratio	
Year 1 - S	Semester 2	
Year 1 - 8	Engineering Sustainability	
EGB100	Engineering Sustainability Professional Practice	
EGB100 MZB126	Engineering Sustainability Professional Practice Engineering Computation	
EGB100 MZB126	Engineering Sustainability Professional Practice	
EGB100 MZB126	Engineering Sustainability Professional Practice Engineering Computation	
EGB100 MZB126 Year 2 - S	Engineering Sustainability Professional Practice Engineering Computation Semester 1 Foundation of Engineerin	
EGB100 MZB126 Year 2 - \$ EGB111 EGB121	Engineering Sustainability Professional Practice Engineering Computation Semester 1 Foundation of Engineering Design	
EGB100 MZB126 Year 2 - \$ EGB111 EGB121	Engineering Sustainability Professional Practice Engineering Computation Semester 1 Foundation of Engineering Design Engineering Mechanics	
EGB100 MZB126 Year 2 - 5 EGB111 EGB121 Year 2 - 5 EGB120	Engineering Sustainability Professional Practice Engineering Computation Semester 1 Foundation of Engineering Design Engineering Mechanics Semester 2 Foundations of Electrical	
EGB100 MZB126 Year 2 - \$ EGB111 EGB121 Year 2 - \$ EGB120 Foundation	Engineering Sustainability Professional Practice Engineering Computation Gemester 1 Foundation of Engineering Design Engineering Mechanics Gemester 2 Foundations of Electrical Engineering	
EGB100 MZB126 Year 2 - \$ EGB111 EGB121 Year 2 - \$ EGB120 Foundation	Engineering Sustainability Professional Practice Engineering Computation Semester 1 Foundation of Engineering Design Engineering Mechanics Semester 2 Foundations of Electrical Engineering on Unit Option	

MXB161	Computational Explorations		
Year 1 - Semester 2			
EGB100	Engineering Sustainability and Professional Practice		
MZB126	Engineering Computation		
Year 2 - Semester 1			
EGB111	Foundation of Engineering Design		
EGB121	Engineering Mechanics		
Year 2 - 9	Semester 2		
EGB120	Foundations of Electrical Engineering		
Foundation	on Unit Option		
Year 3 - 8	Semester 1		
EGB211	Dynamics		
EGB242	Signal Analysis		
Year 3 - 8	Year 3 - Semester 2		
CAB202	Microprocessors and Digital Systems		
EGB345	Control and Dynamic Systems		
Year 4 - S	Semester 1		
EGB220	Mechatronics Design 1		
EGB321	Dynamics of Machines		
Year 4 - 8	Semester 2		
EGB320	Mechatronics Design 2		
Intermedi	Intermediate Electrical Option Unit		
Year 5 - 8	Year 5 - Semester 1		
EGH400 -1	Research Project 1		
EGH404	Research in Engineering Practice		
EGH419	Mechatronics Design 3		
EGH446	Autonomous Systems		

Year 5 - Semester 2



EGH400 -2	Research Project 2
EGH413	Advanced Dynamics
EGH445	Modern Control
Advanced Electrical Option Unit	

EGH424	Biofluids
EGH435	Modelling and Simulation for Medical Engineers
EGH438	Biomaterials

Semesters

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

• <u>Yea</u>	r 5 - Semester 2	
Code	Title	
Year 1 - 9	Semester 1	
EGB113	Energy in Engineering Systems	
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	
Foundation	on Unit Option	
Year 3 - 8	Semester 1	
EGB314	Strength of Materials	
LSB131	Anatomy	
Year 3 - 5	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 - 8	Semester 1	
EGB319	BioDesign	
EGH400 -1	Research Project 1	
EGH414	Stress Analysis	
EGH418	Biomechanics	
Year 5 - S	Semester 2	
EGH400 -2	Research Project 2	





Year	2020
QUT code	SE50
CRICOS	080489G
Duration (full-time)	4 years
Duration (part-time domestic)	8 years
ОР	14
Rank	70
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$9,600 per year full-time (96 credit points)
International fee (indicative)	2020: \$38,900 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	Science Coordinator Dr Graham Johnson; ph: +61 7 3138 8822; email: sef.enquiry@qut.edu.au
Discipline Coordinator	Dr Marion Bateson (Biological Sciences); Aspro Tim Dargaville (Chemistry); Dr Luke Nothdurft (Earth Science); Dr Andrew Baker (Environmental Science); Aspro Jamie Trapp (Physics); Dr Wayne Kelly (Computer Science); and Dr Erwin Fielt (Information

Systems).

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)

We assume that you have knowledge equivalent to four semesters at high school level (Years 11 and 12) with sound achievement (4, SA). Recommended Study: At least one of biology, chemistry, earth science, maths c or physics.

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies. Recommended Study: At least one of biology, chemistry, earth science, maths c or 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

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
- 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, 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			
CAB201	Programming Principles		
IT Core Unit Option			
Year 2, Semester 2			
CAB202	Microprocessors and Digital Systems		
IT Core Unit Option			
Year 3, Semester 1			
CAB203	Discrete Structures		
CAB302	Software Development		

	Technology	
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 on	e of:	
CAB401	High Performance and Parallel Computing	
CAB402	Programming Paradigms	
CAB403	Systems Programming	
CAB420	Machine Learning	
Semest <u>e</u> r	² 2 (July) commencements	
	emester 2	
IFB102	Introduction to Computer Systems	
IFB103	IT Systems Design	
IFB104	Building IT Systems	
IFB105	Database Management	
Year 2, S	emester 1	
(No IT un	its)	
Year 2, S	emester 2	
IT Core U	Init Option	
Year 3, S	emester 1	
CAB201	Programming Principles	
CAB202	Microprocessors and Digital Systems	
Year 3, S	emester 2	
CAB303	Networks	
IFB295	IT Project Management	
Year 4, S	emester 1	
CAB203	Discrete Structures	
CAB301	Algorithms and Complexity	
Year 4, S	emester 2	
IFB398	Capstone Project (Phase 1)	
Year 5, S	emester 1	
CAB302	Software Development	
	Capstone Project (Phase 2)	
IFB399		
	Init Option	
IFB399 IT Core U Select on	Init Option	
IT Core U Select on	Init Option	
IT Core U Select on CAB401	Init Option e of: High Performance and	
IT Core U Select on CAB401 CAB402	Init Option e of: High Performance and Parallel Computing	
IT Core U	Init Option e of: High Performance and Parallel Computing Programming Paradigms	

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	
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	
IT Core l	Jnit Option	
Year 2, S	Semester 2	
IAB207	Rapid Web Application Development	
IT Core l	Jnit Option	
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	
	T	



Systems

IFB102

IFB103



Introduction to Computer

IT Systems Design

Dacile	or or Science/Bachelor of I		
IFB104	Building IT Systems		
IFB105	Database Management		
Year 2, S	Year 2, Semester 1		
(No IT un	its)		
Year 2, S	semester 2		
IT Core U	Jnit Option		
Year 3, S	semester 1		
IAB201	Modelling Techniques for Information Systems		
IAB207	Rapid Web Application Development		
Year 3, S	semester 2		
IAB305	Information Systems Lifecycle Management		
IFB295	IT Project Management		
Year 4, S	semester 1		
IAB203	Business Process Modelling		
IAB204	Business Requirements Analysis		
Year 4, S	semester 2		
IAB401	Enterprise Architecture		
IFB398	Capstone Project (Phase 1)		
Year 5, S	semester 1		
IFB399	Capstone Project (Phase 2)		
IT Core U	Jnit Option		
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		

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, Semester 1	
SEB104	Grand Challenges in Science

Quantitative Methods in **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

BVB101 | Foundations of Biology

BVB102 Evolution

Year 3, Semester 1

Experimental Design and BVB202 Quantitative Methods BVB301 Animal Biology

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

BVB304 Integrative Biology

Population Genetics and **BVB313** Molecular Ecology

Semester 2 (July) commencements

Year 1, Semester 2

(No Science units)

Year 2, Semester 1

SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
SEB115	Experimental Science 1

Year 2, Semester 2

BVB101 Foundations of Biology

SEB116 | Experimental Science 2

BVB102 Evolution

Science Major Unit Option

Year 3, Semester 1

Experimental Design and **BVB202** Quantitative Methods

BVB301 | Animal Biology

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

BVB304 Integrative Biology

BVB313

Population Genetics and Molecular Ecology

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.

Semesters

- Semester 1 (February) commencements
- Year 1, Semester
- 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

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

Semester 2 (July) commencements

Year 1, Semester 2





nformation Technology

f Ir	
S	
r t	
swap with Computer Science Major Unit Option in Y5S1.	
<u>S</u>	

OI II	IIO	mauon	recrinoio
			Science
		Year 1, S	emester 2
се			Core Unit O
		Science N	Лаjor Unit С
			emester 1
			Experimen
		SEB116	
		Year 2, S	emester 2
			Earth Syst
		ERB102	Evolving E
		Year 3, S	emester 1
		ERB201	Destructive
		EDDOOO	Hazards
		ERB202	Marine Ge
		Year 3, S	emester 2
		ERB203	Sedimenta Stratigraph
		ERB204	Deforming Fundamer
		LINDLO	Geology
		Year 4, S	emester 1
ies		ERB301	Chemical I
		ERB302	Applied Ge
/		Year 4, S	emester 2
		ERB303	Energy Re Analysis
ct	-	ERB304	Dynamic E Tectonics
or		Semester	· 2 (July) co
Jnit			emester 2
		(No Scier	
		•	emester 1
-		SEB104	Grand Cha
) .		SEB113	Quantitativ Science
	-	SEB115	Experimen
	-	SEB116	Experimen
			emester 2
		ERB101	Earth Syst
		ERB102	Evolving E
			//ajor Unit C
			emester 1
ents		ERB201	Destructive
		ERB202	Marine Ge
			emester 2
			Sedimenta
		ERB203	Stratigraph
		ERB204	Deforming Fundamer Geology
			Joseph

rmation	rechnology
	Science
Year 1, S	emester 2
Science (Core Unit Option
Science I	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 Geoscience
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
Semester	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
ERB101	Earth Systems
ERB102	Evolving Earth
Science I	Major Unit Option
Year 3, S	emester 1
ERB201	Destructive Earth: Natural Hazards

Year 4, Semester 2

	<u> </u>			
	Science	ERB303	Energy F	
Year 1, S	emester 2	LINDOOD	Analysis	
	Core Unit Option	ERB304	Dynamic Tectonics	
	Science Major Unit Option Year 2, Semester 1 Computer Science Computer S			
		Select Sc	_	
	Experimental Science 1 Experimental Science 2	swap with Option in		
	emester 2	Year 5, S		
	Earth Systems	Information		
	Evolving Earth	Select Sc		
	emester 1			
	Destructive Earth: Natural	Semeste		
ERB201	Hazards		<u>iester 1 (F</u>	
ERB202	Marine Geoscience		mencemer 1, Seme	
Year 3, S	emester 2	• Year	r 1, Seme	
ERB203	Sedimentary Geology and Stratigraphy	• Year	r 2, Seme r 2, Seme r 3, Seme	
ERB204	Deforming Earth: Fundamentals of Structural Geology	YearYearYear	r 3, Seme r 4, Seme r 4, Seme nester 2 (J	
Year 4, S	emester 1	• Year	r 1, Seme	
ERB301	Chemical Earth	 Year 	<u>r 2, Seme</u>	
ERB302	Applied Geophysics		r 2, Seme r 3, Seme	
Year 4, S	emester 2	 Year 	<u>r 3, Seme</u>	
ERB303	Energy Resources and Basin Analysis	• <u>Yea</u> ı	r 4, Seme r 4, Seme	
	,	Veal	r5 Seme	
ERB304	Dynamic Earth: Plate Tectonics	• Year	Title	
	Dynamic Earth: Plate	• <u>Year</u>	Title	
Semester	Dynamic Earth: Plate Tectonics	• <u>Year</u> Code	Title 1 (Februa	
Semester	Dynamic Earth: Plate Tectonics 2 (July) commencements emester 2	• <u>Year</u> Code Semester	Title 1 (Febru emester 1	
Semester Year 1, S (No Scier	Dynamic Earth: Plate Tectonics 2 (July) commencements emester 2	• Year Code Semester Year 1, S SEB104	Title 1 (February	
Semester Year 1, S (No Scier Year 2, S	Dynamic Earth: Plate Tectonics 2 (July) commencements emester 2 nce units)	• Year Code Semester Year 1, S SEB104 SEB113	Title 1 (Februi emester 1 Grand Cl Quantitat Science	
Semester Year 1, S (No Scier Year 2, S	Dynamic Earth: Plate Tectonics 2 (July) commencements emester 2 nce units) emester 1	• Year Code Semester Year 1, S SEB104	Title 1 (Februs emester 1 Grand Cl Quantitat Science emester 2	
Semester Year 1, S (No Scier Year 2, S SEB104	Dynamic Earth: Plate Tectonics 2 (July) commencements emester 2 nce units) emester 1 Grand Challenges in Science Quantitative Methods in	• Year Code Semester Year 1, S SEB104 SEB113 Year 1, S	Title 1 (February	
Semester Year 1, S (No Scier Year 2, S SEB104 SEB113	Dynamic Earth: Plate Tectonics 2 (July) commencements emester 2 nce units) emester 1 Grand Challenges in Science Quantitative Methods in Science	• Year Code Semester Year 1, S SEB104 SEB113 Year 1, S Science C Science N	Title 1 (February	
Semester Year 1, S (No Scier Year 2, S SEB104 SEB113 SEB115 SEB116	Dynamic Earth: Plate Tectonics 2 (July) commencements emester 2 nce units) emester 1 Grand Challenges in Science Quantitative Methods in Science Experimental Science 1	• Year Code Semester Year 1, S SEB104 SEB113 Year 1, S Science C	Title 1 (Februs emester 1 Grand Cl Quantitat Science emester 2 Core Unit Major Unit emester 1	
Semester Year 1, S (No Scier Year 2, S SEB104 SEB113 SEB115 SEB116	Dynamic Earth: Plate Tectonics 2 (July) commencements emester 2 nce units) emester 1 Grand Challenges in Science Quantitative Methods in Science Experimental Science 1 Experimental Science 2	• Year Code Semester Year 1, S SEB104 SEB113 Year 1, S Science (Science N Year 2, S	Title 1 (Februs emester 1 Grand Cl Quantitat Science emester 2 Core Unit Major Unit emester 1	
Semester Year 1, S (No Scier Year 2, S SEB104 SEB113 SEB115 SEB116 Year 2, S	Dynamic Earth: Plate Tectonics 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 Code Semester Year 1, S SEB104 SEB113 Year 1, S Science C Science N Year 2, S SEB115	Title 1 (Februs emester 1 Grand Cl Quantitat Science emester 2 Core Unit Major Unit emester 1 Experime	
Semester Year 1, S (No Scier Year 2, S SEB104 SEB113 SEB115 SEB116 Year 2, S ERB101 ERB102	Dynamic Earth: Plate Tectonics 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 Code Semester Year 1, S SEB104 SEB113 Year 1, S Science C Science N Year 2, S SEB115 SEB116	Title 1 (Februs emester 1 Grand Cl Quantitat Science emester 2 Core Unit Major Unit emester 1 Experime	
Semester Year 1, S (No Scier Year 2, S SEB104 SEB113 SEB115 SEB116 Year 2, S ERB101 ERB102 Science N	Dynamic Earth: Plate Tectonics 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 Code Semester Year 1, S SEB104 SEB113 Year 1, S Science O Science N Year 2, S SEB115 SEB116 Year 2, S ERB101	Title 1 (Februs emester 1 Grand Cl Quantitat Science emester 2 Core Unit Major Unit emester 1 Experime Experime emester 2	
Semester Year 1, S (No Scier Year 2, S SEB104 SEB113 SEB115 SEB116 Year 2, S ERB101 ERB102 Science N	Dynamic Earth: Plate Tectonics 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 Code Semester Year 1, S SEB104 SEB113 Year 1, S Science C Science N Year 2, S SEB116 Year 2, S ERB101 EVB102	Title 1 (Februs emester 1 Grand Cl Quantitat Science emester 2 Core Unit emester 1 Experime Experime emester 2 Earth Syste	
Semester Year 1, S (No Scier Year 2, S SEB104 SEB113 SEB115 SEB116 Year 2, S ERB101 ERB102 Science M Year 3, S	Dynamic Earth: Plate Tectonics 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	• Year Code Semester Year 1, S SEB104 SEB113 Year 1, S Science C Science N Year 2, S SEB115 SEB116 Year 2, S ERB101 EVB102 Year 3, S	Title 1 (Februs emester 1 Grand Cl Quantitat Science emester 2 Core Unit emester 1 Experime Experime emester 2 Earth Syste Environn	
Semester Year 1, S (No Scier Year 2, S SEB104 SEB113 SEB115 SEB116 Year 2, S ERB101 ERB102 Science M Year 3, S ERB201 ERB202	Dynamic Earth: Plate Tectonics 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	• Year Code Semester Year 1, S SEB104 SEB113 Year 1, S Science C Science N Year 2, S SEB116 Year 2, S ERB101 EVB102	Title 1 (Februs emester 1 Grand Cl Quantitat Science emester 2 Core Unit Major Unit emester 1 Experime Experime emester 2 Earth System Ecosystem Environmemester 1	
Semester Year 1, S (No Scier Year 2, S SEB104 SEB113 SEB115 SEB116 Year 2, S ERB101 ERB102 Science M Year 3, S ERB201 ERB202	Dynamic Earth: Plate Tectonics 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 Geoscience	• Year Code Semester Year 1, S SEB104 SEB113 Year 1, S Science C Science N Year 2, S SEB115 SEB116 Year 2, S ERB101 EVB102 Year 3, S	Title 1 (Februs emester 1 Grand Cl Quantitat Science emester 2 Core Unit Major Unit emester 1 Experime Experime emester 2 Earth System Ecosystem Environm emester 1 Experime	
Semester Year 1, S (No Scier Year 2, S SEB104 SEB113 SEB115 SEB116 Year 2, S ERB101 ERB102 Science M Year 3, S ERB201 ERB202 Year 3, S	Dynamic Earth: Plate Tectonics 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 Geoscience emester 2 Sedimentary Geology and Stratigraphy Deforming Earth:	• Year Code Semester Year 1, S SEB104 SEB113 Year 1, S Science (Science N Year 2, S SEB115 SEB116 Year 2, S ERB101 EVB102 Year 3, S BVB202	Title 1 (Februs emester 1 Grand Cl Quantitat Science emester 2 Core Unit emester 1 Experime Experime emester 2 Earth System Environm emester 1 Experime Quantitat Geospati Science	
Semester Year 1, S (No Scier Year 2, S SEB104 SEB113 SEB115 SEB116 Year 2, S ERB101 ERB102 Science M Year 3, S ERB201 ERB202 Year 3, S	Dynamic Earth: Plate Tectonics 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 Geoscience emester 2 Sedimentary Geology and Stratigraphy Deforming Earth: Fundamentals of Structural	• Year Code Semester Year 1, S SEB104 SEB113 Year 1, S Science C Science N Year 2, S SEB115 SEB116 Year 2, S ERB101 EVB102 Year 3, S BVB202 EVB203	Title 1 (Februs emester 1 Grand Cl Quantitat Science emester 2 Core Unit emester 1 Experime Experime emester 2 Earth System Environm emester 1 Experime Quantitat Geospati Science	
Semester Year 1, S (No Scier Year 2, S SEB104 SEB113 SEB115 SEB116 Year 2, S ERB101 ERB102 Science M Year 3, S ERB201 ERB202 Year 3, S ERB203	Dynamic Earth: Plate Tectonics 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 Geoscience emester 2 Sedimentary Geology and Stratigraphy Deforming Earth: Fundamentals of Structural Geology	• Year Code Semester Year 1, S SEB104 SEB113 Year 1, S Science C Science N Year 2, S SEB115 SEB116 Year 2, S ERB101 EVB102 Year 3, S BVB202 EVB203 Year 3, S	Title 1 (Februs emester 1 Grand Cl Quantitat Science emester 2 Core Unit of Major Unit emester 1 Experime Experime emester 2 Earth Syste Environm emester 1 Experime Quantitat Geospati Science emester 2	
Semester Year 1, S (No Scier Year 2, S SEB104 SEB113 SEB115 SEB116 Year 2, S ERB101 ERB102 Science M Year 3, S ERB201 ERB202 Year 3, S ERB203	Dynamic Earth: Plate Tectonics 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 Geoscience emester 2 Sedimentary Geology and Stratigraphy Deforming Earth: Fundamentals of Structural Geology emester 1	• Year Code Semester Year 1, S SEB104 SEB113 Year 1, S Science C Science N Year 2, S SEB115 SEB116 Year 2, S ERB101 EVB102 Year 3, S BVB202 EVB203 Year 3, S BVB204	Title 1 (Februs emester 1 Grand Cl Quantitat Science emester 2 Core Unit emester 1 Experime Experime emester 2 Earth Sys Ecosyste Environm emester 1 Experime Quantitat Geospati Science emester 2 Ecology Environm	
Semester Year 1, S (No Scier Year 2, S SEB104 SEB113 SEB115 SEB116 Year 2, S ERB101 ERB102 Science M Year 3, S ERB201 ERB202 Year 3, S ERB203	Dynamic Earth: Plate Tectonics 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 Geoscience emester 2 Sedimentary Geology and Stratigraphy Deforming Earth: Fundamentals of Structural Geology emester 1	• Year Code Semester Year 1, S SEB104 SEB113 Year 1, S Science C Science N Year 2, S SEB115 SEB116 Year 2, S ERB101 EVB102 Year 3, S BVB202 EVB203 Year 3, S BVB204 EVB302	Title 1 (Februs emester 1 Grand Cl Quantitat Science emester 2 Core Unit emester 1 Experime Experime emester 2 Earth Sys Ecosyste Environm emester 1 Experime Quantitat Geospati Science emester 2 Ecology Environm	

ERB303	Energy Resources and Basin Analysis
ERB304	Dynamic Earth: Plate Tectonics
0	. 0 -:

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.

Semesters

- Semester 1 (February) commencements
- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1Year 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	B113 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

I	ERB101	Earth Systems
ı	EVB102	Ecosystems and the Environment

Year 3, Semester 1

BVB202	Quantitative Methods
EVB203	Geospatial Information Science

Year 3, Semester 2

EVB302	Environmental Pollution

Year 4, Semester 1

BVB311 Conservation Biology EVB312 Soils and the Environment

Year 4, Semester 2

Code	Title
Semester	1 (February) commencements
Year 1, Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in

Dacifici	or or science/bachelor or r	
ERB310	Groundwater Systems	
EVB304	Case Studies in Environmental Science	
Semester	r 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 Environment	
Science I	Major Unit Option	
	emester 1	
	Experimental Design and	
BVB202	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	semester 2	
ERB310	Groundwater Systems	
EVB304	Case Studies in Environmental Science	
Computer Science major students - Select Science Core Unit Option here or swap with Computer Science Major Unit Option in Y5S1.		
Year 5, S	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 2Year 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

ormation	Technology
Code	Title
Semester	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
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	emester 1
PVB200	Computational and Mathematical Physics
PVB203	Experimental Physics
Year 3, S	emester 2
PVB202	Mathematical Methods in Physics
PVB204	Electromagnetism
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
Semester	2 (July) commencements
Year 1, S	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

PVB101 Physics of the Very Large

PVB102 Physics of the Very Small

PVB203 Experimental Physics

Physics

PVB204 Electromagnetism

Computational and

Mathematical Physics

Mathematical Methods in

Algebra

Introductory Calculus and

Year 2, Semester 2

Year 3, Semester 1

Year 3, Semester 2

Year 4, Semester 1

MXB100

PVB200

PVB202

	PVB301	Materials and Thermal Physics
	PVB302	Classical and Quantum Physics
-	Year 4, S	emester 2
	PVB303	Nuclear and Particle Physics
	PVB304	Physics Research
	Select Sc	r Science major students - ience Core Unit Option here or n Computer Science Major Unit Y5S1.
	Year 5, S	emester 1
		on Systems major students - ience Core Unit Option here.





Year	2020
QUT code	SE60
CRICOS	084923F
Duration (full-time)	5 years
ОР	12
Rank	75
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$9,600 per year full-time (96 credit points)
International fee (indicative)	2020: \$38,500 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	SEF Enquiry - email: sef.enquiry@qut.edu.au; ph: +61 7 3138 8822
Discipline Coordinator	Dr Thomas Rainey (Chemical Process), Associate Professor Jonathan Bunker (Civil); Dr Wayne Kelly (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 Wayne Kelly

Systems)

(Computer Science); and Dr Erwin Fielt (Information

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)

We assume that you have knowledge equivalent to four semesters at high school level (Years 11 and 12) with sound achievement (4, SA). Recommended study: Chemistry, Maths C and Physics.

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies. Recommended study: Chemistry, Maths C and Physics.

Minimum English requirements

Students must meet the English proficiency requirements.

English Language
6.5
6.0
6.0
6.0
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

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 PLEASE NOTE:

For students taking the IT: Computer Science major with Engineering: Computer & Software Systems major. please refer to the "IT Units: Computer Science/Eng Computer Software Sys Majors ONLY (SE60MJR-CSSES)" structure instead.

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
- Computer Science Major Unit

Optio	<u>Options</u>	
Code	Title	
Semester	1 (February) commencements	
Year 1, S		
IFB102	Introduction to Computer	
11 10 102	Systems	
IFB103	IT Systems Design	
Year 1, S	emester 2	
IFB104	Building IT Systems	
IFB105	Database Management	
Year 2, S	emester 1	
	eering students majoring in:	
	hanical, Medical or	
	Chemical Process major -	
	nit Option	
	nit Option	
	eering students majoring in:	
	Electrical & Aerospace or nics major -	
	nit Option	
	Programming Principles	
	emester 2	
	eering students majoring in: hanical, Medical or	
	Chemical Process major -	
CAB201	Programming Principles	
CAROOS	Microprocessors and Digital	
CAB202	Systems	
	lect CAB202 from the	
	Science Major Option list -	
	npulsory in the IT component if in these engineering majors.)	
	For Engineering students majoring in: Electrical, Electrical & Aerospace or	
	nics major -	
IT Core U	IT Core Unit Option	
Computer Science Major Unit Option 1		
(Note: CA	B202 will be available as core	
in the eng	ineering component if majoring	
	ngineering majors.)	
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, Semester 2

IFB399

Capstone Project (Phase 2)

Computer Science Major Unit Option 2

Semester 2 (July) commencements

acneior	of information Techno
Year 1, S	emester 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
CAB201	Programming Principles
IT Core C	Option
Year 3, S	emester 1
CAB203	Discrete Structures
Civil, Med	neering students majoring in chanical, Medical or Chemical Process major -
CAB202	Microprocessors and Digital Systems
Electrical	neering students majoring in , Electrical & Aerospace or inics major -
Compute	r Science Major Unit Option
Year 3, S	emester 2
CAB303	Networks
IFB295	IT Project Management
Year 4, S	emester 1
CAB301	Algorithms and Complexity
CAB302	Software Development
Year 4, S	emester 2
IFB398	Capstone Project (Phase 1
IT Core U	Jnit Option
OR	
Compute	r Science Major Unit Option
Year 5, S	emester 1
IFB399	Capstone Project (Phase 2
Compute	r Science Major Unit Option

	CAB420	Machine Learning
	CAB430	Data and Information Integration
	CAB432	Cloud Computing
	CAB440	Network and Systems Administration
PLEASE NOTE:		
This structure Is ONLY for the		

combination of IT Computer Science and **Engineering Computer & Software** Systems Majors.

Semesters

- Semester 1 (February) commencements
- Year 1, Semester 1
- Year 1, Semester 2Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2Year 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
- Computer Science Major Unit

<u>Opti</u>	<u>ons</u>
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 Cara I	Init Ontion

IT Core Unit Option

IT Core Unit Option

Year 2, Semester 2

Computer Science Major Unit Option 1 Computer Science Major Unit Option 2 CAB201 and CAB202 are core to EN01 Computer Software Systems Major

CAB301 Algorithms and Complexity

Year 3, Semester 1	
CAB203	Discrete Structures
CAB302	Software Development
Year 3, Semester 2	
CAB303	Networks
IFB295 IT Project Management	
Year 4, Semester 1	

OR

CAB202

CAB220

CAB401

IT Core Unit Option

selected previously.)

(Select IT Core Unit Option here, if not

Computer Science Major Unit Options

Software Systems, Electrical, Electrical

& Aerospace or Mechatronics in which

Fundamentals of Data

High Performance and

Parallel Computing

CAB402 | Programming Paradigms

CAB403 Systems Programming

you will complete CAB202 in your

Engineering component.)

CAB340 Cryptography

Science CAB320 | Artificial Intelligence

Systems

(CAB202 is CORE unless your Engineering major is in Computer &

Microprocessors and Digital

Bachel	or of Engineering (Honours)/
IFB398	Capstone Project (Phase 1)
Year 4, S	semester 2
IFB399	Capstone Project (Phase 2)
Compute	r Science Major Unit Option 3
Semeste	r 2 (July) commencements
Year 1, S	Semester 2
IFB102	Introduction to Computer
11 10102	Systems
IFB103	IT Systems Design
	emester 1
IFB104	Building IT Systems
IFB105	Database Management
100	emester 2
	r Science Major Unit Option 1
	Jnit Option
	emester 1
	Discrete Structures
-	r Science Major Unit Option 2
	emester 2
CAB303	
IFB295	IT Project Management
	emester 1
	Algorithms and Complexity
CAB302	Software Development
	emester 2
IFB398	Capstone Project (Phase 1)
	Init Option
OR	r Saignes Major Unit Ontion 2
	r Science Major Unit Option 3 emester 1
IFB399	Capstone Project (Phase 2)
	r Science Major Unit Option 3
OR	T Colonice Wajer Offic Option 6
	Jnit Option
	Core Unit Option here, if not
,	previously.)
Compute	r Science Major Unit Options
	01 and CAB202 are core to
	mputer Software Systems
	E60MJR-CSSECS students will two extra Computer Science
	tion units in place of CAB201
and CAB	
CAB310	Interaction and Experience
CAB320	Design Artificial Intelligence
CAB330	Data and Web Analytics
CAB340	•
CAB340 CAB401	Cryptography High Performance and
CAB401	Cryptography High Performance and Parallel Computing
CAB401 CAB402	Cryptography High Performance and Parallel Computing Programming Paradigms
CAB401 CAB402 CAB420	Cryptography High Performance and Parallel Computing
CAB401 CAB402	Cryptography High Performance and Parallel Computing Programming Paradigms Machine Learning

CAB432	Cloud Computing
CAB440	Network and Systems Administration
CAB441	Network Security

Semesters

- Semester 1 (February) commencements
- Year 1, Semester 1Year 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 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 IAB201 Modelling Techniques for Information Systems IAB207 Rapid Web Application Development Year 3, Semester 1 IAB203 Business Process Modelling IAB204 Business Requirements Analysis Year 3, 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 IAB207 IAB208 Data Analytics for Business Insight IAB309 Business Process Improvement IAB300 Information Systems	• Year 5, Semester 1		
Tear 1, Semester 1	Code	Title	
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 IT Core Unit Option Year 2, Semester 2 IAB201 Modelling Techniques for Information Systems IAB207 Rapid Web Application Development Year 3, Semester 1 IAB203 Business Process Modelling IAB204 Business Requirements Analysis Year 3, 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 IAB303 Data Analytics for Business Insight IAB320 Business Process Improvement	Semester	1 (February) commencements	
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 IAB201 Modelling Techniques for Information Systems IAB207 Rapid Web Application Development Year 3, Semester 1 IAB203 Business Process Modelling IAB204 Business Requirements Analysis Year 3, 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 IAB303 Data Analytics for Business Insight IAB320 Business Process Improvement	Year 1, S	emester 1	
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 IAB201 Modelling Techniques for Information Systems IAB207 Rapid Web Application Development Year 3, Semester 1 IAB203 Business Process Modelling IAB204 Business Requirements Analysis Year 3, 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 IAB303 Data Analytics for Business Insight IAB320 Business Process Improvement	IFB102		
IFB104 Building IT Systems IFB105 Database Management Year 2, Semester 1 IT Core Unit Option IT Core Unit Option Year 2, Semester 2 IAB201 Modelling Techniques for Information Systems IAB207 Rapid Web Application Development Year 3, Semester 1 IAB203 Business Process Modelling IAB204 Business Requirements Analysis Year 3, 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 IAB303 Data Analytics for Business Insight IAB320 Business Process Improvement	IFB103	IT Systems Design	
IFB105 Database Management Year 2, Semester 1 IT Core Unit Option IT Core Unit Option Year 2, Semester 2 IAB201 Modelling Techniques for Information Systems IAB207 Rapid Web Application Development Year 3, Semester 1 IAB203 Business Process Modelling IAB204 Business Requirements Analysis Year 3, 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 IAB303 Data Analytics for Business Insight IAB320 Business Process Improvement	Year 1, S	emester 2	
Year 2, Semester 1 IT Core Unit Option IT Core Unit Option Year 2, Semester 2 IAB201	IFB104	Building IT Systems	
IT Core Unit Option IT Core Unit Option Year 2, Semester 2 IAB201	IFB105	Database Management	
IT Core Unit Option Year 2, Semester 2 IAB201	Year 2, S	emester 1	
Year 2, Semester 2 IAB201	IT Core U	Init Option	
IAB201 Modelling Techniques for Information Systems IAB207 Rapid Web Application Development Year 3, Semester 1 IAB203 Business Process Modelling IAB204 Business Requirements Analysis Year 3, 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 IAB303 Data Analytics for Business Insight IAB320 Business Process Improvement	IT Core U	Init Option	
Information Systems IAB207 Rapid Web Application Development Year 3, Semester 1 IAB203 Business Process Modelling IAB204 Business Requirements Analysis Year 3, 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 IAB303 Data Analytics for Business Insight IAB320 Business Process Improvement	Year 2, S	emester 2	
Pevelopment Year 3, Semester 1 IAB203 Business Process Modelling Business Requirements Analysis Year 3, 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 IAB303 Data Analytics for Business Insight IAB320 Business Process Improvement	IAB201		
IAB203 Business Process Modelling IAB204 Business Requirements Analysis Year 3, 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 IAB303 Data Analytics for Business Insight IAB320 Business Process Improvement	IAB207		
IAB204 Business Requirements Analysis Year 3, 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 IAB303 Data Analytics for Business Insight IAB320 Business Process Improvement	Year 3, S	emester 1	
Analysis Year 3, 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 IAB303 Data Analytics for Business Insight IAB320 Business Process Improvement	IAB203	Business Process Modelling	
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 IAB303 Data Analytics for Business Insight IAB320 Business Process Improvement	IAB204		
Management IFB295 IT Project Management Year 4, Semester 1 IFB398 Capstone Project (Phase 1) Select one of: IAB206 Modern Data Management IAB260 Social Technologies IAB303 Data Analytics for Business Insight IAB320 Business Process Improvement	Year 3, S	emester 2	
Year 4, Semester 1 IFB398 Capstone Project (Phase 1) Select one of: IAB206 Modern Data Management IAB260 Social Technologies IAB303 Data Analytics for Business Insight IAB320 Business Process Improvement	IAB305		
IFB398 Capstone Project (Phase 1) Select one of: IAB206 Modern Data Management IAB260 Social Technologies IAB303 Data Analytics for Business Insight IAB320 Business Process Improvement	IFB295	IT Project Management	
Select one of: IAB206 Modern Data Management IAB260 Social Technologies IAB303 Data Analytics for Business Insight IAB320 Business Process Improvement	Year 4, S	emester 1	
IAB206 Modern Data Management IAB260 Social Technologies IAB303 Data Analytics for Business Insight IAB320 Business Process Improvement	IFB398	Capstone Project (Phase 1)	
IAB260 Social Technologies IAB303 Data Analytics for Business Insight IAB320 Business Process Improvement	Select on	e of:	
IAB303 Data Analytics for Business Insight IAB320 Business Process Improvement	IAB206	Modern Data Management	
IAB303 Insight IAB320 Business Process Improvement	IAB260	Social Technologies	
Improvement	IAB303		
IAB402 Information Systems	IAB320		
	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	emester 1
IFB104	Building IT Systems
IFB105	Database Management
Year 2, S	emester 2
IAB201	Modelling Techniques for Information Systems
IT Core U	nit Option
Year 3, S	emester 1
IAB204	Business Requirements Analysis
IAB207	Rapid Web Application Development
	·
Year 3, S	emester 2
Year 3, S	emester 2 Information Systems Lifecycle Management
IAB305	Information Systems Lifecycle
IAB305 IT Core U	Information Systems Lifecycle Management
IAB305 IT Core U	Information Systems Lifecycle Management nit Option
IAB305 IT Core U Year 4, S	Information Systems Lifecycle Management Init Option emester 1
IAB305 IT Core U Year 4, S IAB203 IFB295	Information Systems Lifecycle Management nit Option emester 1 Business Process Modelling
IAB305 IT Core U Year 4, S IAB203 IFB295	Information Systems Lifecycle Management Init Option Init Option Init Option In Business Process Modelling IT Project Management
IAB305 IT Core U Year 4, S IAB203 IFB295 Year 4, S	Information Systems Lifecycle Management Init Option emester 1 Business Process Modelling IT Project Management emester 2
IAB305 IT Core U Year 4, S IAB203 IFB295 Year 4, S IAB401	Information Systems Lifecycle Management init Option emester 1 Business Process Modelling IT Project Management emester 2 Enterprise Architecture Capstone Project (Phase 1)
IAB305 IT Core U Year 4, S IAB203 IFB295 Year 4, S IAB401 IFB398	Information Systems Lifecycle Management init Option emester 1 Business Process Modelling IT Project Management emester 2 Enterprise Architecture Capstone Project (Phase 1)
IAB305 IT Core U Year 4, S IAB203 IFB295 Year 4, S IAB401 IFB398 Year 5, S	Information Systems Lifecycle Management nit Option emester 1 Business Process Modelling IT Project Management emester 2 Enterprise Architecture Capstone Project (Phase 1) emester 1 Capstone Project (Phase 2)
IAB305 IT Core U Year 4, S IAB203 IFB295 Year 4, S IAB401 IFB398 Year 5, S IFB399	Information Systems Lifecycle Management nit Option emester 1 Business Process Modelling IT Project Management emester 2 Enterprise Architecture Capstone Project (Phase 1) emester 1 Capstone Project (Phase 2)
IAB305 IT Core U Year 4, S IAB203 IFB295 Year 4, S IAB401 IFB398 Year 5, S IFB399 Select ON	Information Systems Lifecycle Management nit Option emester 1 Business Process Modelling IT Project Management emester 2 Enterprise Architecture Capstone Project (Phase 1) emester 1 Capstone Project (Phase 2) IE of:
IAB305 IT Core U Year 4, S IAB203 IFB295 Year 4, S IAB401 IFB398 Year 5, S IFB399 Select ON IAB206	Information Systems Lifecycle Management init Option emester 1 Business Process Modelling IT Project Management emester 2 Enterprise Architecture Capstone Project (Phase 1) emester 1 Capstone Project (Phase 2) NE of: Modern Data Management
IAB305 IT Core U Year 4, S IAB203 IFB295 Year 4, S IAB401 IFB398 Year 5, S IFB399 Select ON IAB206 IAB260	Information Systems Lifecycle Management nit Option emester 1 Business Process Modelling IT Project Management emester 2 Enterprise Architecture Capstone Project (Phase 1) emester 1 Capstone Project (Phase 2) NE of: Modern Data Management Social Technologies Data Analytics for Business

Semesters

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

Code Title Semester 1 (February) commencements



Bachel	or of Engineering (Honou	
Year 1 - 9	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 - 3	Semester 1	
EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	
Year 2 - S	Semester 2	
EGB120	Foundations of Electrical Engineering	
	on Unit Option	
Year 3 - S	Semester 1	
CAB202	Microprocessors and Digital Systems	
EGB242	Signal Analysis	
	Semester 2	
CAB201	Programming Principles	
	ate Electrical Option Unit	
	Semester 1	
	Electronic Design	
	ate Software Option Unit	
For students with Computer Science Major: CAB301 and CAB302 are core to the Computer Science Major. Please contact Science and Engineering Faculty to be provided a list of additional units you can select from.		
Year 4 - 9	Semester 2	
CAB403	Systems Programming	
Intermedi Option Ui	ate Electrical or Software	
Year 5 - 9	Semester 1	
EGH404	Research in Engineering Practice	
EGH400 -1	Research Project 1	
Advanced Unit	d Electrical or Software Option	
EGH456	Embedded Systems	
Year 5 - 8	Semester 2	
EGH400 -2	Research Project 2	
EGH455	Advanced Systems Design	
Advanced	d Electrical Option Unit	
Advanced	d Software Option Unit	
Semeste	ers	

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

Title Code Semester 1 (February) commencements Year 1 - Semester 1 Energy in Engineering **EGB113**

Systems Introductory Engineering MZB125 Mathematics

OR

MXB161 Computational Explorations

Year 1 - Semester 2 Engineering Sustainability and **EGB100**

Professional Practice MZB126 Engineering Computation

Year 2 - Semester 1

Foundation of Engineering **EGB111** Design

EGB121 Engineering Mechanics

Year 2 - Semester 2

Foundations of Electrical EGB120 Engineering

Foundation Unit Option

Year 3 - Semester 1

EGB261 Unit Operations

EGB323 Fluid Mechanics

Year 3 - Semester 2

CVB101 General Chemistry EGB322 Thermodynamics

Year 4 - Semester 1

EGB262 Process Principles Minerals and Minerals **EGB361** Processing

Year 4 - Semester 2

EGB364 Process Modelling EGH411 Industrial Chemistry

Year 5 - Semester 1

Operations Management and EGB362 Process Economics EGH400 Research Project 1 -1 Research in Engineering **EGH404** Practice

EGH463 Plant and Process Design

Year 5 - Semester 2

EGH400 Research Project 2 -2 EGH422 | Advanced Thermodynamics EGH423 Fluids Dynamics

EGH462 Process Control

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 2Year 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 - Semester 1

Foundation of Engineering **EGB111** Design

EGB121 Engineering Mechanics

Year 2 - Semester 2

EGB123 Civil Engineering Systems

Foundation Unit Option Year 3 - Semester 1

EGB270 | Civil Engineering Materials Traffic and Transport

EGB272 Engineering

Year 3 - Semester 2 EGB273 | Principles of Construction

EGB373 | Geotechnical Engineering

Year 4, Semester 1

EGB275 Structural Mechanics

EGB371 Engineering Hydraulics

Year 4 - Semester 2 EGB376 Steel Design

EGH471 Advanced Water Engineering

Year 5 - Semester 1

EGB375 Design of Concrete Structures EGH400 Research Project 1

-1

Research in Engineering EGH404 Practice

Advanced Geotechnical **EGH473** Engineering

Year 5 - Semester 2

EGH400 Research Project 2



-2	
EGH472	Advanced Highway and Pavement Engineering
EGH475	Advanced Concrete Structures
EGH479	Advances in Civil Engineering Practice

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

Code	Title
Semester	1 (February) commencements
Year 1 - S	Semester 1
ECD112	Energy in Engineering

EGB113 Systems Introductory Engineering MZB125 Mathematics

OR

MXB161 | Computational Explorations

Year 1 - Semester 2

EGB100	Professional Practice
MZB126	Engineering Computation

Year 2 - Semester

EGB111	Foundation of Engineering Design
FGB121	Engineering Mechanics

EGB121 | Engineering Mechanics

Year 2 - Semester 2

CAB202	Microprocessors and Digital Systems
EGB120	Foundations of Electrical Engineering

Year 3 - Semester 1

EGB240	Electronic Design
EGB241	Electromagnetics and Machines

Year 3 - Semester 2

EGB242 | Signal Analysis

Intermediate 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 - Semester 1

EGB340 Design and Practice

Foundation Unit Option

Year 4 - Semester 2

Intermediate Electrical Option Unit (2)

Year 5 - Semester 1

EGH400 -1

EGH404

Research Project 1

Research in Engineering Practice

Advanced Electrical Option Unit (1)

Advanced Electrical Option Unit (2)

Year 5 - Semester 2

EGH400 -2

Research Project 2

Advanced Electrical Option Unit (3) Advanced Electrical Option Unit (4) Advanced Electrical Option Unit (5)

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

Code Title

Semester 1 (February) commencements

Year 1 - Semester 1

EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
MXB161	Computational Explorations

Year 1 - Semester 2

EGB100	Professional Practice
MZB126	Engineering Computation

Year 2 - Semester 1

EGB111	Four Desi	n of	En	igin	eering
			_		

EGB121 Engineering Mechanics

Year 2 - Semester 2

EGB120	Engineering
	Engineering

Foundation Unit Option

Year 3 - Semester 1

CAB202	Microprocessors and Digital Systems
ECD240	Clastrania Daniera

EGB240 Electronic Design

Year 3 - Semester 2

EGB242 Signal Analysis

Intermediate Electrical Option Unit

Year 4 - Semester 1

EGB243	Aircraft Systems and Flight
EGB349	Systems Engineering and

	Design Project		
Year 4 - Semester 2			
EGB345	Control and Dynamic Systems		
EGB346	Unmanned Aircraft Systems		
Year 5 - 8	Semester 1		
EGH400 -1	Research Project 1		
EGH404	Research in Engineering Practice		
EGH446	Autonomous Systems		
Advanced Electrical Option Unit			
Year 5 - Semester 2			
EGH400 -2	Research Project 2		
EGH445	Modern Control		
EGH450	Advanced Unmanned Aircraft Systems		
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
- 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

Energy in Engineering EGB113 Systems

Introductory Engineering MZB125 Mathematics

OR

MXB161 | Computational Explorations

Year 1 - Semester 2

Engineering Sustainability and EGB100 Professional Practice

MZB126 Engineering Computation

Year 2 - Semester 1

Foundation of Engineering **EGB111** Design

EGB121 Engineering Mechanics

Year 2 - Semester 2

Foundations of Electrical EGB120 Engineering

Foundation Unit Option

Year 3 - Semester 1

EGB214 | Materials and Manufacturing EGB314 Strength of Materials

Year 3 - Semester 2

EGB210 Fundamentals of Mechanical



	Design	
EGB211	Dynamics	
Year 4 - Semester 1		
EGB321	Dynamics of Machines	
EGB323	Fluid Mechanics	
Year 4 - 9	Semester 2	
EGB322	Thermodynamics	
EGH404	Research in Engineering Practice	
Year 5 - 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	Advanced Thermodynamics	
EGH423	Fluids Dynamics	

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

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 - 9	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - Semester 1	
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - Semester 2	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
EGB211	Dynamics

EGB242	Signal Analysis		
Year 3 - 8	Semester 2		
CAB202	Microprocessors and Digital Systems		
EGB345	Control and Dynamic Systems		
Year 4 - 9	Semester 1		
EGB220	Mechatronics Design 1		
EGB321	Dynamics of Machines		
Year 4 - 9	Semester 2		
EGB320	Mechatronics Design 2		
Intermediate Electrical Option Unit			
Year 5 - 8	Year 5 - Semester 1		
EGH400 -1	Research Project 1		
EGH404	Research in Engineering		
	Practice		
EGH419	1 Tubiloo		
EGH419 EGH446	1 Tubiloo		
EGH446	Mechatronics Design 3		
EGH446	Mechatronics Design 3 Autonomous Systems		
EGH446 Year 5 - 8 EGH400	Mechatronics Design 3 Autonomous Systems Gemester 2 Research Project 2		
EGH446 Year 5 - 5 EGH400 -2	Mechatronics Design 3 Autonomous Systems Semester 2 Research Project 2 Advanced Dynamics		
EGH446 Year 5 - S EGH400 -2 EGH413 EGH445	Mechatronics Design 3 Autonomous Systems Semester 2 Research Project 2 Advanced Dynamics		

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 1Year 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	
EGB100 MZB126	,	
MZB126	Professional Practice	
MZB126	Professional Practice Engineering Computation	
MZB126 Year 2 - S	Professional Practice Engineering Computation Semester 1 Foundation of Engineering	
MZB126 Year 2 - S EGB111 EGB121	Professional Practice Engineering Computation Semester 1 Foundation of Engineering Design	

Foundation Unit Option	
Year 3 - Semester 1	
EGB314	Strength of Materials
LSB131	Anatomy
Year 3 - 8	Semester 2
EGB211	Dynamics
LSB231	Physiology
Year 4 - S	Semester 1
EGB214	Materials and Manufacturing
EGB323	Fluid Mechanics
Year 4 - 8	Semester 2
EGB210	Fundamentals of Mechanical Design
EGH404	Research in Engineering Practice
Year 5 - S	Semester 1
EGB319	BioDesign
EGH400 -1	Research Project 1
EGH414	Stress Analysis
EGH438	Biomaterials
Year 5 - Semester 2	
EGH400 -2	Research Project 2
EGH424	Biofluids
EGH435	Modelling and Simulation for Medical Engineers
EGH418	Biomechanics





Bachelor of Games and Interactive Environments/Bachelor of Mathematics

Year	2020
QUT code	SE70
CRICOS	092653A
Duration (full-time)	4 years
ОР	6
Rank	89
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$9,600 per year full-time (96 credit points)
International fee (indicative)	2020: \$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); email: sef.enquiry@qut.edu.au; ph: +61 7 3138 8822
Discipline Coordinator	Dr Pascal Buenzli (Applied and Computational Mathematics); Dr Paul Wu (Operations Research; and Statistics).

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)

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:

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

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

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 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

Mathematics component:

- 6 core units (72 credit points), which are further divided into 4 mathematics core units (48 credit points), and 2 core option units* (24 credit points) selected from an approved list.
- 10 major core units (120 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 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

Mathematics component:

- 6 core units (72 credit points), which are further divided into 4 mathematics core units (48 credit points), and 2 core option units* (24 credit points) selected from an approved list.
- 10 major core units (120 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



Bachelor of Games and Interactive Environments/Bachelor of Mathematics

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.

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
- Semester

	rour r,	COITICOLOI	_
•	Year 4,	Semester 2	2

Code	Title
Year 1, S	emester 1
IGB180	Computer Games Studies
IGB181	Game Production and Technology
Year 1, S	emester 2
IFB103	IT Systems Design
IFB104	Building IT Systems
Vear 2 S	emester 1

IGB100	Game Studio 1: Mini-Game
100 100	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 Game Development
LANDOOT	00LT 1 1 :

KNB227 | CGI Technologies

Year 4, Semester 1

1C3B300	Capstone Project (Game Design)
IZNIDO47	District Connections

KNB217 Digital Creatures

Year 4. Semester 2

IGB301	Capstone Project (Game
IGB301	Development)
IGB400	Game Studio 3: Game

Semesters

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

-	\/ ··	\sim	O	nester	\sim

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

Year 4, Semester 1Year 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 Core Unit Option Year 2, Semester 2		
		IGB220

IGB220	Fundamentals of Game Design
DXB205	Interactive Narrative Design

Year 3, Semester 1

DXB211 | Creative Coding **BGIE Core Unit Option**

Year 3, Semester 2

IGB200	Game Studio 2: Applied Game Development
IGB321	Immersive Game Level Design

(note: IGB321 is no longer offered for SEM-2 '2020'. If you need to take IGB321 in SEM-2 2020, please contact the Faculty for assistance. It will be substituted with CAB210 for SEM-2 2020 (if not already updated in your Game Design major IN05MJR-GAMEDES).

Year 4, Semester 1

IGB320	Contexts	
IGB300	Capstone Project (Game Design)	
Year 4, Semester 2		

,	
IGB301	Capstone Project (Game Development)
IGB400	Game Studio 3: Game Innovation

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

IGB180	Computer Games Studies	
IGB181	Game Production and Technology	
Year 1, Semester 2		

IFB103	IT Systems Design
IFB104	Building IT Systems

ear 2, Semester

	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, Semester 1

CAB301 Algorithms and Complexity

BGIE Core Unit Option

Year 3, Semester 2

IGB381 Game Engine Technology

(note: IGB381 is no longer offered for SEM-2 2020. If you need to take IGB381 in SEM-2 2020, please contact the Faculty for assistance. It will be replaced with IFN692 (if not already updated in your Software Technologies major IN05MJR-SOFTECH).

Year 4, Semester 1

IGB300	Capstone Project (Game Design)
IGB383	Al for Games

Year 4, Semester 2

IGB301	Capstone Project (Game Development)	
IGB400	Game Studio 3: Game Innovation	
	IIIIOValion	

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 a	nd Computational Mathematics
Major uni	t set:
Year 1 Se	emester 1
	Alastus at Mathamatical

Abstract Mathematical MXB102 Reasoning

MXB106 Linear Algebra

Year 1 Semester 2

Calculus and Differential MXB105 Equations

Bachelor of Games and Interactive Environments/Bachelor of Mathematics

MXB161	Computational Explorations		
Year 2 Se	emester 1		
MXB101	Probability and Stochastic Modelling 1		
Maths Co	re Options Unit		
Year 2 Se	Year 2 Semester 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 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 1Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1Year 4 Semester 2

Code	Title		
Operation	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		
MXB161	Computational Explorations		
Year 2 Se	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 Semester 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

- Statistical Science Major unit set:
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2

	4 Semester Z
Code	Title
Statistical	Science Major unit set:
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
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	2020
QUT code	SE80
CRICOS	084924E
Duration (full-time)	5 years
ОР	12
Rank	75
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$9,600 per year full-time (96 credit points)
International fee (indicative)	2020: \$41,800 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	SEF Enquiries - (Engineering major); Dr Graham Johnson (Science); email: sef.enquiry@qut.edu.au; ph: +61 7 3138 8822
Discipline Coordinator	Dr Thomas Rainey (Chemical Process), Associate Professor Jonathan Bunker (Civil); Dr Wayne Kelly (Computer & Software Systems); Dr Jacob Coetzee (Electrical); Dr Aaron Mcfadyen (Electrical & Aerospace); Dr Wim Dekkers/Prof Ted Steinberg (Mechanical); A/Prof Luis Alvarez (Mechatronics); A/Prof Devakar Epari (Medical); Dr Marion Bateson (Biological Science); Aspro Tim Dargaville (Chemistry); Dr Luke Nothdurft (Earth Science); Dr Andrew Baker (Environmental Science); and Aspro Jamie Trapp (Physics)

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)

We assume that you have knowledge equivalent to four semesters at high school level (Years 11 and 12) with sound achievement (4, SA). Recommended study: Chemistry, Maths C and Physics.

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies. Recommended study: Chemistry, Maths C and 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

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:

- 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.

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:

- 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.

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 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



s)/Bachelor of Science

Bache	lor of Engineering (Honours
SEB113	Quantitative Methods in Science
Year 1 S	emester 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
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, S	Semester 2
BVB101	Foundations of Biology
BVB102	Evolution
Year 3, S	Semester 1
BVB202	Experimental Design and Quantitative Methods
BVB301	Animal Biology
	Semester 2
BVB201 BVB204	Biological Processes
	Ecology Semester 1
BVB203	Plant Biology
BVB305	Microbiology and the Environment
	Semester 2
BVB304	Integrative Biology
BVB313	Population Genetics and Molecular Ecology
	Semester 1
	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

	r 3 Semester 2	
Year 4 Semester 1Year 4 Semester 2		
• Semester 2 (July) commencements		
 Year 1. Semester 2 		
 Year 	r 2, Semester 1	
	r 2, Semester 2	
• <u>Year</u>	r 3, Semester 1	
• Year	r 3, Semester 2 r 4, Semester 1	
• Year	r 4, Semester 2	
• Year	r 5, Semester 1	
Code	Title	
	1 (February) commencements	
Year 1 Se		
SEB115		
SEB116	Experimental Science 2	
Year 1 Se	•	
CVB101		
CARIOI		
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 C	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	

Semester 2 (July) commencements

Science

SEB104 Grand Challenges in Science

Quantitative Methods in

Year 1, Semester 2

SEB113

Year 2, Semester 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		
CVB210	Chemical Measurement Science		
CVB303	Coordination Chemistry		
Year 5, Semester 1			
CVB304	Chemistry Research Project		
Science 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 2
- Semester 2 (July) commencements
- Year 1, Semester 2
- Year 2, Semester 1Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1 Year 4, Semester 2
- Year 5, Semester 1

Couc	THIC	
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

achelor of Science

Bachel	or of Engineering (Honours	
ERB101	Earth Systems	
ERB102	Evolving Earth	
Year 3 S	emester 1	
ERB201	Destructive Earth: Natural Hazards	
ERB202	Marine Geoscience	
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 So	emester 2	
ERB303	Energy Resources and Basin Analysis	
ERB304	Dynamic Earth: Plate Tectonics	
Semeste	r 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	
ERB102	Evolving Earth	
Year 3, S	emester 1	
ERB201	Destructive Earth: Natural Hazards	
ERB202	Marine Geoscience	
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	
	emester 2	
ERB303	Energy Resources and Basin Analysis	
ERB304	Dynamic Earth: Plate Tectonics	
Year 5, S	emester 1	
Science Core Unit Option		
Science I	Major Unit Option	
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Code	ar 5, Semester 1
	Title er 1 (February) commencements
	Semester 1
SEB104	
SEB113	Quantitative Methods in
Year 1	Semester 2
	Core Unit Option
Science	Major Unit Option
Year 2 S	Semester 1
SEB115	Experimental Science 1
SEB116	
Year 2 S	Semester 2
ERB101	Earth Systems
EVB102	Ecosystems and the Environment
Year 3 S	Semester 1
BVB202	Experimental Design and Quantitative Methods
EVB203	Geospatial Information Science
Year 3 S	Semester 2
BVB204	Ecology
EVB302	Environmental Pollution
Year 4 S	Semester 1
BVB311	- 37
EVB312	
	Semester 2
ERB310	,
EVB304	Case Studies in Environmental Science
	er 2 (July) commencements
	Semester 2
SEB104	J
SEB113	Science
	Semester 1
SEB115	<u>'</u>
SEB116	Experimental Science 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

	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, Semester 2		
ERB310	Groundwater Systems	
EVB304	Case Studies in Environmental 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 2Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- <u>Semester 2 (July) commencements</u>
- Year 1, Semester 2
- Year 2, Semester 1Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1Year 4, Semester 2
- Year 5, Semester 1

Code	Title	
Semester 1 (February) commencements		
Year 1 Semester 1		
SEB113	Quantitative Methods in Science	
SEB115	Experimental Science 1	
Year 1 Semester 2		
PVB102	Physics of the Very Small	
SEB104	Grand Challenges in Science	
Year 2 Semester 1		
PVB203	Experimental Physics	
SEB116	Experimental Science 2	
Year 2 Semester 2		
PVB200	Computational and Mathematical Physics	

Semesters

- Semester 1 (February) commencements
- Year 1 Semester 1

Year 3 Semester 1

Science Core Unit Option



Year 2, Semester 2

ERB101 | Earth Systems

EVB102 | Ecosystems and the

Bachelor of Engineering (Honours)

Dacifici	or or Engineering (Florious	
PQB360	Global Energy Balance and Climate Change	
PVB210	Stellar Astrophysics	
Year 3 Se	emester 2	
PVB204	Electromagnetism	
PVB220	Cosmology	
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	
Semeste	r 2 (July) commencements	
	semester 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	Global Energy Balance and Climate Change	
Science Core Unit Option		

Semesters

- Semester 1 (February) commencements
- Year 1 Semester 1
- Year 1 Semester 2Year 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 Science
Code	Title
	1 (February) commencements
	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 - 9	Semester 2
EGB120	Foundations of Electrical Engineering
Foundation	on Unit Option
Year 3 - 8	Semester 1
EGB261	Unit Operations
EGB323	Fluid Mechanics
Year 3 - 9	Semester 2
CVB101	General Chemistry
EGB322	Thermodynamics
Year 4 - S	Semester 1
EGB262	Process Principles
EGB361	Minerals and Minerals Processing
Year 4 - S	Semester 2
EGB364	Process Modelling
EGH411	Industrial Chemistry
Year 5 - 8	Semester 1
EGB362	Operations Management and Process Economics
EGH400 -1	Research Project 1
	Research in Engineering

EGB362	Operations Management and Process Economics
EGH400 -1	Research Project 1
EGH404	Research in Engineering Practice

Year 5 - Semester 2		
EGH400 -2	Research Project 2	
EGH422	Advanced Thermodynamics	
EGH423	Fluids Dynamics	
EGH462	Process Control	

EGH463 Plant and Process Design

Semesters

- Semester 1 (February) commencements

- Year 2 Semester 1
- Year 2 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 - 9	Semester 1
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - 9	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 - 8	Semester 2
EGB123	Civil Engineering Systems
Foundation	on Unit Option
Year 3 - 8	Semester 1
EGB270	Civil Engineering Materials
EGB272	Traffic and Transport Engineering
Year 3 - 8	Semester 2
EGB273	Principles of Construction
EGB373	Geotechnical Engineering
Year 4, S	emester 1
EGB275	Structural Mechanics
EGB371	Engineering Hydraulics
Year 4 - 8	Semester 2
EGB376	Steel Design
EGH471	Advanced Water Engineering
Year 5 - S	Semester 1
EGB375	Design of Concrete Structures
EGH400 -1	Research Project 1
EGH404	Research in Engineering Practice
EGH473	Advanced Geotechnical Engineering
Year 5 - S	Semester 2
EGH400 -2	Research Project 2
EGH472	Advanced Highway and Pavement Engineering
EGH475	Advanced Concrete Structures
EGH479	Advances in Civil Engineering Practice



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

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• <u>Yea</u>	<u>r 5 - Semester 2</u>	
Code	Title	
Semeste	r 1 (February) commencements	
Year 1 - 9	Semester 1	
EGB113	Energy in Engineering Systems	
MZB125	Introductory Engineering Mathematics	
OR		
MXB161	Computational Explorations	
Year 1 - 9	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 - 9	Semester 2	
EGB120	Foundations of Electrical Engineering	
Foundation	on Unit Option	
Year 3 - 9	Semester 1	
CAB201	Programming Principles	
EGB242	Signal Analysis	
Year 3 - 9	Semester 2	
CAB202	Microprocessors and Digital Systems	
Intermedi	iate Electrical Option Unit	
	Semester 1	
EGB240	Electronic Design	
CAB301	- 1 ,	
Year 4 - 9	Semester 2	
CAB403	Systems Programming	
EGH404	Research in Engineering Practice	
	Semester 1	
EGH400 -1	Research Project 1	
CAB302	Software Development	
EGH456	Embedded Systems	
	d Computer & Software Option Unit	
Year 5 - Semester 2		

EGH400

-2

Research Project 2

EGH455	EGH455 Advanced Systems Design		
	d Computer & Software Option Unit		
CAB432	Cloud Computing		

Semesters

- Semester 1 (February) commencements
- Year 1 Semester 1Year 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 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 - 9	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	
CAB202	Microprocessors and Digital Systems	
EGB120	Foundations of Electrical Engineering	
Year 3 - 8	Semester 1	
EGB240	Electronic Design	
EGB241	Electromagnetics and Machines	
Year 3 - 8	Semester 2	
EGB242	Signal Analysis	

Intermediate 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 - Semester 1
ECP240 Design and Practice

EGB340 Design and Practice

Foundation Unit Option

Year 4 - Semester 2

Intermediate Electrical Option Unit (2)

Intermediate Electrical Option Unit (3)

Year 5 - Semester 1

EGH400 -1	Research Project 1		
EGH404	Research in Engineering Practice		
Advanced	Advanced Electrical Option Unit (1)		
Advanced Electrical Option Unit (2)			
Year 5 - S	Year 5 - Semester 2		
EGH400 -2	Research Project 2		
-2	Research Project 2 Electrical Option Unit (3)		
-2 Advanced	•		

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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Code	Title	
Semester	1 (February) commencements	
Year 1 - Semester 1		
EGB113	Energy in Engineering Systems	
MZB125	Introductory Engineering Mathematics	
MXB161	Computational Explorations	
Year 1 - 9	Semester 2	
EGB100	Engineering Sustainability and Professional Practice	
MZB126	Engineering Computation	
Year 2 - 9	Semester 1	
EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	
Year 2 - 9	Semester 2	
EGB120	Foundations of Electrical Engineering	
Foundation	on Unit Option	
Year 3 - 8	Semester 1	
CAB202	Microprocessors and Digital Systems	
EGB240	Electronic Design	
Year 3 - 8	Semester 2	
EGB242	Signal Analysis	
Intermedi	ate Electrical Option Unit	
Year 4 - 9	Semester 1	
EGB243	Aircraft Systems and Flight	
EGB349	Systems Engineering and Design Project	



Year 4 - Semester 2

EGB345	Control and Dynamic Systems	
EGB346	Unmanned Aircraft Systems	
Year 5 - Semester 1		
EGH400 -1	Research Project 1	
EGH404	Research in Engineering Practice	
EGH446	Autonomous Systems	
Advanced Electrical Option Unit		
Year 5 - Semester 2		
EGH400 -2	Research Project 2	
EGH445	Modern Control	
EGH450	Advanced Unmanned Aircraft Systems	
	Systems	

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

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		
Foundation Unit Option			
Year 3 - Semester 1			
EGB214	Materials and Manufacturing		
EGB314	Strength of Materials		
Year 3 - 8	Semester 2		
EGB210	Fundamentals of Mechanical Design		
EGB211	Dynamics		

Year 4 - S	Semester 1		
EGB321			
EGB323	Fluid Mechanics		
Year 4 - S	Year 4 - Semester 2		
EGB322	Thermodynamics		
EGH404	Research in Engineering Practice		
Year 5 - 8	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	Advanced Thermodynamics		
EGH423	Fluids Dynamics		

Semesters

- Semester 1 (February) commencements
- Year 1 Semester 1
- Year 1 Semester 2Year 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

Semester 1 (February) commencements

Title

Year 3 - Semester 2

Semester	(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			
Year 2 - 9 EGB111				
	Semester 1 Foundation of Engineering			
EGB111 EGB121	Semester 1 Foundation of Engineering Design			
EGB111 EGB121	Semester 1 Foundation of Engineering Design Engineering Mechanics			
EGB111 EGB121 Year 2 - 5 EGB120	Foundation of Engineering Design Engineering Mechanics Semester 2 Foundations of Electrical			
EGB111 EGB121 Year 2 - S EGB120 Foundation	Foundations of Electrical Engineering Foundation of Engineering Design Engineering Mechanics Foundations of Electrical Engineering			
EGB111 EGB121 Year 2 - S EGB120 Foundation	Foundation of Engineering Design Engineering Mechanics Semester 2 Foundations of Electrical Engineering on Unit Option Semester 1			
EGB111 EGB121 Year 2 - S EGB120 Foundation Year 3 - S	Foundation of Engineering Design Engineering Mechanics Semester 2 Foundations of Electrical Engineering on Unit Option Semester 1			

CAB202	Microprocessors and Digital Systems
EGB345	Control and Dynamic Systems
Year 4 - S	Semester 1
EGB220	Mechatronics Design 1
EGB321	Dynamics of Machines
Year 4 - S	Semester 2
EGB320	Mechatronics Design 2
Intermedi	ate Electrical Option Unit
Year 5 - S	Semester 1
EGH400 -1	Research Project 1
EGH404	Research in Engineering Practice
EGH419	Mechatronics Design 3
EGH446	Autonomous Systems
Year 5 - S	Semester 2
EGH400 -2	Research Project 2
EGH413	Advanced Dynamics
EGH445	Modern Control
Advanced	d 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 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 - 9	Semester 1	
EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	
Year 2 - Semester 2		
EGB120	Foundations of Electrical Engineering	
Foundation Unit Option		



Year 3 - Semester 1

Daoiloi	or or Engineering (nonear	
EGB314	Strength of Materials	
LSB131	Anatomy	
Year 3 - Semester 2		
EGB211	Dynamics	
LSB231	Physiology	
Year 4 - Semester 1		
EGB214	Materials and Manufacturing	
EGB323	Fluid Mechanics	
Year 4 - 8	Semester 2	
EGB210	Fundamentals of Mechanical Design	
FGH404	Research in Engineering	
2011-04	Practice	
	Practice Semester 1	
Year 5 - S	Semester 1	
Year 5 - S EGB319 EGH400	Gemester 1 BioDesign	
Year 5 - S EGB319 EGH400	Gemester 1 BioDesign Research Project 1	
Year 5 - 8 EGB319 EGH400 -1 EGH414 EGH438	BioDesign Research Project 1 Stress Analysis	
Year 5 - 8 EGB319 EGH400 -1 EGH414 EGH438	BioDesign Research Project 1 Stress Analysis Biomaterials	
Year 5 - S EGB319 EGH400 -1 EGH414 EGH438 Year 5 - S EGH400	BioDesign Research Project 1 Stress Analysis Biomaterials Semester 2	
Year 5 - S EGB319 EGH400 -1 EGH414 EGH438 Year 5 - S EGH400 -2	BioDesign Research Project 1 Stress Analysis Biomaterials Semester 2 Research Project 2	





Bachelor of Science/Bachelor of Games and Interactive Environments

Year	2020
QUT code	SE90
CRICOS	092649G
Duration (full-time)	4 years
ОР	14
Rank	70
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$9,500 per year full-time (96 credit points)
International fee (indicative)	2020: \$38,200 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; email: sef.enquiry@qut.edu.au; ph: +61 7 3138 8822
Discipline Coordinator	Dr Marion Bateson (Biological Science); Aspro Tim Dargaville (Chemistry); Dr Luke Nothdurft (Earth Science); Dr Andrew Baker (Environmental Science); Aspro Jamie Trapp (Physics).

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)

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:

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies. Recommended study: At least one of Biology, Chemistry, Earth Science, Geography, Maths C or 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

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 2Year 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	



Bachelor of Science/Bachelor of Games and Interactive Environments

Year 1 Semester 2			
Science (Science Core Unit Option		
Science I	Major Unit Option		
Year 2 Se	emester 1		
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
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- 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		
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		
CVB101	General Chemistry		
CVB101 CVB102	General Chemistry Chemical Structure and Reactivity		
CVB102	Chemical Structure and		
CVB102	Chemical Structure and Reactivity		

Year 3 Semester 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 Semester 2		
CVB303	Coordination Chemistry	
CVB304	Chemistry Research Project	
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
- Year 4 Semester 2

Code		litie
Year 1 Semester 1		emester 1
SEB10	4	Grand Challenges in Science
SEB11	3	Quantitative Methods in Science
Year 1 Semester 2		
Science Core Unit Option		
Science Major Unit Option		
Year 2 Semester 1		
SEB11	5	Experimental Science 1
SEB11	6	Experimental Science 2

Year 2 Semester 2 ERB101 Earth Systems

ERB102 Evolving Earth

Year 3 Semester 1

Destructive Earth: Natural **ERB201** Hazards ERB202 Marine Geoscience

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**

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

Couc		Tille	
Year 1	Se	emester	1

Title

Grand Challenges in Science

Quantitative Methods in **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

Ecosystems and the **EVB102** Environment

Year 3 Semester 1

Experimental Design and **BVB202** Quantitative Methods

Geospatial Information **EVB203**

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 Case Studies in

EVB304 Environmental Science

Semesters

- Year 1 Semester 1
- Year 1 Semester 2Year 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 Semester 2	

Introductory Calculus and MXB100 Algebra

Science Core Unit Option

Year 2 Semester 1

SEB115 Experimental Science 1



Bachelor of Science/Bachelor of Games and Interactive Environments

SEB116	Experimental Science 2		
Year 2 Se	Year 2 Semester 2		
PVB102	Physics of the Very Small		
PVB101	Physics of the Very Large		
Year 3 Se	Year 3 Semester 1		
PVB200	Computational and Mathematical Physics		
PVB203	Experimental Physics		
Year 3 Semester 2			
PVB202	Mathematical Methods in Physics		
PVB204	Electromagnetism		
Year 4 Semester 1			
PVB301	Materials and Thermal Physics		
PVB302	Classical and Quantum Physics		
Year 4 Se	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

Code	Title	
Year 1, S	emester 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	emester 1	
IGB100	Game Studio 1: Mini-Game Development	
BGIE Co	re Unit Option	
Year 2, S	emester 2	
KNB127	CGI Foundations	
KNB135	Animation Aesthetics	
Year 3, S	emester 1	
KNB137	Digital Worlds	
BGIE Core Unit Option		
Year 3, S	emester 2	
IGB200	Game Studio 2: Applied Game Development	
KNB227	CGI Technologies	
Year 4, Semester 1		
IGB300	Capstone Project (Game Design)	
KNB217	Digital Creatures	

Year 4, Semester 2

	IGB301	Capstone Project (Game Development)
	IGB400	Game Studio 3: Game Innovation

Semesters

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

• Year 4, Semester 2			
Code	Title		
Year 1, S	emester 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	emester 1		
IGB100	Game Studio 1: Mini-Game Development		
BGIE Cor	e 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 Cor	e Unit Option		
Year 3, S	emester 2		
IGB200	Game Studio 2: Applied Game Development		
IGB321	Immersive Game Level Design		
SEM-2 '2' IGB321 ir the Facul substitute 2020 (if n	(note: IGB321 is no longer offered for SEM-2 '2020'. If you need to take IGB321 in SEM-2 2020, please contact the Faculty for assistance. It will be substituted with CAB210 for SEM-2 2020 (if not already updated in your Game Design major IN05MJR-GAMEDES)		
Year 4, S	emester 1		
IGB320	Game Design in Different Contexts		
IGB300	Capstone Project (Game Design)		
Year 4, S	emester 2		
IGB301	Capstone Project (Game Development)		
IGB400	Game Studio 3: Game Innovation		
Semeste	ers		

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

• <u>Yea</u>	r 4, Semester 2
	Title
Year 1, S	emester 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	emester 1
IGB100	Game Studio 1: Mini-Game Development
BGIE Co	re Unit Option
Year 2, S	emester 2
CAB201	Programming Principles
IGB283	Game Engine Theory and Application
Year 3, S	emester 1
CAB301	Algorithms and Complexity
BGIE Co	re Unit Option
Year 3, S	emester 2
IGB200	Game Studio 2: Applied Game Development
IGB381	Game Engine Technology
SEM-2 20 in SEM-2 Faculty fo with IFN6 your Soft	3381 is no longer offered for D20. If you need to take IGB381 2020, please contact the prassistance. It will be replaced 192 (if not already updated in ware Technologies major -SOFTECH).
Year 4, S	emester 1
IGB300	Capstone Project (Game Design)
IGB383	Al for Games
Year 4, S	emester 2

Capstone Project (Game

Game Studio 3: Game

Development)

Innovation

IGB301

IGB400

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



Bachelor of Engineering (Honours)

Year	2020
QUT code	EN01
CRICOS	084921G
Duration (full-time)	4 years
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$9,600 per year full-time (96 credit points)
International fee (indicative)	2020: \$41,500 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	SEF Enquiries - email: sef.enquiry@qut.edu.au; ph: +61 7 3138 8822

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)

We assume that you have knowledge equivalent to four semesters at high school level (Years 11 and 12) with sound achievement (4, SA). Recommended study: Chemistry, Maths C and Physics.

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies. Recommended study: Chemistry, Maths C and Physics.

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

Professional Recognition

Full professional accreditation from Engineers Australia has been given for all primary majors in this course.

Complementary Studies

You have the opportunity to undertake a second major or two minors. A second major is a set of eight units (96 credit points) in the same discipline. A minor is a set of four units (48 credit points) in the same discipline. You will select your primary major, second major and/or minors after the completion of your first year.

Special Course Requirements

A candidate for the degree of Bachelor of Engineering (Honours) must obtain at least 60 days of industrial experience/practice in an engineering environment as approved by the course coordinator.

International Student Entry

International students must maintain an enrolment program that will allow them to complete their course within the specified timeframe of their eCoE (electronic Confirmation of Enrolment).

Course Design

Your QUT Bachelor of Engineering (Honours) degree consists of 384 credit points (32 units) arranged as follows:

- (a) First Year: Four (4) core units 48cp + two (2) Discipline Foundation units 24cp + two (2) option units 24cp (96 credit points)
- (b) 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

Available Majors are:

- Civi
- · Computer and Software Systems
- Electrical
- Electrical and Aerospace
- Mechatronics
- Mechanical
- · Medical, or
- Process
- (c) Complementary Studies: 1 x Second Major (8 unit set) or 2 x Minor (4 unit set each)from the options specified for your chosen major. (96 credit points)

Pathways to Further Study

The (EN01) Bachelor of Engineering (Honours) is located at Level 8 of the Australian Qualifications Framework (AQF). Graduates may be eligible for discipline relevant Masters and/or Doctoral level programs.

Code	Title
Year 1 - 9	Semester 1
EGB100	Engineering Sustainability and



Bachelor of Engineering (Honours)

	Professional Practice
EGB111	Foundation of Engineering Design
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - 9	Semester 2
MZB126	Engineering Computation
	o from ONE of the Engineering on Strands

If you're intended to select Medical Engineering Major, please refer your first year study plan at Medical major 1st Year - July Entry

Code	Title		
Year 1 - 8	Semester 2		
MZB125	Introductory Engineering Mathematics		
OR			
MXB161	Computational Explorations		
EGB100	Engineering Sustainability and Professional Practice		
PVB101	Physics of the Very Large		
PVB101 is the substitute unit of EGB113 in semester 2			
Plus select 12cp (1 unit) from ONE of the Engineering Foundation Strands			
Year 2 - S	Semester 1		
MZB126	Engineering Computation		
EGB111	Foundation of Engineering Design		
Plus select 24cp (2 units) from ONE of the Engineering Foundation Strands			





Bachelor of Engineering (Honours) (Chemical Process)

Year	2020
QUT code	EN01
CRICOS	084921G
Duration (full-time)	4 years
ОР	12
Rank	75
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$9,600 per year full-time (96 credit points)
International fee (indicative)	2020: \$41,500 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	SEF Enquiries - email: sef.enquiry@qut.edu.au; ph: +61 7 3138 8822
Discipline Coordinator	Dr Thomas Rainey

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)

We assume that you have knowledge equivalent to four semesters at high school level (Years 11 and 12) with sound achievement (4, SA). Recommended study: Chemistry, Maths C and Physics.

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies. Recommended study: Chemistry, Maths C and Physics.

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

Professional Recognition

Full professional accreditation from Engineers Australia has been given for this course.

Complementary Studies

You will have the opportunity to undertaken either a 2nd major or two minors.

Special Course Requirements

A candidate for the degree of Bachelor of Engineering (Honours)(Process) must obtain at least 60 days of industrial experience/practice in an engineering environment as approved by the course coordinator.

International Student Entry

International students must maintain an enrolment program that will allow them to complete their course within the specified timeframe of their eCoE (electronic Confirmation of Enrolment).

Domestic Course structure

To graduate with a Bachelor of Engineering (Honours), students are required to complete 384 credit points of course units, as outlined below:

- First year (96 credit points): four core units 48cp + one Maths option unit 12cp + foundation strand options 36cp (include two discipline foundation units 24cp + one option unit 12cp)
- Major: one (1) block of eight (8) major units 96cp plus eight (8) honours-level units 96cp (192 credit points)
- Complementary studies: one x second major or two x minor (96 credit points).

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x advanced major units 60cp.

International Course structure

To graduate with a Bachelor of Engineering (Honours), students are required to complete 384 credit points of course units, as outlined below:

- First year (96 credit points): four core units 48cp + one Maths option unit 12cp + foundation strand options 36cp (include two discipline foundation units 24cp + one option unit 12cp)
- Major: One (1) block of eight (8) major units 96cp plus eight (8) Honours level units 96cp (192 credit points)
- Complementary Studies: 1 x 2nd major or 2 x minor (96 credit points)

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x Advanced major units 60cp

Code	Title
Year 1 - Semester 1	
EGB100	Engineering Sustainability and Professional Practice
EGB111	Foundation of Engineering Design
EGB113	Energy in Engineering Systems



Bachelor of Engineering (Honours) (Chemical Process)

MZB125	Introductory Engineering Mathematics	
OR		
MXB161	Computational Explorations	
Year 1 - Semester 2		
MZB126	Engineering Computation	
Plus 36cp from ONE of the Engineering Foundation Strands		

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

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

	r 4, Semester 2
Code	Title
Year 2, S	emester 1
EGB261	Unit Operations
EGB262	Process Principles
EGB323	Fluid Mechanics
2nd Majo	r/Minor Unit
Year 2, S	emester 2
CVB101	General Chemistry
EGB322	Thermodynamics
2nd Majo	r/Minor Unit
2nd Majo	r/Minor Unit
Year 3, S	emester 1
EGB361	Minerals and Minerals Processing
EGB362	Operations Management and Process Economics
2nd Majo	r/Minor Unit
2nd Majo	r/Minor Unit
Year 3, S	emester 2
EGB364	Process Modelling
EGH404	Research in Engineering
EGF1404	Practice
	Practice Industrial Chemistry
EGH411	
EGH411 EGH422	Industrial Chemistry
EGH411 EGH422	Industrial Chemistry Advanced Thermodynamics
EGH411 EGH422 Year 4, S EGH400	Industrial Chemistry Advanced Thermodynamics emester 1
EGH411 EGH422 Year 4, S EGH400 -1 EGH463	Industrial Chemistry Advanced Thermodynamics emester 1 Research Project 1
EGH411 EGH422 Year 4, S EGH400 -1 EGH463 2nd Majo	Industrial Chemistry Advanced Thermodynamics emester 1 Research Project 1 Plant and Process Design
EGH411 EGH422 Year 4, S EGH400 -1 EGH463 2nd Majo 2nd Majo	Industrial Chemistry Advanced Thermodynamics emester 1 Research Project 1 Plant and Process Design r/Minor Unit
EGH411 EGH422 Year 4, S EGH400 -1 EGH463 2nd Majo 2nd Majo	Industrial Chemistry Advanced Thermodynamics emester 1 Research Project 1 Plant and Process Design r/Minor Unit
EGH411 EGH422 Year 4, S EGH400 -1 EGH463 2nd Majo 2nd Majo Year 4, S EGH400 -2	Industrial Chemistry Advanced Thermodynamics emester 1 Research Project 1 Plant and Process Design r/Minor Unit r/Minor Unit emester 2
EGH411 EGH422 Year 4, S EGH400 -1 EGH463 2nd Majo 2nd Majo Year 4, S EGH400 -2	Industrial Chemistry Advanced Thermodynamics emester 1 Research Project 1 Plant and Process Design r/Minor Unit r/Minor Unit emester 2 Research Project 2 Fluids Dynamics





Bachelor of Engineering (Honours) (Civil)

Year	2020
QUT code	EN01
CRICOS	084921G
Duration (full-time)	4 years
OP	12
Rank	75
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$9,600 per year full-time (96 credit points)
International fee (indicative)	2020: \$41,500 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	SEF Enquiries - email: sef.enquiry@qut.edu.au; ph: +61 7 3138 8822
Discipline Coordinator	Associate Professor Jonathan Bunker

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)

We assume that you have knowledge equivalent to four semesters at high school level (Years 11 and 12) with sound achievement (4, SA). Recommended study: Chemistry, Maths C and Physics.

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies. Recommended study: Chemistry, Maths C and 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

Professional Recognition

Full professional accreditation from Engineers Australia has been given for this course.

Complementary Studies

You will have the opportunity to undertaken either a 2nd major or two minors.

Special Course Requirements

A candidate for the degree of Bachelor of Engineering (Honours)(Civil) must obtain at least 60 days of industrial experience/practice in an engineering environment as approved by the course coordinator.

International Student Entry

International students must maintain an enrolment program that will allow them to complete their course within the specified timeframe of their eCoE (electronic Confirmation of Enrolment).

Domestic Course structure

To graduate with a Bachelor of Engineering (Honours), students are required to complete 384 credit points of course units, as outlined below:

- First year (96 credit points): four core units 48cp + one Maths option unit 12cp + foundation strand options 36cp (include two discipline foundation units 24cp + one option unit 12cp)
- Major(192 credit points): one (1) block of eight (8) major units 96cp plus eight (8) honours-level units 96cp
- Complementary studies(96 credit points): one x second major or two x minor

Honours units to consist of:

- Research methods 12cp
- Proiect 24cp
- 5 x advanced major units 60cp.

International Course structure

To graduate with a Bachelor of Engineering (Honours), students are required to complete 384 credit points of course units, as outlined below:

- First year (96 credit points): four core units 48cp + one Maths option unit 12cp + foundation strand options 36cp (include two discipline foundation units 24cp + one option unit 12cp)
- Major(192 credit points): one (1) block of eight (8) major units 96cp plus eight (8) honours-level units 96cp
- Complementary studies(96 credit points): one x second major or two x minor.

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x advanced major units 60cp.

Code	Title	
Year 1 - Semester 1		
EGB100	Engineering Sustainability and Professional Practice	
EGB111	Foundation of Engineering Design	
EGB113	Energy in Engineering	



Bachelor of Engineering (Honours) (Civil)

	Systems	
MZB125	Introductory Engineering Mathematics	
OR		
MXB161	Computational Explorations	
Year 1 - Semester 2		
MZB126	Engineering Computation	

Plus 36cp from ONE of the Engineering

2nd Major/Minor unit 2nd Major/Minor unit

Semesters

• Year 2, Semester 1

Foundation Strands

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

 Year 4, Semester 2 		
Code	Title	
Year 2, S	emester 1	
EGB270	Civil Engineering Materials	
EGB272	Traffic and Transport Engineering	
EGB275	Structural Mechanics	
EGB371	Engineering Hydraulics	
Year 2, S	emester 2	
EGB273	Principles of Construction	
EGB373	Geotechnical Engineering	
EGB376	Steel Design	
EGH471	Advanced Water Engineering	
Year 3, S	emester 1	
EGB375	Design of Concrete Structures	
EGH473	Advanced Geotechnical Engineering	
2nd Majo	r/Minor unit	
2nd Majo	r/Minor unit	
Year 3, S	emester 2	
EGH404	Research in Engineering Practice	
EGH472	Advanced Highway and Pavement Engineering	
EGH475	Advanced Concrete Structures	
2nd Majo	r/Minor unit	
Year 4, S	emester 1	
EGH400 -1	Research Project 1	
2nd Major/Minor unit		
2nd Major/Minor unit		
2nd Major/Minor unit		
Year 4, S	emester 2	
EGH400 -2	Research Project 2	
EGH479	Advances in Civil Engineering Practice	





Bachelor of Engineering (Honours) (Computer and Software Systems)

Year 2020
QUT code EN01
CRICOS 084921G
Duration (full-time) 4 years
OP 12
Rank 75
Offer Guarantee Yes
Campus Gardens Point
Domestic fee (indicative) 2020 CSP \$9,600 per year full-time (96 credit points)
International fee (indicative) 2020: \$41,500 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 SEF Enquiries - email: sef.enquiry@qut.edu.au; ph: +61 7 3138 8822
Coordinator Dr Wayne Kelly w.kelly@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)

We assume that you have knowledge equivalent to four semesters at high school level (Years 11 and 12) with sound achievement (4, SA). Recommended study: Chemistry, Maths C and Physics.

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies. Recommended study: Chemistry, Maths C and 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

Professional Recognition

Full professional accreditation from Engineers Australia has been given for this course.

Complementary Studies

You will have the opportunity to undertaken either a 2nd major or two minors.

Special Course Requirements

A candidate for the degree of Bachelor of Engineering (Honours)(Computer and Software Systems) must obtain at least 60 days of industrial experience/practice in an engineering environment as approved by the course coordinator.

International Student Entry

International students must maintain an enrolment program that will allow them to complete their course within the specified timeframe of their eCoE (electronic Confirmation of Enrolment).

Domestic Course structure

To graduate with a Bachelor of Engineering (Honours), students are required to complete 384 credit points of course units, as outlined below:

- First year (96 credit points): four core units 48cp + one Maths option unit 12cp + foundation strand options 36cp (include two discipline foundation units 24cp + one option unit 12cp)
- Major: one (1) block of eight (8) major units 96cp plus eight (8) honours-level units 96cp (192 credit points)
- Complementary studies: one x second major or two x minor (96 credit points).

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x advanced major units 60cp.

International Course structure

To graduate with a Bachelor of Engineering (Honours), students are required to complete 384 credit points of course units, as outlined below:

- First year (96 credit points): four core units 48cp + one Maths option unit 12cp + foundation strand options 36cp (include two discipline foundation units 24cp + one option unit 12cp)
- Major: One (1) block of eight (8) major units 96cp plus eight (8) Honours level units 96cp (192 credit points)
- Complementary Studies: 1 x 2nd major or 2 x minor (96 credit points)

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x Advanced major units 60cp

Code	Title	
Year 1 - 8	Year 1 - Semester 1	
EGB100	Engineering Sustainability and Professional Practice	
EGB111	Foundation of Engineering Design	
EGB113	Energy in Engineering Systems	



Bachelor of Engineering (Honours) (Computer and Software Systems)

MZB125	Introductory Engineering Mathematics	
OR		
MXB161	Computational Explorations	
Year 1 - Semester 2		
MZB126	MZB126 Engineering Computation	
Plus 36cp from ONE of the Engineering Foundation Strands		

Year 4, Semester 2	
EGH400 -2	Research Project 2
EGH455	Advanced Systems Design
Advanced Electrical or Software Unit Option	
2nd Major/Minor unit	

Please note -

This is an example study plan for students on a relatively standard progression, however, depending on which units and second majors/minors you choose, you may need to deviate from that plan. Please contact your Subject Area Coordinator Dr Wayne Kelly, Email: w.kelly@qut.edu.au if you wish to discuss your study plan options.

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

- Year 4, Semester 1
 Year 4, Semester 2

Code	Title	
Year 2, S	emester 1	
CAB201	Programming Principles	
EGB242	Signal Analysis	
2nd Majo	r/Minor unit	
2nd Majo	r/Minor unit	
Year 2, S	emester 2	
CAB202	Microprocessors and Digital Systems	
Intermedi	ate Electrical Unit Option	
2nd Majo	r/Minor unit	
2nd Majo	r/Minor unit	
Year 3, S	emester 1	
CAB301	Algorithms and Complexity	
CAB302	Software Development	
EGB240	Electronic Design	
2nd Majo	r/Minor unit	
Year 3, S	emester 2	
CAB403	Systems Programming	
EGH404	Research in Engineering Practice	
CAB432	Cloud Computing	
2nd Major/Minor unit		
Year 4, Semester 1		
EGH400 -1	Research Project 1	
EGH456	Embedded Systems	
Advanced Electrical Unit Option		
	<u>-</u>	





Bachelor of Engineering (Honours) (Electrical and Aerospace)

Year	2020
QUT code	EN01
CRICOS	084921G
Duration (full-time)	4 years
ОР	12
Rank	75
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$9,600 per year full-time (96 credit points)
International fee (indicative)	2020: \$41,500 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	SEF Enquiries - email: sef.enquiry@qut.edu.au; ph: +61 7 3138 8822
Discipline Coordinator	Dr Aaron Mcfadyen

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)

We assume that you have knowledge equivalent to four semesters at high school level (Years 11 and 12) with sound achievement (4, SA). Recommended study: Chemistry, Maths C and Physics.

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies. Recommended study: Chemistry, Maths C and 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

Professional Recognition

Full professional accreditation from Engineers Australia has been given for this course.

Complementary Studies

You will have the opportunity to undertaken either a 2nd major or two minors.

Special Course Requirements

A candidate for the degree of Bachelor of Engineering (Honours)(Electrical and Aerospace) must obtain at least 60 days of industrial experience/practice in an engineering environment as approved by the course coordinator.

International Student Entry

International students must maintain an enrolment program that will allow them to complete their course within the specified timeframe of their eCoE (electronic Confirmation of Enrolment).

Domestic Course structure

To graduate with a Bachelor of Engineering (Honours), students are required to complete 384 credit points of course units, as outlined below:

- First year (96 credit points): four core units 48cp + one Maths option unit 12cp + foundation strand options 36cp (include two discipline foundation units 24cp + one option unit 12cp)
- Major: one (1) block of eight (8) major units 96cp plus eight (8) honours-level units 96cp (192 credit points)
- Complementary studies: one x second major or two x minor (96 credit points).

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x advanced major units 60cp.

International Course structure

To graduate with a Bachelor of Engineering (Honours), students are required to complete 384 credit points of course units, as outlined below:

- First year (96 credit points): four core units 48cp + one Maths option unit 12cp + foundation strand options 36cp (include two discipline foundation units 24cp + one option unit 12cp)
- Major: One (1) block of eight (8) major units 96cp plus eight (8) Honours level units 96cp (192 credit points)
- Complementary Studies: 1 x 2nd major or 2 x minor (96 credit points)

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x Advanced major units 60cp

Code	Title
Year 1 - Semester 1	
EGB100	Engineering Sustainability and Professional Practice
EGB111	Foundation of Engineering Design
EGB113	Energy in Engineering Systems



Bachelor of Engineering (Honours) (Electrical and Aerospace)

MZB125	Introductory Engineering Mathematics	
OR		
MXB161	Computational Explorations	
Year 1 - Semester 2		
MZB126	Engineering Computation	
Plus 36cp from ONE of the Engineering Foundation Strands		

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

Year 4, Semester 1Year 4, Semester 2		
Code	Title	
Year 2, S	emester 1	
CAB202	Microprocessors and Digital Systems	
EGB240	Electronic Design	
EGB242	Signal Analysis	
EGB243	Aircraft Systems and Flight	
Year 2, S	emester 2	
EGB345	Control and Dynamic Systems	
EGB346	Unmanned Aircraft Systems	
Intermedi Option	ate Electrical & Aerospace Unit	
2nd Majo	r/Minor unit	
Year 3, S	emester 1	
EGB349	Systems Engineering and Design Project	
Advanced Electrical & Aerospace Unit Option		
2nd Majo	r/Minor unit	
2nd Majo	r/Minor unit	
Year 3, S	emester 2	
EGH404	Research in Engineering Practice	
EGH445	Modern Control	
EGH450	Advanced Unmanned Aircraft Systems	
2nd Majo	r/Minor unit	
Year 4, S	emester 1	
EGH400 -1	Research Project 1	
EGH446	Autonomous Systems	
2nd Major/Minor unit		
2nd Major/Minor unit		
Year 4, S	emester 2	
EGH400 -2	Research Project 2	
Advanced Electrical & Aerospace Unit Option		
2nd Major/Minor unit		
0 114 :	2nd Major/Minor unit	





Bachelor of Engineering (Honours) (Electrical)

Year	2020
QUT code	EN01
CRICOS	084921G
Duration (full-time)	4 years
ОР	12
Rank	75
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$9,600 per year full-time (96 credit points)
International fee (indicative)	2020: \$41,500 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	SEF Enquiries - email: sef.enquiry@qut.edu.au; ph: +61 7 3138 8822
Discipline Coordinator	Dr Jacob Coetzee 3138 2865 jacob.coetzee@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)

We assume that you have knowledge equivalent to four semesters at high school level (Years 11 and 12) with sound achievement (4, SA). Recommended study: Chemistry, Maths C and Physics.

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies. Recommended study: Chemistry, Maths C and 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

Professional Recognition

Full professional accreditation from Engineers Australia has been given for this course.

Complementary Studies

You will have the opportunity to undertaken either a 2nd major or two minors.

Special Course Requirements

A candidate for the degree of Bachelor of Engineering (Honours)(Electrical) must obtain at least 60 days of industrial experience/practice in an engineering environment as approved by the course coordinator.

International Student Entry

International students must maintain an enrolment program that will allow them to complete their course within the specified timeframe of their eCoE (electronic Confirmation of Enrolment).

Domestic Course structure

To graduate with a Bachelor of Engineering (Honours), students are required to complete 384 credit points of course units, as outlined below:

- First year (96 credit points): four core units 48cp + one Maths option unit 12cp + foundation strand options 36cp (include two discipline foundation units 24cp + one option unit 12cp)
- Major: one (1) block of eight (8) major units 96cp plus eight (8) honours-level units 96cp (192 credit points)
- Complementary studies: one x second major or two x minor (96 credit points).

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x advanced major units 60cp.

International Course structure

To graduate with a Bachelor of Engineering (Honours), students are required to complete 384 credit points of course units, as outlined below:

- First year (96 credit points): four core units 48cp + one Maths option unit 12cp + foundation strand options 36cp (include two discipline foundation units 24cp + one option unit 12cp)
- Major: One (1) block of eight (8) major units 96cp plus eight (8) Honours level units 96cp (192 credit points)
- Complementary Studies: 1 x 2nd major or 2 x minor (96 credit points)

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x Advanced major units 60cp

Code	Title
Year 1 - Semester 1	
EGB100	Engineering Sustainability and Professional Practice
EGB111	Foundation of Engineering Design
EGB113	Energy in Engineering Systems



Bachelor of Engineering (Honours) (Electrical)

MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - Semester 2	
MZB126	Engineering Computation
Plus 36cp from ONE of the Engineering Foundation Strands	

Semesters

- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Intermediate Electrical Unit Options
 List
- Advanced Electrical Unit Options
 List

Code	Title
Year 2, S	emester 1
CAB202	Microprocessors and Digital Systems
EGB240	Electronic Design
EGB241	Electromagnetics and Machines
EGB242	Signal Analysis

Year 2, Semester 2

Intermediate Electrical Option Unit[1]
Intermediate Electrical Option Unit[2]
Intermediate Electrical Option Unit[3]
2nd Major/Minor unit[1]

Year 3, Semester 1

EGB340 Design and Practice

Advanced Electrical Option Unit[1]

Advanced Electrical Option Unit [2]or 2nd Major/Minor unit[2]

2nd Major/Minor unit[3]

Year 3, Semester 2

Advanced Electrical Option Unit[3]

Advanced Electrical Option Unit[4]

2nd Major/Minor unit[2] or Advanced Electrical Option Unit [2]

Electrical Option Official

EGH404 Research in Engineering Practice

Year 4, Semester 1

EGH4	400
-1	

Research Project 1

2nd Major/Minor unit[4]

2nd Major/Minor unit[5]

2nd Major/Minor unit[6]

Year 4, Semester 2

EGH400 -2

Research Project 2

(LICCIIICA	¹ 7	
Advanced Electrical Option Unit[5] 2nd Major/Minor unit[7]		
2nd Majo	2nd Major/Minor unit[8]	
Intermediate Electrical Unit Options List		
EGB341	Energy Supply and Delivery	
EGB342	Telecommunications and Signal Processing	
EGB345	Control and Dynamic Systems	
EGB348	Electronics	
Advanced	d Electrical Unit Options List	
EGH441	Power System Modelling	
EGH442	RF Techniques and Applications	
EGH443	Advanced Telecommunications	
EGH444	Digital Signals and Image Processing	
EGH445	Modern Control	
EGH446	Autonomous Systems	
EGH448	Power Electronics	
EGH449	Advanced Electronics	
EGH454	Power Systems Management with Renewable & Storage Resources	
The following unit options have been discontinued, but will still count towards this minor:		
EGH440 Power Systems Analysis (disc 31/12/2018)		





Bachelor of Engineering (Honours) (Mechanical)

Year	2020
QUT code	EN01
CRICOS	084921G
Duration (full-time)	4 years
ОР	12
Rank	75
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$9,600 per year full-time (96 credit points)
International fee (indicative)	2020: \$41,500 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	SEF Enquiries - email: sef.enquiry@qut.edu.au; ph: +61 7 3138 8822
Discipline Coordinator	Dr Wim Dekkers/Professor Ted Steinberg

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)

We assume that you have knowledge equivalent to four semesters at high school level (Years 11 and 12) with sound achievement (4, SA). Recommended study: Chemistry, Maths C and Physics.

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies. Recommended study: Chemistry, Maths C and 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

Professional Recognition

Full professional accreditation from Engineers Australia has been given for this course.

Complementary Studies

You will have the opportunity to undertaken either a 2nd major or two minors.

Special Course Requirements

candidate for the degree of Bachelor of Engineering (Honours)(Mechanical) must obtain at least 60 days of industrial experience/practice in an engineering environment as approved by the course coordinator.

International Student Entry

International students must maintain an enrolment program that will allow them to complete their course within the specified timeframe of their eCoE (electronic Confirmation of Enrolment).

Domestic Course structure

To graduate with a Bachelor of Engineering (Honours), students are required to complete 384 credit points of course units, as outlined below:

- First year (96 credit points): four core units 48cp + one Maths option unit 12cp + foundation strand options 36cp (include two discipline foundation units 24cp + one option unit 12cp)
- Major: one (1) block of eight (8) major units 96cp plus eight (8) honours-level units 96cp (192 credit points)
- Complementary studies: one x second major or two x minor (96 credit points).

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x advanced major units 60cp.

International Course structure

To graduate with a Bachelor of Engineering (Honours), students are required to complete 384 credit points of course units, as outlined below:

- First year (96 credit points): four core units 48cp + one Maths option unit 12cp + foundation strand options 36cp (include two discipline foundation units 24cp + one option unit 12cp)
- Major: One (1) block of eight (8) major units 96cp plus eight (8) Honours level units 96cp (192 credit points)
- Complementary Studies: 1 x 2nd major or 2 x minor (96 credit points)

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x Advanced major units 60cp

Code	Title
Year 1 - Semester 1	
EGB100	Engineering Sustainability and Professional Practice
EGB111	Foundation of Engineering Design
EGB113	Energy in Engineering Systems



Bachelor of Engineering (Honours) (Mechanical)

MZB125	Introductory Engineering Mathematics	
OR		
MXB161	Computational Explorations	
Year 1 - Semester 2		
MZB126 Engineering Computation		
Plus 36cp from ONE of the Engineering Foundation Strands		

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

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

• Year 4, Semester 2		
Code	Title	
Year 2, Semester 1		
EGB211	Dynamics	
EGB214	Materials and Manufacturing	
EGB314	Strength of Materials	
EGB323	Fluid Mechanics	
Year 2, S	emester 2	
EGB210	Fundamentals of Mechanical Design	
EGB322	Thermodynamics	
2nd Majo	r/Minor unit option	
2nd Major/Minor unit option		
Year 3, Semester 1		
EGB316	Design of Machine Elements	
EGB321	Dynamics of Machines	
EGH414 Stress Analysis		
2nd Major/Minor unit option		
,	· •	
	emester 2	
	· .	
Year 3, S	emester 2 Research in Engineering Practice	
Year 3, S EGH404	emester 2 Research in Engineering Practice Advanced Thermodynamics	
Year 3, S EGH404 EGH422 EGH423	emester 2 Research in Engineering Practice Advanced Thermodynamics	
Year 3, S EGH404 EGH422 EGH423 2nd Majo	emester 2 Research in Engineering Practice Advanced Thermodynamics Fluids Dynamics	
Year 3, S EGH404 EGH422 EGH423 2nd Majo	emester 2 Research in Engineering Practice Advanced Thermodynamics Fluids Dynamics r/Minor unit option	
Year 3, S EGH404 EGH422 EGH423 2nd Majo Year 4, S EGH400	emester 2 Research in Engineering Practice Advanced Thermodynamics Fluids Dynamics r/Minor unit option emester 1	
Year 3, S EGH404 EGH422 EGH423 2nd Majo Year 4, S EGH400 -1 EGH421	Research in Engineering Practice Advanced Thermodynamics Fluids Dynamics r/Minor unit option emester 1 Research Project 1	
Year 3, S EGH404 EGH422 EGH423 2nd Majo Year 4, S EGH400 -1 EGH421 2nd Majo	Research in Engineering Practice Advanced Thermodynamics Fluids Dynamics r/Minor unit option emester 1 Research Project 1 Vibration and Control	
Year 3, S EGH404 EGH422 EGH423 2nd Majo Year 4, S EGH400 -1 EGH421 2nd Majo 2nd Majo	Research in Engineering Practice Advanced Thermodynamics Fluids Dynamics r/Minor unit option emester 1 Research Project 1 Vibration and Control r/Minor unit option	
Year 3, S EGH404 EGH422 EGH423 2nd Majo Year 4, S EGH400 -1 EGH421 2nd Majo 2nd Majo	Research in Engineering Practice Advanced Thermodynamics Fluids Dynamics r/Minor unit option emester 1 Research Project 1 Vibration and Control r/Minor unit option r/Minor unit option	
Year 3, S EGH404 EGH422 EGH423 2nd Majo Year 4, S EGH400 -1 2nd Majo Year 4, S EGH400 -2 EGH420	Research in Engineering Practice Advanced Thermodynamics Fluids Dynamics r/Minor unit option emester 1 Research Project 1 Vibration and Control r/Minor unit option r/Minor unit option emester 2 Research Project 2 Mechanical Systems Design	
Year 3, S EGH404 EGH422 EGH423 2nd Majo Year 4, S EGH400 -1 2nd Majo Year 4, S EGH400 -2 EGH420	Research in Engineering Practice Advanced Thermodynamics Fluids Dynamics r/Minor unit option emester 1 Research Project 1 Vibration and Control r/Minor unit option r/Minor unit option emester 2 Research Project 2	





Bachelor of Engineering (Honours) (Mechatronics)

Year	2020
QUT code	EN01
CRICOS	084921G
Duration (full-time)	4 years
OP	12
Rank	75
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$9,600 per year full-time (96 credit points)
International fee (indicative)	2020: \$41,500 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	SEF Enquiries - email: sef.enquiry@qut.edu.au; ph: +61 7 3138 8822
Discipline Coordinator	Associate Professor Luis Alvarez

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)

We assume that you have knowledge equivalent to four semesters at high school level (Years 11 and 12) with sound achievement (4, SA). Recommended study: Chemistry, Maths C and Physics.

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies. Recommended study: Chemistry, Maths C and 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

Professional Recognition

Full professional accreditation from Engineers Australia has been given for this course.

Complementary Studies

You will have the opportunity to undertaken either a 2nd major or two minors.

Special Course Requirements

A candidate for the degree of Bachelor of Engineering (Honours)(Mechatronics) must obtain at least 60 days of industrial experience/practice in an engineering environment as approved by the course coordinator.

International Strudent Entry

International students must maintain an enrolment program that will allow them to complete their course within the specified timeframe of their eCoE (electronic Confirmation of Enrolment).

Domestic Course structure

To graduate with a Bachelor of Engineering (Honours), students are required to complete 384 credit points of course units, as outlined below:

- First year (96 credit points): four core units 48cp + one Maths option unit 12cp + foundation strand options 36cp (include two discipline foundation units 24cp + one option unit 12cp)
- Major: one (1) block of eight (8) major units 96cp plus eight (8) honours-level units 96cp (192 credit points)
- Complementary studies: one x second major or two x minor (96 credit points).

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x advanced major units 60cp.

International Course structure

To graduate with a Bachelor of Engineering (Honours), students are required to complete 384 credit points of course units, as outlined below:

- First year (96 credit points): four core units 48cp + one Maths option unit 12cp + foundation strand options 36cp (include two discipline foundation units 24cp + one option unit 12cp)
- Major: One (1) block of eight (8) major units 96cp plus eight (8) Honours level units 96cp (192 credit points)
- Complementary Studies: 1 x 2nd major or 2 x minor (96 credit points)

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x Advanced major units 60cp

Code	Title
Year 1 - Semester 1	
EGB100	Engineering Sustainability and Professional Practice
EGB111	Foundation of Engineering Design
EGB113	Energy in Engineering Systems



Bachelor of Engineering (Honours) (Mechatronics)

MZB125	Introductory Engineering Mathematics	
OR		
MXB161	Computational Explorations	
Year 1 - Semester 2		
MZB126 Engineering Computation		
Plus 36cp from ONE of the Engineering Foundation Strands		

Please note that the highlighted units must be enrolled in the year and semester specified

The highlighted units are CAB202, EGB242, EGB345, EGH404, EGH400-1 and EGH400-2.

Semesters

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

2nd Major/Minor unit

Code	Title	
Year 2, Semester 1		
CAB202	Microprocessors and Digital Systems	
EGB242	Signal Analysis	
EGB211	Dynamics	
2nd Major/Minor unit		
EGB220	Mechatronics Design 1	
2nd Major/Minor Unit		
Year 2, Semester 2		
EGB345	Control and Dynamic Systems	
EGB211	Dynamics	
2nd Majo	r/Minor unit	
EGB320	Mechatronics Design 2	

2nd Major/Minor unit		
Year 3, Semester 1		
EGB321 Dynamics of Machines		
2nd Major/Minor unit		
EGH446 Autonomous Systems		
2nd Major/Minor unit		
EGB220 Mechatronics Design 1		
2nd major/Minor unit		
OR		
EGH419 Mechatronics Design 3		
2nd Major/Minor unit		
Advanced Electrical Unit Option or 2nd		

Intermediate Electrical Unit Option OR

Teal 5, 5	Cilicoloi Z
EGH404	Research in Engineering
EGП404	Practice

Major/Minor unit

EGH413	Advanced Dynamics	
2nd Major/Minor unit		
EGB320	Mechatronics Design 2	
OR		
EGH445	Modern Control	
Intermediate/ Advanced Electrical Unit Option OR 2nd Major/Minor unit		
Year 4, S	emester 1	
EGH400 -1	Research Project 1	
EGH419	Mechatronics Design 3	
2nd Major/Minor unit		
EGH446	Autonomous Systems	
2nd Major/Minor unit		
Advanced Electrical Unit Option OR 2nd Major/Minor unit		
Year 4, S	emester 2	
EGH400 -2	Research Project 2	
EGH413	Advanced Dynamics	
2nd Major/Minor unit		
EGH445	Modern Control	
2nd Major/Minor unit		
Advanced Electrical Unit Option OR 2nd Major/Minor unit		





Bachelor of Engineering (Honours) (Medical)

Year	2020
QUT code	EN01
CRICOS	084921G
Duration (full-time)	4 years
ОР	12
Rank	75
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$9,600 per year full-time (96 credit points)
International fee (indicative)	2020: \$41,500 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	SEF Enquiries - email: sef.enquiry@qut.edu.au; ph: +61 7 3138 8822
Discipline Coordinator	Associate Professor Devakar Epari
	d.epari@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)

We assume that you have knowledge equivalent to four semesters at high school level (Years 11 and 12) with sound achievement (4, SA). Recommended study: Chemistry, Maths C and Physics.

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies. Recommended study: Chemistry, Maths C and 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	

Professional Recognition

Full professional accreditation from Engineers Australia has been given for this course.

Complementary Studies

You will have the opportunity to undertaken either a 2nd major or two minors.

Special Course Requirements

A candidate for the degree of Bachelor of Engineering (Honours)(Medical) must obtain at least 60 days of industrial experience/practice in an engineering environment as approved by the course coordinator.

International Student Entry

International students must maintain an enrolment program that will allow them to complete their course within the specified timeframe of their eCoE (electronic Confirmation of Enrolment).

Domestic Course structure

To graduate with a Bachelor of Engineering (Honours), students are required to complete 384 credit points of course units, as outlined below:

- First year (96 credit points): four core units 48cp + one Maths option unit 12cp + foundation strand options 36cp (include two discipline foundation units 24cp + one option unit 12cp)
- Major: one (1) block of eight (8) major units 96cp plus eight (8) honours-level units 96cp (192 credit points)
- Complementary studies: one x second major or two x minor (96 credit points).

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x advanced major units 60cp.

International Course structure

To graduate with a Bachelor of Engineering (Honours), students are required to complete 384 credit points of course units, as outlined below:

- First year (96 credit points): four core units 48cp + one Maths option unit 12cp + foundation strand options 36cp (include two discipline foundation units 24cp + one option unit 12cp)
- Major: One (1) block of eight (8) major units 96cp plus eight (8) Honours level units 96cp (192 credit points)
- Complementary Studies: 1 x 2nd major or 2 x minor (96 credit points)

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x Advanced major units 60cp

Code	Title
Year 1 - Semester 1	
EGB100	Engineering Sustainability and Professional Practice
EGB111	Foundation of Engineering Design
EGB113	Energy in Engineering Systems



Bachelor of Engineering (Honours) (Medical)

MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - Semester 2	
MZB126	Engineering Computation
Plus 36cp from ONE of the Engineering Foundation Strands	

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

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

	Title
Year 2, S	emester 1
EGB211	Dynamics
EGB214	Materials and Manufacturing
EGB314	Strength of Materials
LSB131	Anatomy
Year 2, S	emester 2
EGB210	Fundamentals of Mechanical Design
LSB231	Physiology
2nd Majo	r/Minor unit
2nd Majo	r/Minor unit
Year 3, S	emester 1
EGB319	BioDesign
EGB323	Fluid Mechanics
EGH414	Stress Analysis
2nd Majo	r/Minor unit
Year 3, S	emester 2
	Research in Engineering
EGH404	Practice
EGH404 EGH418	
	Practice
EGH418 EGH424	Practice Biomechanics
EGH418 EGH424 2nd Majo	Practice Biomechanics Biofluids
EGH418 EGH424 2nd Majo	Practice Biomechanics Biofluids r/Minor unit
EGH418 EGH424 2nd Majo Year 4, S EGH400	Practice Biomechanics Biofluids r/Minor unit emester 1
EGH418 EGH424 2nd Majo Year 4, S EGH400 -1 EGH438	Practice Biomechanics Biofluids r/Minor unit emester 1 Research Project 1
EGH418 EGH424 2nd Majo Year 4, S EGH400 -1 EGH438 2nd Majo	Practice Biomechanics Biofluids r/Minor unit emester 1 Research Project 1 Biomaterials
EGH418 EGH424 2nd Majo Year 4, S EGH400 -1 EGH438 2nd Majo 2nd Majo	Practice Biomechanics Biofluids r/Minor unit emester 1 Research Project 1 Biomaterials r/Minor unit
EGH418 EGH424 2nd Majo Year 4, S EGH400 -1 EGH438 2nd Majo 2nd Majo	Practice Biomechanics Biofluids r/Minor unit emester 1 Research Project 1 Biomaterials r/Minor unit r/Minor unit
EGH418 EGH424 2nd Majo Year 4, S EGH400 -1 EGH438 2nd Majo 2nd Majo Year 4, S EGH400	Practice Biomechanics Biofluids r/Minor unit emester 1 Research Project 1 Biomaterials r/Minor unit r/Minor unit emester 2
EGH418 EGH424 2nd Majo Year 4, S EGH400 -1 EGH438 2nd Majo 2nd Majo Year 4, S EGH400 -2 EGH435	Practice Biomechanics Biofluids r/Minor unit emester 1 Research Project 1 Biomaterials r/Minor unit r/Minor unit emester 2 Research Project 2 Modelling and Simulation for





Year	2020
QUT code	ID14
CRICOS	096569J
Duration (full-time)	5 years
ОР	12
Rank	75
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$9,500 per year full-time (96 credit points)
International fee (indicative)	2020: \$38,800 per year full-time (96 credit points)
Total credit points	480
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; phone +61 7 3138 2000; email: askqut@qut.edu.au; SEF Enquiries; email: sef.enquiry@qut.edu.au; phone: +61 7 3138 8822
Discipline Coordinator	Dr Rafael Gomez (Industrial Design); Dr Thomas Rainey (Chemical Process), Associate Professor Jonathan Bunker (Civil), Dr Wayne Kelly (Computer and Software Systems), Dr Aaron Mcfadyen (Electrical and Aerospace), Dr Jacob Coetzee (Electrical), Dr Wim Dekkers/Professor Ted Steinberg (Mechanical), Associate Professor Luis Alvarez (Mechatronics), Associate Professor Devakar Epari (Medical) Cl: +61 7 3138 2000: SEF: +61 7 3138 8822 askqut@qut.edu.au (Industrial Design); sef.enquiry@qut.edu.au (Engineering)

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)

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:

International Entry requirements Prerequisites

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

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

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 480 credit points, made up of 192 credit points from the Bachelor of Design (Industrial Design) and 288 credit points from the Bachelor of Engineering (Honours). You will study design and engineering units in your first your years, and concentrate on engineering studies for the remainder of this course.

Design component

You will complete:

- four school-wide Impact Lab units (48 credit points)
- the industrial design major (144 credit points), including: four shared foundation units (48 credit points)eight units (96 credit points) from the discipline.

Engineering component

Your engineering studies will include:

- four core units (48 credit points) and two core options (24 credit points)
- eight engineering major units (96 credit points)
- eight honours-level units (96 credits points).

You must choose a major from:

- · chemical process engineering
- · civil engineering
- computer and software systems engineering
- electrical engineering
- electrical and aerospace engineering
- mechatronics engineering
- mechanical engineering
- · medical engineering

Study overseas

<u>Study overseas</u> while earning credit towards your QUT creative industries 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 OUT course.

International Course structure

In order to complete this course, you must complete a total of 480 credit points, made up of 192 credit points from the Bachelor of Design (Industrial Design) and 288 credit points from the Bachelor of Engineering (Honours). You will study design and engineering units in your first your years, and concentrate on engineering studies for the remainder of this course.

Design component

You will complete four school-wide Impact Lab units (48 credit points) and the industrial design major (144 credit points) which incorporates four shared foundation units (48 credit points) and eight units (96 credit points) from the discipline.



Bachelor of Design (Industrial Design

Engineering component

You will complete four core units (48 credit points), two core option units (24 credit points), two discipline foundation units (24 credit points), eight engineering major units (96 credit points) and eight engineering honours units (96 credit points). You will choose a major from Chemical Process, Civil, Computer and Software Systems, Electrical, Electrical and Aerospace, Mechatronics, Mechanical or Medical.

Study overseas

Study overseas while gaining 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. For more information, visit QUT student exchange.

Sample Structure

Semesters

- Semester 1 (February) commencements
- Year 1, Semester 1
- Year 1, Semester 2Year 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
- 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
- Year 6, Semester 1

Code	Title
Semester 1 (February) commencements	
Year 1, Semester 1	
DYB101	Impact Lab 1: Place
DYB121	Introducing Design Fabrication
Engineering Unit	
Engineering Unit	
Year 1, Semester 2	
DYB123	Emerging Design Technology
DYB124	Design Consequences
Engineering Unit	
Engineering Unit	
Note: Students considering studying	

overseas in Year 2 Semester 2 must

n)/Bache	elor of Engineering (Honou	rs)
apply by	1 November.	Er
Year 2, S	emester 1	Er
DNB110	ID Studio 1: User Centred Design	Ye
DYB122	Design Visualisations	DI
Engineeri		-
Engineeri		D,
	emester 2	Er
DNB111	ID Studio 2: Aesthetics and Visualisation	Er No
DYB102	Impact Lab 2: People	ov
Engineeri	ng Unit	ap
Engineeri	ing Unit	Υe
Year 3, S	emester 1	DI
	ID Studio 3: Interaction and	D)
DNB210	Experience	D' Er
DNB211	ID Studio 4: Manufacturing Technology	Er
Engineeri	J.	Ye
Engineeri		DI
	emester 2	
DNB212	ID Studio 5: Applied Technology	D' Er
DYB201	Impact Lab 3: Planet	Er
Engineeri	·	Ye
Engineeri	•	DI
	emester 1	
	ID Studio 6: Systems Design	D,
One unit	from the Impact Lab Unit	Er
Options L KKB350):	ist (DYB301, KKB341 or	Er Ye
DYB301	Impact Lab 4: Purpose	
	Work Integrated Learning 1	10
KKB350	Creative Industries Study Tour	D,
Engineeri	ng Unit	Er
Engineeri	ng Unit	Er
Year 4, S	emester 2	Υe
DNB311	ID Studio 7: Capstone	DI
Engineeri	•	Er
Engineering Unit		
Year 5, S	emester 1	Υe
Linginicening offic		DI
Liigii leerii ig Oriit		01
Engineering Unit		K
Engineering Unit		D'
Year 5, Semester 2		
Engineering Unit		
Engineering Unit		Er

Engineering Unit	
Engineering Unit	
Year 2, Semester 1	
DNB110 ID Studio 1: User Centred Design	
DYB121 Introducing Design Fabrication	
Engineering Unit	
Engineering Unit	
Note: Students considering studying	
overseas in Year 3 Semester 1 must	
apply by 1 June.	
Year 2, Semester 2	
DNB111 ID Studio 2: Aesthetics and Visualisation	
DYB124 Design Consequences	
Engineering Unit	
Engineering Unit	
Year 3, Semester 1	
DNB211 ID Studio 4: Manufacturing Technology	
DYB102 Impact Lab 2: People	
Engineering Unit	
Engineering Unit	
Year 3, Semester 2	
DNB212 ID Studio 5: Applied Technology	
DYB201 Impact Lab 3: Planet	
Engineering Unit	
Engineering Unit	
Year 4, Semester 1	
DNB210 ID Studio 3: Interaction and Experience	
DYB122 Design Visualisations	
Engineering Unit	
Engineering Unit	
Year 4, Semester 2	
DNB311 ID Studio 7: Capstone	
Engineering Unit	
Engineering Unit	
Year 5, Semester 1	
DNB310 ID Studio 6: Systems Design	
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	
Engineering Unit	
Engineering Unit	
Year 5, Semester 2	
Engineering Unit	



Engineering Unit Engineering Unit

Year 1, Semester 2

Semester 2 (July) commencements

DYB123 Emerging Design Technology

DYB101 Impact Lab 1: Place

Year 6, Semester 1
Engineering Unit
Engineering Unit
Engineering Unit
Engineering 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
- 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	
M7R125	Introductory Engineering	

MZB125 Mathematics

OR

MXB161 | Computational Explorations

Year 1 - Semester 2

MZB126 Engineering Computation

Year 2 - Semester 1

EGB111	Foundation of Engineering
	Design

EGB121 Engineering Mechanics

Year 2 - Semester 2

Foundations of Electrical EGB120 Engineering

Foundation Unit Option

Year 3 - Semester 1

EGB261	Unit Operations
EGB323	Fluid Mechanics

Year 3 - Semester 2

CVB101 General Chemistry EGB322 Thermodynamics

Year 4 - Semester 1

EGB262	Process Principles

Minerals and Minerals **EGB361** Processing

Year 4 - Semester 2

EGB364 Process Modelling

EGH411 Industrial Chemistry

Year 5 - Semester 1

EGB362	Operations Management and Process Economics
	Process Economics

EGH400 -1

Research Project 1

EGH404	Research in Engineering Practice	
EGH463	Plant and Process Design	
Year 5 - Semester 2		
EGH400 -2	Research Project 2	
EGH422	Advanced Thermodynamics	
EGH423	Fluids Dynamics	

Semesters

- Semester 1 (February) commencements
- Year 1 Semester 1

EGH462 Process Control

- 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 - Semester 2

EGB100	Engineering Sustainabilit Professional Practice	y and

MZB126 Engineering Computation

Year 2 - Semester 1

EGB111	Design
EGB121	Engineering Mechanics

Year 2 - Semester 2

EGB123 | Civil Engineering Systems

Foundation Unit Option

Year 3 - Semester 1

EGB270 Civil Engineering Materials EGB272 Engineering Traffic and Transport

Year 3 - Semester 2

EGB273 Principles of Construction EGB373 Geotechnical Engineering

Year 4, Semester 1

EGB275 Structural Mechanics

EGB371 Engineering Hydraulics

Year 4 - Semester 2

EGB376 Steel Design

EGH471 Advanced Water Engineering

Year 5 - Semester 1

EGB375	Design of Concrete Structures	
EGH400 -1	Research Project 1	
EGH404	Research in Engineering Practice	
EGH473	Advanced Geotechnical Engineering	
Year 5 - Semester 2		
EGH400 -2	Research Project 2	
EGH472	Advanced Highway and Pavement Engineering	
EGH475	Advanced Concrete Structures	
EGH479	Advances in Civil Engineering Practice	

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
- Voor 5 Samester 2

• real 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

Engineering Sustainability and EGB100 Professional Practice

MZB126 Engineering Computation

Year 2 - Semester 1

Foundation of Engineering EGB111 Design

EGB121 Engineering Mechanics

Year 2 - Semester 2

Foundations of Electrical EGB120 Engineering

Foundation Unit Option

Year 3 - Semester 1

CAB201 Programming Principles

EGB242 Signal Analysis

Year 3 - Semester 2

Microprocessors and Digital CAB202 Systems

Intermediate Electrical Option Unit

Year 4 - Semester 1



FGB240		
LODZTO	Electronic Design	
CAB301	Algorithms and Complexity	
Year 4 - S	Semester 2	
CAB403	Systems Programming	
EGH404	Research in Engineering Practice	
Year 5 - S	Semester 1	
EGH400 -1	Research Project 1	
CAB302	Software Development	
EGH456	Embedded Systems	
Advanced Computer & Software Systems Option Unit		
Year 5 - S	Semester 2	
EGH400 -2	Research Project 2	
EGH455	Advanced Systems Design	
Advanced Computer & Software Systems Option Unit		
CAD422	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

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 - 9	Year 1 - Semester 2		
EGB100	Engineering Sustainability and Professional Practice		
MZB126	Engineering Computation		
Year 2 - 8	Semester 1		
EGB111	Foundation of Engineering Design		
EGB121	Engineering Mechanics		
Year 2 - 8	Year 2 - Semester 2		
CAB202	Microprocessors and Digital Systems		
EGB120	Foundations of Electrical Engineering		
Year 3 - 8	Year 3 - Semester 1		
EGB240	Electronic Design		

Electromagnetics and **EGB241** Machines Year 3 - Semester 2 EGB242 Signal Analysis Intermediate 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 - Semester 1 EGB340 Design and Practice **Foundation Unit Option** Year 4 - Semester 2 Intermediate Electrical Option Unit (2) Intermediate Electrical Option Unit (3) Year 5 - Semester 1 **EGH400** Research Project 1 -1 Research in Engineering EGH404 Practice Advanced Electrical Option Unit (1) Advanced Electrical Option Unit (2) Year 5 - Semester 2 EGH400 Research Project 2

Semesters

Code

-2

• Semester 1 (February) commencements

Advanced Electrical Option Unit (3)

Advanced Electrical Option Unit (4)

Advanced Electrical Option Unit (5)

- 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

Title

Semester 1 (February) commencements		
Year 1 - Semester 1		
EGB113	Energy in Engineering Systems	
MZB125	Introductory Engineering Mathematics	
MXB161	Computational Explorations	
Year 1 - Semester 2		
EGB100	Engineering Sustainability and Professional Practice	
MZB126	Engineering Computation	
Year 2 - Semester 1		
EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	

Year 2 - S	Semester 2
EGB120	Foundations of Electrical Engineering
Foundation	on Unit Option
Year 3 - 9	Semester 1
CAB202	Microprocessors and Digital Systems
EGB240	Electronic Design
Year 3 - 8	Semester 2
EGB242	Signal Analysis
Intermedi	ate Electrical Option Unit
Year 4 - 9	Semester 1
EGB243	Aircraft Systems and Flight
EGB349	Systems Engineering and Design Project
Year 4 - 9	Semester 2
EGB345	Control and Dynamic Systems
EGB346	Unmanned Aircraft Systems
Year 5 - 8	Semester 1
EGH400 -1	Research Project 1
EGH404	Research in Engineering Practice
EGH446	Autonomous Systems
Advanced Electrical Option Unit	
Year 5 - 8	Semester 2
EGH400 -2	Research Project 2
EGH445	Modern Control
EGH450	Advanced Unmanned Aircraft Systems
Advanced Electrical Option Unit	

- 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

•	<u>Year</u>	5 -	Sen	<u>nester</u>	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 - Semester 2		
EGB100	Engineering Sustainability and Professional Practice	



Daorici	or or besign (industrial be	
MZB126	Engineering Computation	
Year 2 - 8	Semester 1	
EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	
Year 2 - S	Semester 2	
EGB120	Foundations of Electrical Engineering	
Foundation	on Unit Option	
Year 3 - 9	Semester 1	
EGB214	Materials and Manufacturing	
EGB314	Strength of Materials	
Year 3 - 9	Semester 2	
EGB210	Fundamentals of Mechanical Design	
EGB211	Dynamics	
Year 4 - 9	Semester 1	
EGB321	Dynamics of Machines	
EGB323	Fluid Mechanics	
Year 4 - 9	Semester 2	
EGB322	Thermodynamics	
EGH404	Research in Engineering Practice	
Year 5 - 8	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	Advanced Thermodynamics	
EGH423	Fluids Dynamics	

S	er	ne	95	te	rs

- 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

Semester 1 (February) commencements		
Year 1 - Semester 1		
EGB113	Energy in Engineering Systems	
M7D125	Introductory Engineering	

Code	riue	
Semester 1 (February) commencements		
Year 1 - S	Semester 1	
EGB113	Energy in Engineering Systems	
MZB125	Introductory Engineering Mathematics	
OR		
MXB161	Computational Explorations	

·	0 0 (
Year 1 - S	Semester 2	
EGB100	Engineering Sustainability and Professional Practice	
MZB126	Engineering Computation	
Year 2 - 9	Semester 1	
EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	
Year 2 - S	Semester 2	
EGB120	Foundations of Electrical Engineering	
Foundation	on Unit Option	
Year 3 - 8	Semester 1	
EGB211	Dynamics	
EGB242	Signal Analysis	
Year 3 - 8	Semester 2	
CAB202	Microprocessors and Digital Systems	
EGB345	Control and Dynamic Systems	
Year 4 - 8	Semester 1	
EGB220	Mechatronics Design 1	
EGB321	Dynamics of Machines	
Year 4 - 8	Semester 2	
EGB320	Mechatronics Design 2	
	ate Electrical Option Unit	
	Semester 1	
EGH400 -1	Research Project 1	
EGH404	Research in Engineering Practice	
EGH419	Mechatronics Design 3	
EGH446	Autonomous Systems	
Year 5 - Semester 2		
EGH400 -2	Research Project 2	
EGH413	Advanced Dynamics	
EGH445	Modern Control	
Advance	d Flantwinel Outland Unit	
Auvanced	d Electrical Option Unit	

- 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

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 - 9	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - 8	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - 8	Semester 2
EGB120	Foundations of Electrical Engineering
	on Unit Option
Year 3 - S	Semester 1
EGB314	Strength of Materials
LSB131	Anatomy
Year 3 - 8	Semester 2
EGB211	Dynamics
LSB231	Physiology
Year 4 - 8	Semester 1
EGB214	Materials and Manufacturing
EGB323	Fluid Mechanics
Year 4 - 8	Semester 2
EGB210	Fundamentals of Mechanical Design
EGH404	Research in Engineering Practice
Year 5 - 8	Semester 1
EGB319	BioDesign
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





Year	2020
QUT code	ID14
CRICOS	096569J
Duration (full-time)	5 years
ОР	12
Rank	75
Offer Guarantee	Yes
Campus	Gardens Point, Kelvin Grove
Domestic fee (indicative)	2020 CSP \$9,500 per year full-time (96 credit points)
International fee (indicative)	2020: \$38,800 per year full-time (96 credit points)
Total credit points	480
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; phone +61 7 3138 2000; email: askqut@qut.edu.au; SEF Enquiries; email: sef.enquiry@qut.edu.au; phone: +61 7 3138 8822
Discipline Coordinator	Dr Jen Seevinck (Interaction Design); Dr Thomas Rainey (Chemical Process), Associate Professor Jonathan Bunker (Civil), Dr Wayne Kelly (Computer and Software Systems), Dr Aaron Mcfadyen (Electrical and Aerospace), Dr Jacob Coetzee (Electrical), Dr Wim Dekkers/Professor Ted Steinberg (Mechanical), Associate Professor Luis Alvarez (Mechatronics), Associate Professor

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)

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:

International Entry requirements Prerequisites

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

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary 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

In order to complete this course, you must complete a total of 480 credit points, made up of 192 credit points from the Bachelor of Design and 288 credit points from the Bachelor of Engineering (Honours). You will study design and engineering units in your first your years, and concentrate on engineering studies for the remainder of this course.

Creative Industries component

Your creative industries studies will include:

- a design major (144 credit points), including four shared foundation units (48 credit points) and 96 credit points from the interaction design discipline
- four school-wide impact lab units (48 credit points).

Engineering component

Your engineering studies will include:

- four core units (48 credit points) and two core options (24 credit points)
- eight engineering major units (96 credit points)
- eight honours-level units (96 credits points).

You must choose a major from:

- · chemical process engineering
- · civil engineering
- computer and software systems engineering
- electrical engineering
- electrical and aerospace engineering
- mechatronics engineering
- · mechanical engineering
- medical engineering

International Course structure

In order to complete this course, you must complete a total of 480 credit points, made up of 192 credit points from the Bachelor of Design and 288 credit points from the Bachelor of Engineering (Honours). You will study design and engineering units in your first your years and for the remainder of this course you will concentrate on engineering studies.

Creative Industries component

Your creative industries studies will include:

- a design major (144 credit points), including four shared foundation units (48 credit points) and 96 credit points from the interaction design discipline
- four school-wide impact lab units (48 credit points).

Engineering component

Your engineering studies will include:

- four core units (48 credit points) and two core options (24 credit points)
- one block of 10 major units (120 credit points)
- eight honours-level units (96 credits points).

You must choose a major from:

· chemical process engineering



Devakar Epari (Medical)

sef.enquiry@qut.edu.au

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askqut@qut.edu.au

(Interaction Design);

(Engineering)

- · civil engineering
- computer and software systems engineering
- electrical engineering
- · electrical and aerospace engineering
- · mechatronics engineering
- mechanical engineering
- · medical engineering

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

Year 1, Semester 1

DYB101 Impact Lab 1: Place

Introducing Design

DYB121 Fabrication

Engineering Unit

Engineering Unit

Year 1, Semester 2

DYB102 Impact Lab 2: People

DYB123 Emerging Design Technology

Engineering Unit

Engineering Unit

Note: DYB102 Impact Lab 2: People will be offered in semester 2 only in 2019. It will be offered in semester 1 and semester 2 from 2020.

Year 2, Semester 1

DXB110	Principles of Interaction Design

DYB122 Design Visualisations

Engineering Unit

Engineering Unit

Year 2, Semester 2

DXB111	Web Prototyping

DYB124 Design Consequences

Engineering Unit

Engineering Unit

Year 3, Semester 1

DXB210 Critical Experience Design

DXB211 Creative Coding

Engineering Unit

Engineering Unit

Year 3, Semester 2

DXB212 Tangible Media

DYB201 Impact Lab 3: Planet

Engineering Unit

Engineering Unit

Note: DXB212 Tangible Media will be offered in semester 1 and semester 2 in 2020. It will be offered in semester 2 only from 2021.

Note: DYB201 Impact Lab 3: Planet will be offered in semester 2 only in 2020. It will be offered in semester 1 and semester 2 from 2021.

Year 4, Semester 1

DXB310 Augmented Interactions

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

Engineering Unit

Engineering Unit

Year 4, Semester 2

DVD211	Advanced Interaction Design
DXB311	Project

Engineering Unit

Engineering Unit

Year 5, Semester 1

Engineering Unit

Engineering Unit

Engineering Unit

Engineering Unit

Year 5, Semester 2

Engineering Unit

Engineering Unit

Engineering Unit

Engineering Unit

Semester 2 (July) commencements

Year 1, Semester 2

DYB101 Impact Lab 1: Place

DYB123 Emerging Design Technology

Engineering Unit

Engineering Unit

Course Notes

DYB121	introducing	Desigr
ובוטוט	Fabrication	

DYB122 Design Visualisations

Engineering Unit

Engineering Unit

Year 2, Semester 2

DYB124 Design Consequences

DXB111 Web Prototyping

Engineering Unit

Engineering Unit

Year 3, Semester 1

Principles of Interaction **DXB110** Design

DXB211 | Creative Coding

Engineering Unit

Engineering Unit

Year 3, Semester 2

DYB102 Impact Lab 2: People

DXB212 Tangible Media

Engineering Unit

Engineering Unit

Note: DYB102 Impact Lab 2: People will be offered in semester 2 only in 2019. It will be offered in semester 1 and semester 2 from 2020.

Note: DXB212 Tangible Media will be offered in semester 1 and semester 2 in 2020. It will be offered in semester 2 only from 2021.

Year 4, Semester 1

DXB210 Critical Experience Design

DXB310 Augmented Interactions

Engineering Unit

Engineering Unit

Year 4, Semester 2

Advanced Interaction Design DXB311 Project

Engineering Unit

Engineering 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

Engineering Unit

Engineering Unit

Note: DYB201 Impact Lab 3: Planet will be offered in semester 2 only in 2020. It will be offered in semester 1 and semester 2 from 2021.

Year 5, Semester 2

Engineering Unit

Engineering Unit

Engineering Unit

Engineering Unit

Year 6, Semester 1

Engineering Unit

Engineering Unit



Engineering Unit	
Engineering 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
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1 Year 5 Semester 2

 Year 5 - Semester 2 			
Code Title			
Semeste	r 1 (February) commencements		
Year 1 - 3	Year 1 - Semester 1		
EGB113	Energy in Engineering Systems		
MZB125	Introductory Engineering Mathematics		
OR			
MXB161			
Year 1 - 9	Semester 2		
EGB100	Engineering Sustainability and Professional Practice		
MZB126	Engineering Computation		
Year 2 - 9	Semester 1		
EGB111	Foundation of Engineering Design		
EGB121	Engineering Mechanics		
Year 2 - 9	Semester 2		
EGB120	Foundations of Electrical Engineering		
Foundation	on Unit Option		
Year 3 - 9	Semester 1		
EGB261	Unit Operations		
EGB323	Fluid Mechanics		
Year 3 - 9	Semester 2		
CVB101	General Chemistry		
EGB322	Thermodynamics		
Year 4 - 9	Semester 1		
EGB262	Process Principles		
EGB361	Minerals and Minerals Processing		
Year 4 - S	Semester 2		
EGB364	Process Modelling		
EGH411	Industrial Chemistry		
Year 5 - S	Semester 1		
EGB362	Operations Management and Process Economics		
EGH400 -1	Research Project 1		
EGH404	Research in Engineering Practice		

EGH463 Plant and Process Design

Year 5 - Semester 2	
EGH400 -2	Research Project 2
EGH422	Advanced Thermodynamics
EGH423	Fluids Dynamics
EGH462	Process Control

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

• <u>Teal</u>	3 - 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
EGB123	Civil Engineering Systems
Foundation	on Unit Option
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
EGB375	Design of Concrete Structures
EGH400	Research Project 1

EGH404	Research in Engineering Practice
EGH473	Advanced Geotechnical Engineering
Year 5 - Semester 2	
EGH400 -2	Research Project 2
EGH472	Advanced Highway and Pavement Engineering
EGH475	Advanced Concrete Structures
EGH479	Advances in Civil Engineering Practice

Semesters

- Semester 1 (February) commencements
- Year 1 Semester 1
- Year 1 Semester 2Year 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		
	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		
Foundation	on Unit Option		
Year 3 - S	Semester 1		
CAB201	Programming Principles		
EGB242	Signal Analysis		
Year 3 - Semester 2			
CAB202	Microprocessors and Digital Systems		
Intermedi	ate Electrical Option Unit		
Year 4 - S	Semester 1		
EGB240	Electronic Design		
CAB301	Algorithms and Complexity		



Year 4 - Semester 2

-1

CAB403	Systems Programming	
EGH404	Research in Engineering Practice	
Year 5 - 8	Semester 1	
EGH400 -1	Research Project 1	
CAB302	Software Development	
EGH456	Embedded Systems	
Advanced Computer & Software Systems Option Unit		
Year 5 - 8	Semester 2	
EGH400 -2	Research Project 2	
EGH455	Advanced Systems Design	
Advanced Computer & Software Systems Option Unit		
	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

	10 0011100101 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 - 9	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - 8	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - 8	Semester 2
CAB202	Microprocessors and Digital Systems
EGB120	Foundations of Electrical Engineering
Year 3 - 5	Semester 1
EGB240	Electronic Design
EGB241	Electromagnetics and Machines
Year 3 - 8	Semester 2
EGB242	Signal Analysis

Intermediate 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 - Semester 1

EGB340 Design and Practice

Foundation Unit Option

Year 4 - Semester 2

Intermediate Electrical Option Unit (2)

Intermediate Electrical Option Unit (3)

Year 5 - Semester 1	
EGH400 -1	Research Project 1
EGH404	Research in Engineering

Advanced Electrical Option Unit (1)

Advanced Electrical Option Unit (2)

Year 5 - Semester 2

Practice

Advanced Electrical Option Unit (3)

Advanced Electrical Option Unit (4)

Advanced Electrical Option Unit (5)

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

Code	Title	
Semester	1 (February) commencements	
Year 1 - Semester 1		
	For a sum of the Forest transfer of	

EGB113	Systems
MZB125	Introductory Engineering Mathematics
MVD464	Camanistational Esplanations

MXB161 | Computational Explorations

Year 1 - Semester 2

EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation

Year 2 - Semester 1

EGB111	Found	dation _I n	of E	ngii	neering

EGB121 Engineering Mechanics

Year 2 - Semester 2

EGB120	Foundations of Electrical
	Engineering

Foundation Unit Option

Year 3 - S	Semester 1
CAB202	Microprocessors and Digital Systems
EGB240	Electronic Design
Year 3 - 9	Semester 2
EGB242	Signal Analysis
Intermedi	ate Electrical Option Unit
Year 4 - S	Semester 1
EGB243	Aircraft Systems and Flight
EGB349	Systems Engineering and Design Project
Year 4 - 9	Semester 2
EGB345	Control and Dynamic Systems
EGB346	Unmanned Aircraft Systems
Year 5 - 8	Semester 1
EGH400 -1	Research Project 1
EGH404	Research in Engineering Practice
EGH446	Autonomous Systems
Advanced	Electrical Option Unit
Year 5 - S	Semester 2
EGH400 -2	Research Project 2
EGH445	Modern Control
EGH450	Advanced Unmanned Aircraft Systems
Advanced	d 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
- 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 - 8	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - Semester 1	
EGB111	Foundation of Engineering



Design

	or or Booigir (interaction Bo	
EGB121	Engineering Mechanics	
Year 2 - 8	Semester 2	
EGB120	Foundations of Electrical Engineering	
Foundation	on Unit Option	
	Semester 1	
EGB214		
EGB314	Strength of Materials	
Year 3 - 9	Semester 2	
EGB210	Fundamentals of Mechanical Design	
EGB211	Dynamics	
Year 4 - S	Semester 1	
EGB321	Dynamics of Machines	
EGB323	Fluid Mechanics	
Year 4 - 9	Semester 2	
EGB322	Thermodynamics	
EGH404	Research in Engineering Practice	
Year 5 - 8	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	Advanced Thermodynamics	
EGH423	Fluids Dynamics	

Semesters

Code

- 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

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

<i>J J. – c. c.</i>	
Year 2 - 9	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - S	Semester 2
EGB120	Foundations of Electrical Engineering
Foundation	on Unit Option
Year 3 - 9	Semester 1
EGB211	Dynamics
EGB242	Signal Analysis
Year 3 - S	Semester 2
CAB202	Microprocessors and Digital Systems
EGB345	Control and Dynamic Systems
Year 4 - S	Semester 1
EGB220	Mechatronics Design 1
EGB321	Dynamics of Machines
Year 4 - S	Semester 2
EGB320	Mechatronics Design 2
Intermedi	ate Electrical Option Unit
Year 5 - S	Semester 1
EGH400 -1	Research Project 1
EGH404	Research in Engineering Practice
EGH419	Mechatronics Design 3
EGH446	Autonomous Systems
Year 5 - S	Semester 2
EGH400 -2	Research Project 2
EGH413	Advanced Dynamics
EGH445	Modern Control
Advanced	d Electrical Option Unit

- Semester 1 (February) commencements
- Year 1 Semester 1Year 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			
		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
Foundation	on Unit Option
Year 3 - 8	Semester 1
EGB314	Strength of Materials
LSB131	Anatomy
Year 3 - 8	Semester 2
EGB211	Dynamics
LSB231	Physiology
Year 4 - 9	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 - 8	Semester 1
EGB319	BioDesign
EGH400 -1	Research Project 1
EGH414	Stress Analysis
EGH438	Biomaterials
Year 5 - 8	Semester 2
EGH400 -2	Research Project 2
EGH424	Biofluids
EGH435	Modelling and Simulation for Medical Engineers
EGH418	Biomechanics





Year	2020
QUT code	ID14
CRICOS	096569J
Duration (full-time)	5 years
ОР	12
Rank	75
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$9,500 per year full-time (96 credit points)
International fee (indicative)	2020: \$38,800 per year full-time (96 credit points)
Total credit points	480
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; phone +61 7 3138 2000; email: askqut@qut.edu.au; SEF Enquiries; email: sef.enquiry@qut.edu.au; phone: +61 7 3138 8822
Discipline Coordinator	Gregor Mews (Landscape Architecture); Dr Thomas Rainey (Chemical Process), Associate Professor Jonathan Bunker (Civil), Dr Wayne Kelly (Computer and Software Systems), Dr Aaron Mcfadyen (Electrical and Aerospace), Dr Jacob Coetzee (Electrical), Dr Wim Dekkers/Professor Ted Steinberg (Mechanical), Associate Professor Luis Alvarez (Mechatronics), Associate Professor Devakar Epari (Medical) Design: +61 7 3138 2000: SEF: +61 7 3138 822 askqut@qut.edu.au (Landscape Architecture); sef.enquiry@qut.edu.au (Engineering)

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)

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:

International Entry requirements Prerequisites

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

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary 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

In order to complete this course, you must complete a total of 480 credit points, made up of 192 credit points from the Bachelor of Design (Landscape Architecture) and 288 credit points from the Bachelor of Engineering (Honours). You will study design and engineering units in your first your years, and concentrate on engineering studies for the remainder of this course.

Design component

You will complete:

- four school-wide Impact Lab units (48 credit points)
- the landscape architecture major (144 credit points), including: our shared foundation units (48 credit points)eight units (96 credit points) from the discipline.

Engineering component

Your engineering studies will include:

- four core units (48 credit points) and two core options (24 credit points)
- eight engineering major units (96 credit points)
- eight honours-level units (96 credits points).

You must choose a major from:

- · chemical process engineering
- · civil engineering
- computer and software systems engineering
- electrical engineering
- electrical and aerospace engineering
- mechatronics engineering
- mechanical engineering
- medical engineering

Study overseas

<u>Study overseas</u> while earning credit towards your QUT creative industries 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 OUT course.

International Course structure

In order to complete this course, you must complete a total of 480 credit points, made up of 192 credit points from the Bachelor of Design (Landscape Architecture) and 288 credit points from the Bachelor of Engineering (Honours). You will study design and engineering units in your first your years, and concentrate on engineering studies for the remainder of this course.

Design component

You will complete:

- four school-wide Impact Lab units (48 credit points)
- the landscape architecture major (144 credit points), including: our shared foundation units (48 credit points)eight units (96 credit points) from the discipline.



Engineering component

Your engineering studies will include:

- four core units (48 credit points) and two core options (24 credit points)
- one block of 10 major units (120 credit points)
- eight honours-level units (96 credits points).

You must choose a major from:

- chemical process engineering
- civil engineering
- · computer and software systems engineering
- · electrical engineering
- · electrical and aerospace engineering
- · mechatronics engineering
- · mechanical engineering
- medical engineering

Study overseas

Study overseas while earning credit towards your QUT creative industries 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
- Year 5, Semester 1
- Year 5, 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
- Year 6, Semester 1

Year 1, Semester 2

Code	Title	
Semester 1 (February) commencements		
Year 1, Semester 1		
DYB101	Impact Lab 1: Place	
DYB111 Create and Represent: Form		
Engineering Unit		
Engineering Unit		

DYB113	Create and Represent: Materials
	Materials

DYB114 Spatial Histories **Engineering Unit**

Engineering Unit

Note: Students considering studying overseas in Year 2 Semester 2 must apply by 1 November.

Year 2, Semester 1

DLB101 Landscape Studio 1 **DYB112** Spatial Materiality

Engineering Unit

Engineering Unit

Year 2, Semester 2

DLB102 Landscape Studio 2

DYB102 Impact Lab 2: People

Engineering Unit

Engineering Unit

Year 3, Semester 1

DLB201	Landform, Technology and Techniques	
DLB202	Landscape, People and Place	

Engineering Unit

Engineering Unit

Year 3, Semester 2

DLB204	Planting Design

Studio

DYB201 | Impact Lab 3: Planet

Engineering Unit

Engineering Unit

Year 4, Semester 1

DLB301 Landscape Ecology

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

Engineering Unit

Engineering Unit

Year 4, Semester 2

DLB303 Resilient Landscapes Studio

Engineering Unit

Engineering Unit

Year 5, Semester 1

Engineering Unit

Engineering Unit

Engineering Unit

Engineering Unit

Year 5, Semester 2

Engineering Unit

Engineering Unit Engineering Unit **Engineering Unit**

DYB112 Spatial Materiality

Engineering Unit

Engineering Unit

Year 1, Semester 2

Engineering Unit

Engineering Unit

Year 2, Semester 1

DYB113

Note: Students considering studying overseas in Year 3 Semester 1 must apply by 1 June.

DYB111 | Create and Represent: Form

Semester 2 (July) commencements

Create and Represent:

DYB101 Impact Lab 1: Place

Materials

Year 2, Semester 2

DLB102 Landscape Studio 2

DYB114 Spatial Histories

Engineering Unit

Engineering Unit

Year 3, Semester 1

DLB101 Landscape Studio 1

DYB102 Impact Lab 2: People

Engineering Unit

Engineering Unit

Year 3, Semester 2

DLB204 | Planting Design

DYB201 Impact Lab 3: Planet

Engineering Unit

Engineering Unit

Year 4, Semester 1

Landform, Technology and **DLB201** Techniques

Landscape, People and Place **DLB202** Studio

Engineering Unit

Engineering Unit

Year 4, Semester 2

Landscape Materiality and **DLB302** Constructs

DLB303 Resilient Landscapes Studio

Engineering Unit

Engineering Unit

Year 5, Semester 1

DLB301 Landscape Ecology

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

Engineering Unit

Engineering Unit

Year 5, Semester 2



Engineering Unit
Engineering Unit
Engineering Unit
Engineering Unit
Year 6, Semester 1
Engineering Unit
Engineering Unit
Engineering Unit
Engineering 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
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1
- Year 5 Semester 2

Code	Title
Semester	1 (February) commencements
Year 1 - 9	Semester 1
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - 9	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - 9	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - 9	Semester 2
EGB120	Foundations of Electrical Engineering
Foundation	Engineering
Foundation	Engineering on Unit Option
Foundation	Engineering on Unit Option Semester 1
Foundation Year 3 - S EGB261 EGB323	Engineering on Unit Option Gemester 1 Unit Operations
Foundation Year 3 - S EGB261 EGB323	Engineering on Unit Option Semester 1 Unit Operations Fluid Mechanics
Foundation Year 3 - S EGB261 EGB323 Year 3 - S CVB101 EGB322	Engineering on Unit Option Semester 1 Unit Operations Fluid Mechanics Semester 2 General Chemistry Thermodynamics
Foundation Year 3 - S EGB261 EGB323 Year 3 - S CVB101 EGB322	Engineering on Unit Option Semester 1 Unit Operations Fluid Mechanics Semester 2 General Chemistry
Foundation Year 3 - S EGB261 EGB323 Year 3 - S CVB101 EGB322	Engineering on Unit Option Semester 1 Unit Operations Fluid Mechanics Semester 2 General Chemistry Thermodynamics Semester 1 Process Principles
Foundation Year 3 - 5 EGB261 EGB323 Year 3 - 5 CVB101 EGB322 Year 4 - 5 EGB262 EGB361	Engineering on Unit Option Semester 1 Unit Operations Fluid Mechanics Semester 2 General Chemistry Thermodynamics Semester 1 Process Principles Minerals and Minerals Processing
Foundation Year 3 - 5 EGB261 EGB323 Year 3 - 5 CVB101 EGB322 Year 4 - 5 EGB262 EGB361	Engineering on Unit Option Semester 1 Unit Operations Fluid Mechanics Semester 2 General Chemistry Thermodynamics Semester 1 Process Principles Minerals and Minerals
Foundation Year 3 - 5 EGB261 EGB323 Year 3 - 5 CVB101 EGB322 Year 4 - 5 EGB262 EGB361	Engineering on Unit Option Semester 1 Unit Operations Fluid Mechanics Semester 2 General Chemistry Thermodynamics Semester 1 Process Principles Minerals and Minerals Processing

Year 5 - Semester 1		
EGB362	Operations Management and Process Economics	
EGH400 -1	Research Project 1	
EGH404	Research in Engineering Practice	
EGH463	Plant and Process Design	
Year 5 - Semester 2		
EGH400 -2	Research Project 2	
EGH422	Advanced Thermodynamics	
EGH423	Fluids Dynamics	
EGH462	Process Control	

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

Code	Title	
Semester 1 (February) commencements		
Year 1 - Semester 1		
EGB113	Energy in Engineering Systems	
MZB125	Introductory Engineering Mathematics	С
OR		Se
MXB161	Computational Explorations	Υe
Year 1 - Semester 2		
EGB100	Engineering Sustainability and	

EGB100	Professional Practice
MZB126	Engineering Computation

Year 2 - Semester 1

EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics

Year 2 - Semester 2

EGB123 Civil Engineering Systems **Foundation Unit Option**

Year 3 - Semester 1

EGB270	Civil Engineering Materials
EGB272	Traffic and Transport Engineering

Year 3 - Semester 2

EGB273	Principles of Construction
EGB373	Geotechnical Engineering

Year 4, Semester 1

EGB275	Structural Mechanics
EGB371	Engineering Hydraulics

Year 4 - Semester 2	
EGB376	Steel Design
EGH471	Advanced Water Engineering
Year 5 - 8	Semester 1
EGB375	Design of Concrete Structures
EGH400 -1	Research Project 1
EGH404	Research in Engineering Practice
EGH473	Advanced Geotechnical Engineering
Year 5 - Semester 2	
EGH400 -2	Research Project 2
EGH472	Advanced Highway and Pavement Engineering
EGH475	Advanced Concrete Structures
EGH479	Advances in Civil Engineering Practice

Semesters

- Semester 1 (February) commencements
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2Year 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 - 9	Semester 1	
EGB113	Energy in Engineering Systems	
MZB125	Introductory Engineering Mathematics	
OR		
MXB161	Computational Explorations	
Year 1 - 9	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	
Foundation	on Unit Option	

EGB242 Signal Analysis Year 3 - Semester 2

CAB201 Programming Principles

Year 3 - Semester 1



CAB202	Microprocessors and Digital Systems
Intermedi	ate Electrical Option Unit
Year 4 - 9	Semester 1
EGB240	Electronic Design
CAB301	Algorithms and Complexity
Year 4 - 9	Semester 2
CAB403	Systems Programming
EGH404	Research in Engineering Practice
Year 5 - S	Semester 1
EGH400 -1	Research Project 1
CAB302	Software Development
EGH456	Embedded Systems
	d Computer & Software Option Unit
Year 5 - 8	Semester 2
EGH400 -2	Research Project 2
EGH455	Advanced Systems Design
	d Computer & Software Option Unit
CAB432	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

Code	Title
Semester	1 (February) commencements
Year 1 - 9	Semester 1
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - 8	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - 8	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - 8	Semester 2
CAB202	Microprocessors and Digital Systems

intootal c _j	bachelor of Engineering
EGB120	Foundations of Electrical Engineering
Year 3 - 8	Semester 1
EGB240	Electronic Design
EGB241	Electromagnetics and Machines
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
Foundation	on Unit Option
Year 4 - S	Semester 2
Intermedi	ate Electrical Option Unit (2)
Intermedi	ate Electrical Option Unit (3)
Year 5 - 9	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 - S	Semester 2
EGH400 -2	Research Project 2

Semesters

 Semester 1 (February) commencements

Advanced Electrical Option Unit (3)

Advanced Electrical Option Unit (4)

Advanced Electrical Option Unit (5)

- Year 1 Semester 1
- Year 1 Semester 2Year 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	
Semeste	1 (February) commencements	
Year 1 - 9	Semester 1	
EGB113	Energy in Engineering Systems	
MZB125	Introductory Engineering Mathematics	
MXB161	Computational Explorations	
Year 1 - 9	Semester 2	
EGB100	Engineering Sustainability and Professional Practice	
MZB126	Engineering Computation	

Year 2 - S	Semester 1
EGB111	Foundation of Engineering
EGB121	Design Engineering Mechanics
rear 2 - 8	Semester 2
EGB120	Foundations of Electrical Engineering
Foundation	on Unit Option
Year 3 - 8	Semester 1
CAB202	Microprocessors and Digital Systems
EGB240	Electronic Design
Year 3 - 5	Semester 2
EGB242	Signal Analysis
	ate Electrical Option Unit
	Semester 1
EGB243	
EGD243	
EGB349	Systems Engineering and Design Project
Year 4 - 9	Semester 2
EGB345	Control and Dynamic Systems
EGB346	Unmanned Aircraft Systems
Year 5 - 8	Semester 1
EGH400 -1	Research Project 1
EGH404	Research in Engineering Practice
EGH446	Autonomous Systems
Advanced	d Electrical Option Unit
Year 5 - 8	Semester 2
EGH400 -2	Research Project 2
EGH445	Modern Control
EGH450	Advanced Unmanned Aircraft Systems
Advanced	d 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
- 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

Dacifiei	or or Design (Landscape A
MXB161	Computational Explorations
Year 1 - S	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - 9	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - 9	Semester 2
EGB120	Foundations of Electrical Engineering
Foundation	on Unit Option
Year 3 - 5	Semester 1
EGB214	Materials and Manufacturing
EGB314	Strength of Materials
Year 3 - 8	Semester 2
EGB210	Fundamentals of Mechanical Design
EGB211	Dynamics
Year 4 - 9	Semester 1
EGB321	Dynamics of Machines
EGB323	Fluid Mechanics
Year 4 - 9	Semester 2
EGB322	Thermodynamics
EGH404	Research in Engineering Practice
Year 5 - 8	Semester 1
EGB316	Design of Machine Elements
EGH400 -1	Research Project 1
EGH414	Stress Analysis
EGH421	Vibration and Control
Year 5 - 9	Semester 2
EGH400 -2	Research Project 2
EGH420	Mechanical Systems Design
EGH422	Advanced Thermodynamics
EGH423	Fluids Dynamics

Semester	S
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- 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

Code	Title
Semester	1 (February) commencements
Year 1 - 9	Semester 1
EGB113	Energy in Engineering Systems

MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - 9	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
Foundation	on Unit Option
Year 3 - 5	Semester 1
EGB211	Dynamics
EGB242	Signal Analysis
Year 3 - 8	Semester 2
CAB202	Microprocessors and Digital Systems
EGB345	Control and Dynamic System
Year 4 - S	Semester 1
EGB220	Mechatronics Design 1
EGB321	Dynamics of Machines
Year 4 - 9	Semester 2
EGB320	Mechatronics Design 2
Intermedi	ate Electrical Option Unit
Voor 5	Semester 1
Teal 5 - C	
EGH400 -1	Research Project 1
EGH400	
EGH400 -1	Research Project 1 Research in Engineering
EGH400 -1 EGH404	Research Project 1 Research in Engineering Practice
EGH400 -1 EGH404 EGH419 EGH446	Research Project 1 Research in Engineering Practice Mechatronics Design 3
EGH400 -1 EGH404 EGH419 EGH446	Research Project 1 Research in Engineering Practice Mechatronics Design 3 Autonomous Systems
EGH400 -1 EGH404 EGH419 EGH446 Year 5 - \$ EGH400	Research Project 1 Research in Engineering Practice Mechatronics Design 3 Autonomous Systems Semester 2
EGH400 -1 EGH404 EGH419 EGH446 Year 5 - \$ EGH400 -2	Research Project 1 Research in Engineering Practice Mechatronics Design 3 Autonomous Systems Semester 2 Research Project 2

Semesters

- Semester 1 (February) commencements
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1Year 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

onours)	
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 - 9	Semester 2
EGB120	Foundations of Electrical Engineering
Foundation	on Unit Option
Year 3 - 8	Semester 1
EGB314	Strength of Materials
LSB131	Anatomy
Year 3 - 8	Semester 2
EGB211	Dynamics
LSB231	Physiology
LSB231 Year 4 - S	Physiology Semester 1
LSB231 Year 4 - S EGB214	Physiology Semester 1 Materials and Manufacturing
LSB231 Year 4 - 5 EGB214 EGB323	Physiology Semester 1 Materials and Manufacturing Fluid Mechanics
LSB231 Year 4 - 5 EGB214 EGB323	Physiology Gemester 1 Materials and Manufacturing Fluid Mechanics Gemester 2
LSB231 Year 4 - 5 EGB214 EGB323	Physiology Semester 1 Materials and Manufacturing Fluid Mechanics
LSB231 Year 4 - S EGB214 EGB323 Year 4 - S	Physiology Semester 1 Materials and Manufacturing Fluid Mechanics Semester 2 Fundamentals of Mechanical
LSB231 Year 4 - 5 EGB214 EGB323 Year 4 - 5 EGB210 EGH404	Physiology Semester 1 Materials and Manufacturing Fluid Mechanics Semester 2 Fundamentals of Mechanical Design Research in Engineering
LSB231 Year 4 - 5 EGB214 EGB323 Year 4 - 5 EGB210 EGH404	Physiology Semester 1 Materials and Manufacturing Fluid Mechanics Semester 2 Fundamentals of Mechanical Design Research in Engineering Practice
LSB231 Year 4 - S EGB214 EGB323 Year 4 - S EGB210 EGH404 Year 5 - S	Physiology Gemester 1 Materials and Manufacturing Fluid Mechanics Gemester 2 Fundamentals of Mechanical Design Research in Engineering Practice Gemester 1
LSB231 Year 4 - S EGB214 EGB323 Year 4 - S EGB210 EGH404 Year 5 - S EGB319 EGH400	Physiology Gemester 1 Materials and Manufacturing Fluid Mechanics Gemester 2 Fundamentals of Mechanical Design Research in Engineering Practice Gemester 1 BioDesign
LSB231 Year 4 - 5 EGB214 EGB323 Year 4 - 5 EGB210 EGH404 Year 5 - 5 EGB319 EGH400 -1	Physiology Semester 1 Materials and Manufacturing Fluid Mechanics Semester 2 Fundamentals of Mechanical Design Research in Engineering Practice Semester 1 BioDesign Research Project 1
LSB231 Year 4 - S EGB214 EGB323 Year 4 - S EGB210 EGH404 Year 5 - S EGB319 EGH400 -1 EGH414 EGH438	Physiology Gemester 1 Materials and Manufacturing Fluid Mechanics Gemester 2 Fundamentals of Mechanical Design Research in Engineering Practice Gemester 1 BioDesign Research Project 1 Stress Analysis
LSB231 Year 4 - S EGB214 EGB323 Year 4 - S EGB210 EGH404 Year 5 - S EGB319 EGH400 -1 EGH414 EGH438	Physiology Semester 1 Materials and Manufacturing Fluid Mechanics Semester 2 Fundamentals of Mechanical Design Research in Engineering Practice Semester 1 BioDesign Research Project 1 Stress Analysis Biomaterials
LSB231 Year 4 - 5 EGB214 EGB323 Year 4 - 5 EGB210 EGH404 Year 5 - 5 EGB319 EGH400 -1 EGH414 EGH438 Year 5 - 5 EGH400	Physiology Gemester 1 Materials and Manufacturing Fluid Mechanics Gemester 2 Fundamentals of Mechanical Design Research in Engineering Practice Gemester 1 BioDesign Research Project 1 Stress Analysis Biomaterials Gemester 2
LSB231 Year 4 - 5 EGB214 EGB323 Year 4 - 5 EGB210 EGH404 Year 5 - 5 EGB319 EGH400 -1 EGH414 EGH438 Year 5 - 5 EGH400 -2	Physiology Gemester 1 Materials and Manufacturing Fluid Mechanics Gemester 2 Fundamentals of Mechanical Design Research in Engineering Practice Gemester 1 BioDesign Research Project 1 Stress Analysis Biomaterials Gemester 2 Research Project 2



EGH418 Biomechanics



Year	2020
QUT code	ID18
CRICOS	096573B
Duration (full-time)	5 years
ОР	9
Rank	82
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$9,800 per year full-time (96 credit points)
International fee (indicative)	2020: \$34,200 per year full-time (96 credit points)
Total credit points	480
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; phone +61 7 3138 2000; email: askqut@qut.edu.au; Dr Paul Donehue (Urban Development); phone: 3138 8822; email: sef.enquiry@qut.edu.au
Discipline Coordinator	Sarah Briant (Architecture); Dr Melissa Teo (Construction Management) Design: +61 7 3138 2000; SEF: +61 7 3138 8822 askqut@qut.edu.au (Architecture); sef.enquiry@qut.edu.au (Construction

Management)

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)

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:

International Entry requirements Prerequisites

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

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

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 480 credit points, made up of 192 credit points from the Bachelor of Design (Architecture) and 288 credit points from the Bachelor of Urban Development (Honours) (Construction Management). You will study design and urban development units in your first four years, and concentrate on urban development studies for the remainder of

this course.

Design component

You will complete:

- four school-wide impact lab units (48 credit points)
- the architecture major (144 credit points), including: four shared foundation units (48 credit points)eight units (96 credit points) from the discipline
- four Architecture Specialisation units (48 credit points) - completed as part of the Urban Development component (UXB110, UXB111, UXB210 and UXB211).

Urban Development component

You will complete:

- six core units (72 credit points) including a professional practice unit that requires completion of 30 days of approved construction management work experience.
- eighteen units (216 credit points) from the construction management major.

Study overseas

<u>Study overseas</u> while earning credit towards your QUT creative industries 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 480 credit points, made up of 192 credit points from the Bachelor of Design (Architecture) and 288 credit points from the Bachelor of Urban Development (Honours) (Construction Management). You will study design and urban development units in your first four years, and concentrate on urban development studies for the remainder of this course.

Design component

You will complete:

- four school-wide impact lab units (48 credit points)
- the architecture major (144 credit points), including: four shared foundation units (48 credit points)eight units (96 credit points) from the discipline
- four Architecture Specialisation units (48 credit points) - completed





Bachelor of Design (Architecture)/Bachelor of Urban Development (Honours) (Construction Management)

as part of the Urban Development component (UXB110, UXB111, UXB210 and UXB211).

Urban Development component

You will complete six core units (72 credit points) including a professional practice unit that requires completion of 30 days of approved construction management work experience, and eighteen units (216 credit points) from the construction management major.

Study overseas

Study overseas while gaining 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. For more information, visit QUT student exchange.

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
- Year 5, Semester 1
- Year 5, 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
- Year 6, Semester 1

Code	Title
Semester	1 (February) commencements
Year 1, S	emester 1
DYB101	Impact Lab 1: Place
DYB111	Create and Represent: Form
UXB100	Design-thinking for the Built Environment
UXB110	Residential Construction
Year 1, S	emester 2
DYB113	Create and Represent: Materials
DYB114	Spatial Histories
UXB111	Imagine Construction Management
UXB112	Introduction to Structures

Note: Students considering studying overseas in Year 2 Semester 2 must apply by 1 November.

Year 2, S	emester 1
DAB101	Architectural Design 1: Explorations
DYB112	Spatial Materiality
BSB113	Economics
UXB115	Introduction to Modern Construction Business

Year 2, S	emester 2
DAB102	Architectural Design 2: Spaces
DYB102	Impact Lab 2: People
UXB113	Measurement for Construction
UXB114	Integrated Construction
V0 0	

Year 3, S	emester 1
DAB200	Modern Architecture
DAB201	Architectural Design 3: Dwelling
UXB210	Commercial Construction
UXB213	Advanced Measurement for Construction
Vear 3 S	emester 2

r car o, o	CITICSTOL Z
DAB202	Architectural Design 4: Metro
DAB303	Integrated Architectural Technology
LWS012	Urban Development Law
UXB212	Design for Structures

Year 4, S	emester 1
DAB301	Architectural Design 5: Commercial
DYB201	Impact Lab 3: Planet
UXB211	Building Services
UXH310	High-rise Construction
	B201 Impact Lab 3: Planet will

be offered in semester 2 only in 2020. It will be offered in semester 1 and semester 2 from 2021.

Year 4, S	emester 2
DAROO	Architectural Design 6:

DAB302

	from the Impact Lab Unit ist (DYB301, KKB341 or
KKB350):	
DYB301	Impact Lab 4: Purpose

Communities

V	t O
	emester 2
UXH312	Construction Legislation
UXB301	Professional Practice
UXH400 -2	Project - Part B
UXH410	Strategic Construction Management
Compotor	
	2 (July) commencements
	emester 2
DYB101	Impact Lab 1: Place
DYB113	Create and Represent: Materials
UXB111	Imagine Construction Management
UXB112	Introduction to Structures
Year 2, S	emester 1
	Architectural Design 1:
DAB101	Explorations
DYB111	Create and Represent: Form
UXB100	Design-thinking for the Built Environment
UXB110	Residential Construction
	dents considering studying
	in Year 3 Semester 1 must
apply by	
app., b,	i dulic.
	emester 2
	emester 2 Architectural Design 2:
Year 2, S	emester 2 Architectural Design 2: Spaces
Year 2, S DAB102 DYB114	emester 2 Architectural Design 2: Spaces Spatial Histories
Year 2, S DAB102 DYB114 UXB113	emester 2 Architectural Design 2: Spaces Spatial Histories Measurement for Construction
Year 2, S DAB102 DYB114 UXB113 UXB114	emester 2 Architectural Design 2: Spaces Spatial Histories Measurement for Construction Integrated Construction
Year 2, S DAB102 DYB114 UXB113	emester 2 Architectural Design 2: Spaces Spatial Histories Measurement for Construction Integrated Construction emester 1
Year 2, S DAB102 DYB114 UXB113 UXB114	emester 2 Architectural Design 2: Spaces Spatial Histories Measurement for Construction Integrated Construction emester 1 Architectural Design 3:
Year 2, S DAB102 DYB114 UXB113 UXB114 Year 3, S DAB201	Architectural Design 2: Spaces Spatial Histories Measurement for Construction Integrated Construction emester 1 Architectural Design 3: Dwelling
Year 2, S DAB102 DYB114 UXB113 UXB114 Year 3, S	emester 2 Architectural Design 2: Spaces Spatial Histories Measurement for Construction Integrated Construction emester 1 Architectural Design 3:
Year 2, S DAB102 DYB114 UXB113 UXB114 Year 3, S DAB201 DYB112 BSB113	Architectural Design 2: Spaces Spatial Histories Measurement for Construction Integrated Construction emester 1 Architectural Design 3: Dwelling Spatial Materiality Economics
Year 2, S DAB102 DYB114 UXB113 UXB114 Year 3, S DAB201 DYB112	emester 2 Architectural Design 2: Spaces Spatial Histories Measurement for Construction Integrated Construction emester 1 Architectural Design 3: Dwelling Spatial Materiality
Year 2, S DAB102 DYB114 UXB113 UXB114 Year 3, S DAB201 DYB112 BSB113 UXB115	Architectural Design 2: Spaces Spatial Histories Measurement for Construction Integrated Construction emester 1 Architectural Design 3: Dwelling Spatial Materiality Economics Introduction to Modern
Year 2, S DAB102 DYB114 UXB113 UXB114 Year 3, S DAB201 DYB112 BSB113 UXB115	Architectural Design 2: Spaces Spatial Histories Measurement for Construction Integrated Construction emester 1 Architectural Design 3: Dwelling Spatial Materiality Economics Introduction to Modern Construction Business emester 2
Year 2, S DAB102 DYB114 UXB113 UXB114 Year 3, S DAB201 DYB112 BSB113 UXB115 Year 3, S	Architectural Design 2: Spaces Spatial Histories Measurement for Construction Integrated Construction emester 1 Architectural Design 3: Dwelling Spatial Materiality Economics Introduction to Modern Construction Business emester 2 Architectural Design 4: Metro
Year 2, S DAB102 DYB114 UXB113 UXB114 Year 3, S DAB201 DYB112 BSB113 UXB115 Year 3, S DAB202	Architectural Design 2: Spaces Spatial Histories Measurement for Construction Integrated Construction emester 1 Architectural Design 3: Dwelling Spatial Materiality Economics Introduction to Modern Construction Business emester 2 Architectural Design 4: Metro Impact Lab 2: People
Year 2, S DAB102 DYB114 UXB113 UXB114 Year 3, S DAB201 DYB112 BSB113 UXB115 Year 3, S DAB202 DYB102 LWS012	Architectural Design 2: Spaces Spatial Histories Measurement for Construction Integrated Construction emester 1 Architectural Design 3: Dwelling Spatial Materiality Economics Introduction to Modern Construction Business emester 2 Architectural Design 4: Metro Impact Lab 2: People Urban Development Law
Year 2, S DAB102 DYB114 UXB113 UXB114 Year 3, S DAB201 DYB112 BSB113 UXB115 Year 3, S DAB202 DYB102 LWS012 UXB212	Architectural Design 2: Spaces Spatial Histories Measurement for Construction Integrated Construction emester 1 Architectural Design 3: Dwelling Spatial Materiality Economics Introduction to Modern Construction Business emester 2 Architectural Design 4: Metro Impact Lab 2: People Urban Development Law Design for Structures
Year 2, S DAB102 DYB114 UXB113 UXB114 Year 3, S DAB201 DYB112 BSB113 UXB115 Year 3, S DAB202 DYB102 LWS012 UXB212 Year 4, S	Architectural Design 2: Spaces Spatial Histories Measurement for Construction Integrated Construction emester 1 Architectural Design 3: Dwelling Spatial Materiality Economics Introduction to Modern Construction Business emester 2 Architectural Design 4: Metro Impact Lab 2: People Urban Development Law Design for Structures emester 1
Year 2, S DAB102 DYB114 UXB113 UXB114 Year 3, S DAB201 DYB112 BSB113 UXB115 Year 3, S DAB202 DYB102 LWS012 UXB212	Architectural Design 2: Spaces Spatial Histories Measurement for Construction Integrated Construction emester 1 Architectural Design 3: Dwelling Spatial Materiality Economics Introduction to Modern Construction Business emester 2 Architectural Design 4: Metro Impact Lab 2: People Urban Development Law Design for Structures emester 1 Modern Architecture
Year 2, S DAB102 DYB114 UXB113 UXB114 Year 3, S DAB201 DYB112 BSB113 UXB115 Year 3, S DAB202 DYB102 LWS012 UXB212 Year 4, S	Architectural Design 2: Spaces Spatial Histories Measurement for Construction Integrated Construction emester 1 Architectural Design 3: Dwelling Spatial Materiality Economics Introduction to Modern Construction Business emester 2 Architectural Design 4: Metro Impact Lab 2: People Urban Development Law Design for Structures emester 1
Year 2, S DAB102 DYB114 UXB113 UXB114 Year 3, S DAB201 DYB112 BSB113 UXB115 Year 3, S DAB202 DYB102 LWS012 UXB212 Year 4, S DAB200 DAB301	Architectural Design 2: Spaces Spatial Histories Measurement for Construction Integrated Construction emester 1 Architectural Design 3: Dwelling Spatial Materiality Economics Introduction to Modern Construction Business emester 2 Architectural Design 4: Metro Impact Lab 2: People Urban Development Law Design for Structures emester 1 Modern Architecture Architectural Design 5: Commercial
Year 2, S DAB102 DYB114 UXB113 UXB114 Year 3, S DAB201 DYB112 BSB113 UXB115 Year 3, S DAB202 DYB102 LWS012 UXB212 Year 4, S DAB200	Architectural Design 2: Spaces Spatial Histories Measurement for Construction Integrated Construction emester 1 Architectural Design 3: Dwelling Spatial Materiality Economics Introduction to Modern Construction Business emester 2 Architectural Design 4: Metro Impact Lab 2: People Urban Development Law Design for Structures emester 1 Modern Architecture Architectural Design 5:





Construction

Communities

Technology

Architectural Design 6:

Integrated Architectural

Professional Practice

DAB302

DAB303

UXB301

Year 4, Semester 2

Bachelor of Design (Architecture)/Bachelor of Urban Development (Honours) (Construction Management)

UXH300	Research Methods for the Future Built Environment
Year 5, S	emester 1
DYB201	Impact Lab 3: Planet
	from the Impact Lab Unit .ist (DYB301, KKB341 or :
DYB301	Impact Lab 4: Purpose
KKB341	Work Integrated Learning 1
KKB350	Creative Industries Study Tour
UXB211	Building Services
UXH310	High-rise Construction
be offere	d in semester 2 only in 2020. It
will be off semester	ered in semester 1 and 2 from 2021.
will be off semester Year 5, S	ered in semester 1 and 2 from 2021. emester 2
will be off semester Year 5, S	erred in semester 1 and 2 from 2021. emester 2 Construction Legislation
will be off semester Year 5, S UXH312	ered in semester 1 and 2 from 2021. emester 2
will be off semester Year 5, S UXH312 UXH315 UXH400	cered in semester 1 and 2 from 2021. emester 2 Construction Legislation Construction Estimating
will be off semester Year 5, S UXH312 UXH315 UXH400 -1 UXH410	cered in semester 1 and 2 from 2021. emester 2 Construction Legislation Construction Estimating Project - Part A Strategic Construction
will be off semester Year 5, S UXH312 UXH315 UXH400 -1 UXH410	cered in semester 1 and 2 from 2021. emester 2 Construction Legislation Construction Estimating Project - Part A Strategic Construction Management
will be off semester Year 5, S UXH312 UXH315 UXH400 -1 UXH410 Year 6, S	rered in semester 1 and 2 from 2021. emester 2 Construction Legislation Construction Estimating Project - Part A Strategic Construction Management emester 1
will be off semester Year 5, S UXH312 UXH315 UXH400 -1 UXH410 Year 6, S USB300	cered in semester 1 and 2 from 2021. emester 2 Construction Legislation Construction Estimating Project - Part A Strategic Construction Management emester 1 Property Development





Year	2020
QUT code	ID18
CRICOS	096573B
Duration (full-time)	5 years
OP	14
Rank	70
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$9,800 per year full-time (96 credit points)
International fee (indicative)	2020: \$34,200 per year full-time (96 credit points)
Total credit points	480
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; phone +61 7 3138 2000; email: askqut@qut.edu.au; Dr Paul Donehue (Urban Development); phone: 3138 8822; email: sef.enquiry@qut.edu.au
Discipline Coordinator	Dr Penny Wild (Interior Architecture); Professor Robin Drogemuller (Construction Management) Design +61 7 3138 2000; SEF: +61 7 3138 8822 askqut@qut.edu.au (Interior Architecture); sef enquiry@qut.edu.au

sef.enquiry@qut.edu.au

(Construction

Management)

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)

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:

International Entry requirements Prerequisites

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

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary 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

In order to complete this course, you must complete a total of 480 credit points, made up of 192 credit points from the Bachelor of Design (Interior Architecture) and 288 credit points from the Bachelor of Urban Development

(Honours)(Construction Management). You will study design and urban development units in your first four years, and concentrate on urban development studies for the remainder of this course.

Design component

You will complete:

- four school-wide impact lab units (48 credit points)
- the interior architecture major (144 credit points), including: four shared foundation units (48 credit points)eight units (96 credit points) from the discipline.

Urban development component

You will complete:

- six core units (72 credit points) including a professional practice unit that requires completion of 30 days of approved construction management work experience.
- eighteen units (216 credit points) from the construction management major.

Study overseas

Study overseas while earning credit towards your QUT creative industries 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 480 credit points, made up of 192 credit points from the Bachelor of Design (Interior Architecture) and 288 credit points from the Bachelor of Urban Development

(Honours)(Construction Management). You will study design and urban development units in your first four years, and concentrate on urban development studies for the remainder of this course.

Design component

You will complete:

- four school-wide impact lab units (48 credit points)
- the interior architecture major (144 credit points), including: four shared foundation units (48 credit points)eight units (96 credit points) from the discipline.

Urban development component

You will complete:

 six core units (72 credit points) including a professional practice unit that requires completion of 30 days



Bachelor of Design (Interior Architecture)/Bachelor of Urban Development (Honours) (Construction Management)

of approved construction management work experience.

• eighteen units (216 credit points) from the construction management major.

Study overseas

Study overseas while earning credit towards your QUT creative industries 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
- Year 5, Semester 1
- Year 5, 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
- Year 6, Semester 1

Code Title

Code	Tiue
Semester 1 (February) commencements	
Year 1, S	emester 1
DYB101	Impact Lab 1: Place
DYB111	Create and Represent: Form
UXB100	Design-thinking for the Built Environment
UXB110	Residential Construction
Year 1, S	emester 2
DYB113	Create and Represent: Materials
DYB114	Spatial Histories
UXB111	Imagine Construction Management
UXB112	Introduction to Structures
Note: Students considering studying overseas in Year 2 Semester 2 must apply by 1 November.	
Year 2, Semester 1	
DTB101	Interior Studio 1

DYB112 Spatial Materiality BSB113 Economics UXB115 Introduction to Modern Construction Business Year 2, Semester 2 DTB102 Interior Studio 2 DYB102 Impact Lab 2: People UXB113 Measurement for Construction UXB114 Integrated Construction Year 3, Semester 1 DTB200 Interior Studio 3 UXB210 Commercial Construction UXB213 Advanced Measurement for Construction Year 3, Semester 2 DTB205 Design Psychology DYB201 Impact Lab 3: Planet LWS012 Urban Development Law UXB212 Design for Structures Year 4, Semester 1 DTB304 Design in Society 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 UXB211 Building Services UXH310 High-rise Construction Year 4, Semester 2 DTB305 Interior Studio: Integration DTB306 Interior Systems UXH315 Construction Estimating UXH300 Research Methods for the Future Built Environment Year 5, Semester 1 USB300 Property Development UXH311 Contract Administration UXH311 Contract Administration UXH311 Programming and Scheduling Year 5, Semester 2 UXH312 Construction Legislation UXB301 Professional Practice UXH400 -2 UXH400 Project - Part B UXH410 Strategic Construction Management Semester 2 (July) commencements Year 1, Semester 2 DYB101 Impact Lab 1: Place DYB113 Create and Represent: Materials	icneior of C	orban Development (Honours) (Co
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UXB114 Integrated Construction Year 3, Semester 1 DTB200 Interior Access and Assemblies DTB204 Interior Studio 3 UXB210 Commercial Construction UXB213 Advanced Measurement for Construction Year 3, Semester 2 DTB205 Design Psychology DYB201 Impact Lab 3: Planet LWS012 Urban Development Law UXB212 Design for Structures Year 4, Semester 1 DTB304 Design in Society 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 UXB211 Building Services UXH310 High-rise Construction Year 4, Semester 2 DTB305 Interior Studio: Integration DTB306 Interior Systems UXH315 Construction Estimating Research Methods for the Future Built Environment Year 5, Semester 1 USB300 Property Development UXH311 Contract Administration UXH400 -1 UXH411 Programming and Scheduling Year 5, Semester 2 UXH312 Construction Legislation UXB301 Professional Practice UXH400 -2 Project - Part B UXH410 Strategic Construction Management Semester 2 (July) commencements Year 1, Semester 2 DYB101 Impact Lab 1: Place Create and Represent:	DYB102	Impact Lab 2: People
Year 3, Semester 1 DTB200 Interior Access and Assemblies DTB204 Interior Studio 3 UXB210 Commercial Construction UXB213 Advanced Measurement for Construction Year 3, Semester 2 DTB205 Design Psychology DYB201 Impact Lab 3: Planet LWS012 Urban Development Law UXB212 Design for Structures Year 4, Semester 1 DTB304 Design in Society 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 UXB211 Building Services UXH310 High-rise Construction Year 4, Semester 2 DTB305 Interior Studio: Integration DTB306 Interior Systems UXH315 Construction Estimating UXH300 Property Development UXH310 Project - Part A UXH411 Programming and Scheduling Year 5, Semester 2 UXH312 Construction Legislation UXB301 Professional Practice UXH310 Project - Part B UXH311 Contract Administration UXB301 Professional Practice UXH311 Droject - Part B UXH312 Construction Legislation UXB301 Professional Practice UXH410 Project - Part B UXH410 Impact Lab 1: Place UXH411 Drogramment Semester 2 (July) commencements Year 1, Semester 2 DYB101 Impact Lab 1: Place Create and Represent:	UXB113	Measurement for Construction
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DTB204 Interior Studio 3 UXB210 Commercial Construction UXB213 Advanced Measurement for Construction Year 3, Semester 2 DTB205 Design Psychology DYB201 Impact Lab 3: Planet LWS012 Urban Development Law UXB212 Design for Structures Year 4, Semester 1 DTB304 Design in Society 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 UXB211 Building Services UXH310 High-rise Construction Year 4, Semester 2 DTB305 Interior Studio: Integration DTB306 Interior Systems UXH315 Construction Estimating UXH300 Research Methods for the Future Built Environment Year 5, Semester 1 USB300 Property Development UXH311 Contract Administration UXH400 -1 UXH410 Programming and Scheduling Year 5, Semester 2 UXH312 Construction Legislation UXH300 Professional Practice UXH410 Strategic Construction Management Semester 2 (July) commencements Year 1, Semester 2 DYB101 Impact Lab 1: Place DYB113 Create and Represent:	Year 3, S	emester 1
Assemblies DTB204 Interior Studio 3 UXB210 Commercial Construction Vascar 3, Semester 2 DTB205 Design Psychology DYB201 Impact Lab 3: Planet LWS012 Urban Development Law UXB212 Design for Structures Year 4, Semester 1 DTB304 Design in Society 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 UXB211 Building Services UXH310 High-rise Construction Year 4, Semester 2 DTB305 Interior Studio: Integration DTB306 Interior Systems UXH315 Construction Estimating UXH300 Research Methods for the Future Built Environment Year 5, Semester 1 USB300 Property Development UXH311 Contract Administration UXH400 -1 Project - Part A UXH411 Programming and Scheduling Year 5, Semester 2 UXH312 Construction Legislation UXB301 Professional Practice UXH400 -2 Project - Part B UXH410 Strategic Construction Management Semester 2 (July) commencements Year 1, Semester 2 DYB101 Impact Lab 1: Place DYB113 Create and Represent:	DTR200	Interior Access and
UXB210 Commercial Construction Advanced Measurement for Construction Year 3, Semester 2 DTB205 Design Psychology DYB201 Impact Lab 3: Planet LWS012 Urban Development Law UXB212 Design for Structures Year 4, Semester 1 DTB304 Design in Society 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 UXB211 Building Services UXH310 High-rise Construction Year 4, Semester 2 DTB305 Interior Studio: Integration DTB306 Interior Systems UXH315 Construction Estimating UXH300 Research Methods for the Future Built Environment Year 5, Semester 1 USB300 Property Development UXH311 Contract Administration UXH400 -1 UXH410 Project - Part A UXH411 Programming and Scheduling Year 5, Semester 2 UXH312 Construction Legislation UXB301 Professional Practice UXH400 -2 UXH410 Strategic Construction Management Semester 2 (July) commencements Year 1, Semester 2 DYB101 Impact Lab 1: Place DYB113 Create and Represent:	D1D200	
UXB213 Advanced Measurement for Construction Year 3, Semester 2 DTB205 Design Psychology DYB201 Impact Lab 3: Planet LWS012 Urban Development Law UXB212 Design for Structures Year 4, Semester 1 DTB304 Design in Society 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 UXB211 Building Services UXH310 High-rise Construction Year 4, Semester 2 DTB305 Interior Studio: Integration DTB306 Interior Systems UXH315 Construction Estimating UXH300 Research Methods for the Future Built Environment Year 5, Semester 1 USB300 Property Development UXH311 Contract Administration UXH400 -1 UXH411 Programming and Scheduling Year 5, Semester 2 UXH312 Construction Legislation UXB301 Professional Practice UXH400 -2 UXH410 Strategic Construction Management Semester 2 (July) commencements Year 1, Semester 2 DYB101 Impact Lab 1: Place Create and Represent:	DTB204	
Construction Year 3, Semester 2 DTB205 Design Psychology DYB201 Impact Lab 3: Planet LWS012 Urban Development Law UXB212 Design for Structures Year 4, Semester 1 DTB304 Design in Society 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 UXB211 Building Services UXH310 High-rise Construction Year 4, Semester 2 DTB305 Interior Studio: Integration DTB306 Interior Systems UXH315 Construction Estimating UXH300 Research Methods for the Future Built Environment Year 5, Semester 1 USB300 Property Development UXH311 Contract Administration UXH400 -1 UXH411 Programming and Scheduling Year 5, Semester 2 UXH312 Construction Legislation UXB301 Professional Practice UXH400 -2 UXH410 Strategic Construction Management Semester 2 (July) commencements Year 1, Semester 2 DYB101 Impact Lab 1: Place Create and Represent:	UXB210	
Year 3, Semester 2 DTB205 Design Psychology DYB201 Impact Lab 3: Planet LWS012 Urban Development Law UXB212 Design for Structures Year 4, Semester 1 DTB304 Design in Society 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 UXB211 Building Services UXH310 High-rise Construction Year 4, Semester 2 DTB305 Interior Studio: Integration DTB306 Interior Systems UXH315 Construction Estimating UXH300 Research Methods for the Future Built Environment Year 5, Semester 1 USB300 Property Development UXH311 Contract Administration UXH400 -1 Project - Part A UXH411 Programming and Scheduling Year 5, Semester 2 UXH312 Construction Legislation UXB301 Professional Practice UXH400 -2 Strategic Construction Management Semester 2 (July) commencements Year 1, Semester 2 DYB101 Impact Lab 1: Place Create and Represent:	UXB213	
DTB205 Design Psychology DYB201 Impact Lab 3: Planet LWS012 Urban Development Law UXB212 Design for Structures Year 4, Semester 1 DTB304 Design in Society 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 UXB211 Building Services UXH310 High-rise Construction Year 4, Semester 2 DTB305 Interior Studio: Integration DTB306 Interior Systems UXH315 Construction Estimating UXH300 Research Methods for the Future Built Environment Year 5, Semester 1 USB300 Property Development UXH311 Contract Administration UXH400 -1 Project - Part A UXH411 Programming and Scheduling Year 5, Semester 2 UXH312 Construction Legislation UXB301 Professional Practice UXH400 -2 Project - Part B UXH410 Strategic Construction Management Semester 2 (July) commencements Year 1, Semester 2 DYB101 Impact Lab 1: Place Create and Represent:	V2 C	3311311311311
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Year 4, Semester 1 DTB304 Design in Society 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 UXB211 Building Services UXH310 High-rise Construction Year 4, Semester 2 DTB305 Interior Studio: Integration DTB306 Interior Systems UXH315 Construction Estimating UXH300 Research Methods for the Future Built Environment Year 5, Semester 1 USB300 Property Development UXH311 Contract Administration UXH400 -1 UXH410 Project - Part A UXH411 Programming and Scheduling Year 5, Semester 2 UXH312 Construction Legislation UXB301 Professional Practice UXH400 -2 UXH410 Strategic Construction Management Semester 2 (July) commencements Year 1, Semester 2 DYB101 Impact Lab 1: Place DYB13		·
Year 4, Semester 1 DTB304 Design in Society 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 UXB211 Building Services UXH310 High-rise Construction Year 4, Semester 2 DTB305 Interior Studio: Integration DTB306 Interior Systems UXH315 Construction Estimating UXH300 Research Methods for the Future Built Environment Year 5, Semester 1 USB300 Property Development UXH311 Contract Administration UXH400 -1 UXH411 Programming and Scheduling Year 5, Semester 2 UXH312 Construction Legislation UXB301 Professional Practice UXH400 -2 UXH410 Strategic Construction Management Semester 2 (July) commencements Year 1, Semester 2 DYB101 Impact Lab 1: Place Create and Represent:		·
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 UXB211 Building Services UXH310 High-rise Construction Year 4, Semester 2 DTB305 Interior Studio: Integration DTB306 Interior Systems UXH315 Construction Estimating UXH300 Research Methods for the Future Built Environment Year 5, Semester 1 USB300 Property Development UXH311 Contract Administration UXH400 -1 UXH411 Programming and Scheduling Year 5, Semester 2 UXH312 Construction Legislation UXB301 Professional Practice UXH400 -2 UXH410 Strategic Construction Management Semester 2 (July) commencements Year 1, Semester 2 DYB101 Impact Lab 1: Place Create and Represent:		_
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 UXB211 Building Services UXH310 High-rise Construction Year 4, Semester 2 DTB305 Interior Studio: Integration DTB306 Interior Systems UXH315 Construction Estimating UXH300 Research Methods for the Future Built Environment Year 5, Semester 1 USB300 Property Development UXH311 Contract Administration UXH400 -1 UXH411 Programming and Scheduling Year 5, Semester 2 UXH412 Construction Legislation UXB301 Professional Practice UXH400 -2 UXH410 Strategic Construction Management Semester 2 (July) commencements Year 1, Semester 2 DYB101 Impact Lab 1: Place Create and Represent:		
Options List (DYB301, KKB341 or KKB350): DYB301 Impact Lab 4: Purpose KKB341 Work Integrated Learning 1 KKB350 Creative Industries Study Tour UXB211 Building Services UXH310 High-rise Construction Year 4, Semester 2 DTB305 Interior Studio: Integration DTB306 Interior Systems UXH315 Construction Estimating UXH300 Research Methods for the Future Built Environment Year 5, Semester 1 USB300 Property Development UXH311 Contract Administration UXH400 -1 Project - Part A UXH411 Programming and Scheduling Year 5, Semester 2 UXH312 Construction Legislation UXB301 Professional Practice UXH400 -2 Project - Part B UXH410 Strategic Construction Management Semester 2 (July) commencements Year 1, Semester 2 DYB101 Impact Lab 1: Place Create and Represent:		
KKB350): DYB301 Impact Lab 4: Purpose KKB341 Work Integrated Learning 1 KKB350 Creative Industries Study Tour UXB211 Building Services UXH310 High-rise Construction Year 4, Semester 2 DTB305 Interior Studio: Integration DTB306 Interior Systems UXH315 Construction Estimating UXH300 Research Methods for the Future Built Environment Year 5, Semester 1 USB300 Property Development UXH311 Contract Administration UXH400 -1 Project - Part A UXH411 Programming and Scheduling Year 5, Semester 2 UXH312 Construction Legislation UXB301 Professional Practice UXH400 -2 Project - Part B UXH410 Strategic Construction Management Semester 2 (July) commencements Year 1, Semester 2 DYB101 Impact Lab 1: Place Create and Represent:		
KKB341 Work Integrated Learning 1 KKB350 Creative Industries Study Tour UXB211 Building Services UXH310 High-rise Construction Year 4, Semester 2 DTB305 Interior Studio: Integration DTB306 Interior Systems UXH315 Construction Estimating UXH300 Research Methods for the Future Built Environment Year 5, Semester 1 USB300 Property Development UXH311 Contract Administration UXH400 -1 Project - Part A UXH411 Programming and Scheduling Year 5, Semester 2 UXH312 Construction Legislation UXB301 Professional Practice UXH400 -2 Project - Part B UXH410 Strategic Construction Management Semester 2 (July) commencements Year 1, Semester 2 DYB101 Impact Lab 1: Place Create and Represent:		
KKB350 Creative Industries Study Tour UXB211 Building Services UXH310 High-rise Construction Year 4, Semester 2 DTB305 Interior Studio: Integration DTB306 Interior Systems UXH315 Construction Estimating Research Methods for the Future Built Environment Year 5, Semester 1 USB300 Property Development UXH311 Contract Administration UXH400 -1 Project - Part A UXH411 Programming and Scheduling Year 5, Semester 2 UXH312 Construction Legislation UXB301 Professional Practice UXH400 -2 Project - Part B UXH410 Strategic Construction Management Semester 2 (July) commencements Year 1, Semester 2 DYB101 Impact Lab 1: Place Create and Represent:	DYB301	Impact Lab 4: Purpose
UXB211 Building Services UXH310 High-rise Construction Year 4, Semester 2 DTB305 Interior Studio: Integration DTB306 Interior Systems UXH315 Construction Estimating UXH300 Research Methods for the Future Built Environment Year 5, Semester 1 USB300 Property Development UXH311 Contract Administration UXH400 -1 Project - Part A UXH411 Programming and Scheduling Year 5, Semester 2 UXH312 Construction Legislation UXB301 Professional Practice UXH400 -2 Project - Part B UXH410 Strategic Construction Management Semester 2 (July) commencements Year 1, Semester 2 DYB101 Impact Lab 1: Place Create and Represent:	KKB341	Work Integrated Learning 1
UXH310 High-rise Construction Year 4, Semester 2 DTB305 Interior Studio: Integration DTB306 Interior Systems UXH315 Construction Estimating UXH300 Research Methods for the Future Built Environment Year 5, Semester 1 USB300 Property Development UXH311 Contract Administration UXH400 -1 Project - Part A UXH411 Programming and Scheduling Year 5, Semester 2 UXH312 Construction Legislation UXB301 Professional Practice UXH400 -2 Project - Part B UXH410 Strategic Construction Management Semester 2 (July) commencements Year 1, Semester 2 DYB101 Impact Lab 1: Place Create and Represent:	KKB350	Creative Industries Study Tour
Year 4, Semester 2 DTB305 Interior Studio: Integration DTB306 Interior Systems UXH315 Construction Estimating Research Methods for the Future Built Environment Year 5, Semester 1 USB300 Property Development UXH311 Contract Administration UXH400 Project - Part A UXH411 Programming and Scheduling Year 5, Semester 2 UXH312 Construction Legislation UXB301 Professional Practice UXH400 Project - Part B UXH410 Strategic Construction Management Semester 2 (July) commencements Year 1, Semester 2 DYB101 Impact Lab 1: Place Create and Represent:	UXB211	Building Services
DTB305 Interior Studio: Integration DTB306 Interior Systems UXH315 Construction Estimating Research Methods for the Future Built Environment Year 5, Semester 1 USB300 Property Development UXH311 Contract Administration UXH400 -1 Project - Part A UXH411 Programming and Scheduling Year 5, Semester 2 UXH312 Construction Legislation UXB301 Professional Practice UXH400 -2 Project - Part B UXH410 Strategic Construction Management Semester 2 (July) commencements Year 1, Semester 2 DYB101 Impact Lab 1: Place Create and Represent:	UXH310	High-rise Construction
DTB306 Interior Systems UXH315 Construction Estimating Research Methods for the Future Built Environment Year 5, Semester 1 USB300 Property Development UXH311 Contract Administration UXH400 Project - Part A UXH411 Programming and Scheduling Year 5, Semester 2 UXH312 Construction Legislation UXB301 Professional Practice UXH400 Project - Part B UXH410 Strategic Construction Management Semester 2 (July) commencements Year 1, Semester 2 DYB101 Impact Lab 1: Place Create and Represent:	Year 4, S	
UXH315 Construction Estimating UXH300 Research Methods for the Future Built Environment Year 5, Semester 1 USB300 Property Development UXH311 Contract Administration UXH400 Project - Part A UXH411 Programming and Scheduling Year 5, Semester 2 UXH312 Construction Legislation UXB301 Professional Practice UXH400 Project - Part B UXH410 Strategic Construction Management Semester 2 (July) commencements Year 1, Semester 2 DYB101 Impact Lab 1: Place Create and Represent:	DTB305	Interior Studio: Integration
Research Methods for the Future Built Environment Year 5, Semester 1 USB300 Property Development UXH311 Contract Administration UXH400 Project - Part A UXH411 Programming and Scheduling Year 5, Semester 2 UXH312 Construction Legislation UXB301 Professional Practice UXH400 Project - Part B UXH410 Strategic Construction Management Semester 2 (July) commencements Year 1, Semester 2 DYB101 Impact Lab 1: Place Create and Represent:	DTB306	-
Future Built Environment Year 5, Semester 1 USB300 Property Development UXH311 Contract Administration UXH400 -1 Project - Part A UXH411 Programming and Scheduling Year 5, Semester 2 UXH312 Construction Legislation UXB301 Professional Practice UXH400 -2 Project - Part B UXH410 Strategic Construction Management Semester 2 (July) commencements Year 1, Semester 2 DYB101 Impact Lab 1: Place Create and Represent:	UXH315	Construction Estimating
Year 5, Semester 1 USB300 Property Development UXH311 Contract Administration UXH400 Project - Part A UXH411 Programming and Scheduling Year 5, Semester 2 UXH312 Construction Legislation UXB301 Professional Practice UXH400 Project - Part B UXH410 Strategic Construction Management Semester 2 (July) commencements Year 1, Semester 2 DYB101 Impact Lab 1: Place Create and Represent:	UXH300	
USB300 Property Development UXH311 Contract Administration UXH400 -1 Project - Part A UXH411 Programming and Scheduling Year 5, Semester 2 UXH312 Construction Legislation UXB301 Professional Practice UXH400 -2 Project - Part B UXH410 Strategic Construction Management Semester 2 (July) commencements Year 1, Semester 2 DYB101 Impact Lab 1: Place Create and Represent:	Vacr F C	
UXH311 Contract Administration UXH400 -1 Project - Part A UXH411 Programming and Scheduling Year 5, Semester 2 UXH312 Construction Legislation UXB301 Professional Practice UXH400 -2 Project - Part B UXH410 Strategic Construction Management Semester 2 (July) commencements Year 1, Semester 2 DYB101 Impact Lab 1: Place DYB113 Contract Administration Project - Part A UXH410 Project - Part B UXH410 Strategic Construction Management Semester 2 (July) commencements Year 1, Semester 2 DYB101 Impact Lab 1: Place Create and Represent:		
UXH400 -1 Project - Part A UXH411 Programming and Scheduling Year 5, Semester 2 UXH312 Construction Legislation UXB301 Professional Practice UXH400 -2 Project - Part B UXH410 Strategic Construction Management Semester 2 (July) commencements Year 1, Semester 2 DYB101 Impact Lab 1: Place Create and Represent:		
-1 Project - Part A UXH411 Programming and Scheduling Year 5, Semester 2 UXH312 Construction Legislation UXB301 Professional Practice UXH400 -2 Project - Part B UXH410 Strategic Construction Management Semester 2 (July) commencements Year 1, Semester 2 DYB101 Impact Lab 1: Place Create and Represent:		Contract Administration
Year 5, Semester 2 UXH312 Construction Legislation UXB301 Professional Practice UXH400 -2 Project - Part B UXH410 Strategic Construction Management Semester 2 (July) commencements Year 1, Semester 2 DYB101 Impact Lab 1: Place Create and Represent:		Project - Part A
Year 5, Semester 2 UXH312 Construction Legislation UXB301 Professional Practice UXH400 -2 Project - Part B UXH410 Strategic Construction Management Semester 2 (July) commencements Year 1, Semester 2 DYB101 Impact Lab 1: Place Create and Represent:	UXH411	Programming and Scheduling
UXB301 Professional Practice UXH400 -2 Project - Part B UXH410 Strategic Construction Management Semester 2 (July) commencements Year 1, Semester 2 DYB101 Impact Lab 1: Place Create and Represent:	Year 5, S	
UXH400 -2 Project - Part B UXH410 Strategic Construction Management Semester 2 (July) commencements Year 1, Semester 2 DYB101 Impact Lab 1: Place Create and Represent:	UXH312	Construction Legislation
-2 Project - Part B UXH410 Strategic Construction Management Semester 2 (July) commencements Year 1, Semester 2 DYB101 Impact Lab 1: Place Create and Represent:	UXB301	Professional Practice
UXH410 Strategic Construction Management Semester 2 (July) commencements Year 1, Semester 2 DYB101 Impact Lab 1: Place Create and Represent:	UXH400	Droinet Dart B
Management Semester 2 (July) commencements Year 1, Semester 2 DYB101 Impact Lab 1: Place Create and Represent:	-2	Project - Part B
Management Semester 2 (July) commencements Year 1, Semester 2 DYB101 Impact Lab 1: Place Create and Represent:	UXH410	
Year 1, Semester 2 DYB101 Impact Lab 1: Place Create and Represent:		_
DYB101 Impact Lab 1: Place Create and Represent:		
DVR113 Create and Represent:		
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materiale	DYB113	
		Matorialo

UXB111	Imagine Construction Management
UXB112	Introduction to Structures
Year 2. S	emester 1
DTB101	Interior Studio 1
DYB111	Create and Represent: Form
UXB100	Design-thinking for the Built
	Environment
UXB110	Residential Construction
	dents considering studying
apply by	in Year 3 Semester 1 must 1 June.
Year 2, S	emester 2
DTB102	
DYB114	Spatial Histories
UXB113	Measurement for Construction
UXB114	Integrated Construction
	emester 1
DYB102	Impact Lab 2: People
DYB112	Spatial Materiality
BSB113	Economics
UXB115	Introduction to Modern
V 0 0	Construction Business
	emester 2
DTB205	Design Psychology
DYB201	Impact Lab 3: Planet
LWS012	Urban Development Law
UXB212	Design for Structures
Year 4, S	emester 1
Year 4, S	emester 1 Interior Access and Assemblies
	Interior Access and
DTB200 DTB204	Interior Access and Assemblies
DTB200 DTB204 UXB210	Interior Access and Assemblies Interior Studio 3 Commercial Construction Advanced Measurement for
DTB200 DTB204 UXB210 UXB213	Interior Access and Assemblies Interior Studio 3 Commercial Construction Advanced Measurement for Construction
DTB200 DTB204 UXB210 UXB213 Year 4, S	Interior Access and Assemblies Interior Studio 3 Commercial Construction Advanced Measurement for Construction emester 2
DTB200 DTB204 UXB210 UXB213	Interior Access and Assemblies Interior Studio 3 Commercial Construction Advanced Measurement for Construction emester 2 Interior Studio: Integration
DTB200 DTB204 UXB210 UXB213 Year 4, S DTB305 DTB306	Interior Access and Assemblies Interior Studio 3 Commercial Construction Advanced Measurement for Construction emester 2 Interior Studio: Integration Interior Systems
DTB200 DTB204 UXB210 UXB213 Year 4, S DTB305	Interior Access and Assemblies Interior Studio 3 Commercial Construction Advanced Measurement for Construction emester 2 Interior Studio: Integration Interior Systems Professional Practice
DTB200 DTB204 UXB210 UXB213 Year 4, S DTB305 DTB306	Interior Access and Assemblies Interior Studio 3 Commercial Construction Advanced Measurement for Construction emester 2 Interior Studio: Integration Interior Systems
DTB200 DTB204 UXB210 UXB213 Year 4, S DTB305 DTB306 UXB301 UXH300	Interior Access and Assemblies Interior Studio 3 Commercial Construction Advanced Measurement for Construction emester 2 Interior Studio: Integration Interior Systems Professional Practice Research Methods for the Future Built Environment
DTB200 DTB204 UXB210 UXB213 Year 4, S DTB305 DTB306 UXB301 UXH300 Year 5, S	Interior Access and Assemblies Interior Studio 3 Commercial Construction Advanced Measurement for Construction emester 2 Interior Studio: Integration Interior Systems Professional Practice Research Methods for the Future Built Environment emester 1
DTB200 DTB204 UXB210 UXB213 Year 4, S DTB305 DTB306 UXB301 UXH300 Year 5, S DTB304	Interior Access and Assemblies Interior Studio 3 Commercial Construction Advanced Measurement for Construction emester 2 Interior Studio: Integration Interior Systems Professional Practice Research Methods for the Future Built Environment emester 1 Design in Society
DTB200 DTB204 UXB210 UXB213 Year 4, S DTB305 DTB306 UXB301 UXH300 Year 5, S DTB304 One unit	Interior Access and Assemblies Interior Studio 3 Commercial Construction Advanced Measurement for Construction emester 2 Interior Studio: Integration Interior Systems Professional Practice Research Methods for the Future Built Environment emester 1
DTB200 DTB204 UXB210 UXB213 Year 4, S DTB305 DTB306 UXB301 UXH300 Year 5, S DTB304 One unit	Interior Access and Assemblies Interior Studio 3 Commercial Construction Advanced Measurement for Construction emester 2 Interior Studio: Integration Interior Systems Professional Practice Research Methods for the Future Built Environment emester 1 Design in Society from the Impact Lab Unit List (DYB301, KKB341 or
DTB200 DTB204 UXB210 UXB213 Year 4, S DTB305 DTB306 UXB301 UXH300 Year 5, S DTB304 One unit Options L	Interior Access and Assemblies Interior Studio 3 Commercial Construction Advanced Measurement for Construction emester 2 Interior Studio: Integration Interior Systems Professional Practice Research Methods for the Future Built Environment emester 1 Design in Society from the Impact Lab Unit List (DYB301, KKB341 or
DTB200 DTB204 UXB210 UXB213 Year 4, S DTB305 DTB306 UXB301 UXH300 Year 5, S DTB304 One unit Options L KKB350)	Interior Access and Assemblies Interior Studio 3 Commercial Construction Advanced Measurement for Construction emester 2 Interior Studio: Integration Interior Systems Professional Practice Research Methods for the Future Built Environment emester 1 Design in Society from the Impact Lab Unit ist (DYB301, KKB341 or
DTB200 DTB204 UXB210 UXB213 Year 4, S DTB305 DTB306 UXB301 UXH300 Year 5, S DTB304 One unit Options L KKB350) DYB301	Interior Access and Assemblies Interior Studio 3 Commercial Construction Advanced Measurement for Construction emester 2 Interior Studio: Integration Interior Systems Professional Practice Research Methods for the Future Built Environment emester 1 Design in Society from the Impact Lab Unit List (DYB301, KKB341 or Impact Lab 4: Purpose Work Integrated Learning 1
DTB200 DTB204 UXB210 UXB213 Year 4, S DTB305 DTB306 UXB301 UXH300 Year 5, S DTB304 One unit Options L KKB350) DYB301 KKB341	Interior Access and Assemblies Interior Studio 3 Commercial Construction Advanced Measurement for Construction emester 2 Interior Studio: Integration Interior Systems Professional Practice Research Methods for the Future Built Environment emester 1 Design in Society from the Impact Lab Unit ist (DYB301, KKB341 or Impact Lab 4: Purpose Work Integrated Learning 1 Creative Industries Study Tour
DTB200 DTB204 UXB210 UXB213 Year 4, S DTB305 DTB306 UXB301 UXH300 Year 5, S DTB304 One unit Options L KKB350) DYB301 KKB341 KKB350 UXB211	Interior Access and Assemblies Interior Studio 3 Commercial Construction Advanced Measurement for Construction emester 2 Interior Studio: Integration Interior Systems Professional Practice Research Methods for the Future Built Environment emester 1 Design in Society from the Impact Lab Unit ist (DYB301, KKB341 or Impact Lab 4: Purpose Work Integrated Learning 1 Creative Industries Study Tour Building Services
DTB200 DTB204 UXB210 UXB213 Year 4, S DTB305 DTB306 UXB301 UXH300 Year 5, S DTB304 One unit Options L KKB350) DYB301 KKB341 KKB350 UXB211 UXH310	Interior Access and Assemblies Interior Studio 3 Commercial Construction Advanced Measurement for Construction emester 2 Interior Studio: Integration Interior Systems Professional Practice Research Methods for the Future Built Environment emester 1 Design in Society from the Impact Lab Unit ist (DYB301, KKB341 or Impact Lab 4: Purpose Work Integrated Learning 1 Creative Industries Study Tour Building Services High-rise Construction
DTB200 DTB204 UXB210 UXB213 Year 4, S DTB305 DTB306 UXB301 UXH300 Year 5, S DTB304 One unit Options L KKB350) DYB301 KKB341 KKB350 UXB211 UXH310 Year 5, S	Interior Access and Assemblies Interior Studio 3 Commercial Construction Advanced Measurement for Construction emester 2 Interior Studio: Integration Interior Systems Professional Practice Research Methods for the Future Built Environment emester 1 Design in Society from the Impact Lab Unit ist (DYB301, KKB341 or Impact Lab 4: Purpose Work Integrated Learning 1 Creative Industries Study Tour Building Services High-rise Construction emester 2
DTB200 DTB204 UXB210 UXB213 Year 4, S DTB305 DTB306 UXB301 UXH300 Year 5, S DTB304 One unit Options L KKB350) DYB301 KKB341 KKB350 UXB211 UXH310 Year 5, S UXH312	Interior Access and Assemblies Interior Studio 3 Commercial Construction Advanced Measurement for Construction emester 2 Interior Studio: Integration Interior Systems Professional Practice Research Methods for the Future Built Environment emester 1 Design in Society from the Impact Lab Unit ist (DYB301, KKB341 or Impact Lab 4: Purpose Work Integrated Learning 1 Creative Industries Study Tour Building Services High-rise Construction emester 2 Construction Legislation
DTB200 DTB204 UXB210 UXB213 Year 4, S DTB305 DTB306 UXB301 UXH300 Year 5, S DTB304 One unit Options L KKB350) DYB301 KKB341 KKB350 UXB211 UXH310 Year 5, S UXH312 UXH315	Interior Access and Assemblies Interior Studio 3 Commercial Construction Advanced Measurement for Construction emester 2 Interior Studio: Integration Interior Systems Professional Practice Research Methods for the Future Built Environment emester 1 Design in Society from the Impact Lab Unit ist (DYB301, KKB341 or Impact Lab 4: Purpose Work Integrated Learning 1 Creative Industries Study Tour Building Services High-rise Construction emester 2 Construction Legislation Construction Estimating
DTB200 DTB204 UXB210 UXB213 Year 4, S DTB305 DTB306 UXB301 UXH300 Year 5, S DTB304 One unit Options L KKB350) DYB301 KKB341 KKB350 UXB211 UXH310 Year 5, S UXH312	Interior Access and Assemblies Interior Studio 3 Commercial Construction Advanced Measurement for Construction emester 2 Interior Studio: Integration Interior Systems Professional Practice Research Methods for the Future Built Environment emester 1 Design in Society from the Impact Lab Unit ist (DYB301, KKB341 or Impact Lab 4: Purpose Work Integrated Learning 1 Creative Industries Study Tour Building Services High-rise Construction emester 2 Construction Legislation



Bachelor of Design (Interior Architecture)/Bachelor of Urban Development (Honours) (Construction Management)

-1		
UXH410	Strategic Construction Management	
Year 6, S	emester 1	
USB300	Property Development	
UXH311	Contract Administration	
UXH400 -2	Project - Part B	
UXH411	Programming and Scheduling	





Year	2020
QUT code	ID18
CRICOS	096573B
Duration (full-time)	5 years
ОР	14
Rank	70
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$9,800 per year full-time (96 credit points)
International fee (indicative)	2020: \$34,200 per year full-time (96 credit points)
Total credit points	480
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; phone +61 7 3138 2000; email: askqut@qut.edu.au; Dr Paul Donehue (Urban Development); phone: 3138 8822; email: sef.enquiry@qut.edu.au
Discipline Coordinator	Gregor Mews (Landscape Architecture); Mellini Sloan (Urban and Regional Planning) Design: +61 7 3138 2000: SEF: +61 7 3138 8822 askqut@qut.edu.au (Landscape Architecture); sef.enquiry@qut.edu.au (Urban and Regional Planning)

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)

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:

International Entry requirements Prerequisites

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

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International Testing System)	ELTS (International English Language 「esting 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 480 credit points, made up of 192 credit points from the Bachelor of Design (Landscape Architecture) and 288 credit points from the Bachelor of Urban Development (Honours) (Urban and Regional Planning). You will study design and urban development units in your first your years, and concentrate on urban development studies for the remainder of this course.

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.

Urban development component

You will complete:

- six core units (72 credit points) including a professional practice unit that requires completion of 30 days of approved urban and regional planning work experience.
- 216 credit points from the urban and regional planning major.

Study overseas

<u>Study overseas</u> while earning credit towards your QUT creative industries 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 480 credit points, made up of 192 credit points from the Bachelor of Design (Landscape Architecture) and 288 credit points from the Bachelor of Urban Development (Honours) (Urban and Regional Planning). You will study design and urban development units in your first your years, and concentrate on urban development studies for the remainder of this course.

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.

Urban development component

You will complete:

- six core units (72 credit points) including a professional practice unit that requires completion of 30 days of approved urban and regional planning work experience.
- 216 credit points from the urban and regional planning major.

Study overseas

Study overseas while earning credit towards your QUT creative industries degree with one of our worldwide exchange partners.

Overseas study can be for one or two



Bachelor of Design (Landscape Architecture)/Bachelor of Urban Development (Honours) (Urban and Regional Planning)

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
- Year 5, Semester 1
- Year 5, 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
- Year 6. Semester 1

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Vear 1	Semester 1	

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DYB101	Impact Lab 1: Place

DYB111 | Create and Represent: Form

Semester 1 (February) commencements

UXB131 Planning and Design Practice UXB132 Urban Analysis

Year 1, Semester 2

l,	DYB113	Create and Represent:
	סווסוט	Materials

DYB114 Spatial Histories

UXB133 Urban Studies UXB134 Land Use Planning

Note: Students considering studying overseas in Year 2 Semester 2 must apply by 1 November.

Year 2, Semester 1

DLB101	Landscape Studio 1
DYB112	Spatial Materiality
UXB130	History of the Built Environment
UXB100	Design-thinking for the Built Environment

Year 2, Semester 2

DLB102	Landscape Studio 2
DYB102	Impact Lab 2: People
LWS012	Urban Development Law
UXB135	Negotiation and Conflict Resolution

Year 3, Semester 1

	DLB201	Landform, Technology and Techniques		
	DLB202	Landscape, People and Place Studio		
	UXB233	Planning Law		
	UXB231	Stakeholder Engagement		

Year 3, Semester 2

DLB204	Planting Design
DYB201	Impact Lab 3: Planet
LIVEDOOO	O:1 DI :

UXB230 | Site Planning

UXB234 Transport Planning

Year 4, Semester 1

DLB301 Landscape Ecology

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

BSB113 Economics

UXB330 Urban Design

Year 4, Semester 2

DLB302	Landscape Materiality and Constructs
DLB303	Resilient Landscapes Studio
UXB301	Professional Practice
UXH300	Research Methods for the

Future Built Environment

Year 5, Semester 1

00200	
UXH400 -1	Project - Part A
UXH430	Planning Theory and Ethics
UXH431	Urban Planning Practice

USB300 Property Development

Year 5, Semester 2

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-2	Project - Part B
UXH331	Environmental Planning
UXH432	Community Planning
UXH433	Regional Planning

Semester 2 (July) commencements

Year 1, Semester 2

DYB101	Impact Lab 1: Place
DYB113	Create and Represent: Materials
UXB133	Urban Studies
UXB134	Land Use Planning
	and the second s

Year 2, Semester

DIBIII	Crea	ate an	a Repr	ese	nt: F	orm
DYB112	Spat	tial Ma	aterialit	.y		
LD/D 404					_	

UXB131 | Planning and Design Practice

UXB132 Urban Analysis

Note: Students considering studying overseas in Year 3 Semester 1 must apply by 1 June.

Year 2, Semester 2

DYB114	Spatial Histories			
LWS012	Urban Development Law			
UXB135	Negotiation and Conflict Resolution			

DLB102 Landscape Studio 2

Year 3, Semester 1

DLB101	Landscape Studio 1
DYB102	Impact Lab 2: People
UXB100	Design-thinking for the Built Environment

History of the Built

Environment Year 3, Semester 2

UXB130

DLB204	Planting Design			
DYB201	Impact Lab 3: Planet			
UXB230	Site Planning			
UXB234	Transport Planning			

Year 4, Semester 1

	dform, ∃ hniques		ology	and
		_		

Landscape, People and Place DI B202 Studio

UXB231 Stakeholder Engagement

UXB233 Planning Law

Year 4, Semester 2

DLB302	Landscape Materiality and Constructs

DLB303 Resilient Landscapes Studio

UXB301 Professional Practice

Research Methods for the **UXH300 Future Built Environment**

Year 5, Semester 1

DLB301 Landscape Ecology 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

UXB330 Urban Design

UXH400 Project - Part A

-1 Year 5, Semester 2

UXH331 Environmental Planning UXH400 Project - Part B -2

UXH432 | Community Planning Regional Planning UXH433

Year 6, Semester 1

BSB113	Economics
USB300	Property Development
UXH430	Planning Theory and Ethics
UXH431	Urban Planning Practice



Year	2020
QUT code	ID19
CRICOS	096574A
Duration (full-time)	5.5 years
ОР	9
Rank	82
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$9,500 per year full-time (96 credit points)
International fee (indicative)	2020: \$38,700 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	Program Director, School of Design; phone +61 7 3138 2000; email: askqut@qut.edu.au; SEF Enquiries; email: sef.enquiry@qut.edu.au; phone: +61 7 3138 8822
Discipline Coordinator	Sarah Briant (Architecture); Dr Thomas Rainey (Chemical Process), Associate Professor Jonathan Bunker (Civil), Dr Wayne Kelly (Computer and Software Systems), Dr Aaron Mcfadyen (Electrical and Aerospace), Dr Jacob Coetzee (Electrical), Dr Wim Dekkers/Professor Ted Steinberg (Mechanical), Associate Professor Luis Alvarez (Mechatronics), Associate Professor Devakar Epari (Medical) Design: +61 7 3138 2000; SEF: +61 7 3138 8822 askqut@qut.edu.au (Architecture); sef.enquiry@qut.edu.au (Engineering)

Domestic Assumed knowledge

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

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

Recommended Study: Chemistry; Maths C; Physics. We assume that you have knowledge equivalent to four semesters at high school level (Years 11 and 12) with sound achievement (4, SA).

International Entry requirements

Prerequisites

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

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary 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

In order to complete this course, you must complete a total of 528 credit points, made up of 240 credit points from the Bachelor of Design (Architecture) and 288 credit points from the Bachelor of Engineering (Honours). You will study design and engineering units in your first your years and for the remainder of this course you will concentrate on engineering studies.

Design component

You will complete:

- four school-wide impact lab units (48 credit points)
- four architecture specialisation units

(48 credit points)

 and the architecture major (144 credit points), including: four shared foundation units (48 credit points)eight units (96 credit points) from the discipline.

Engineering component

Your engineering studies will include:

- four core units (48 credit points) and two core options (24 credit points)
- eight engineering major units (120 credit points)
- eight honours-level units (96 credits points).

You must choose a major from:

- chemical process engineering
- · civil engineering
- computer and software systems engineering
- electrical engineering
- electrical and aerospace engineering
- mechatronics engineering
- · mechanical engineering
- · medical engineering

Study overseas

Study overseas while earning credit towards your QUT creative industries 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 528 credit points, made up of 240 credit points from the Bachelor of Design (Architecture) and 288 credit points from the Bachelor of Engineering (Honours). You will study design and engineering units in your first your years and for the remainder of this course you will concentrate on engineering studies.

Design component

You will complete:

- four school-wide impact lab units (48 credit points)
- four architecture specialisation units (48 credit points)
- and the architecture major (144 credit points), including: four shared foundation units (48 credit points)eight units (96 credit points) from the discipline.



Engineering component

Your engineering studies will include:

- four core units (48 credit points) and two core options (24 credit points)
- eight engineering major units (120 credit points)
- eight honours-level units (96 credits points).

You must choose a major from:

- chemical process engineering
- · civil engineering
- · computer and software systems engineering
- · electrical engineering
- · electrical and aerospace engineering
- · mechatronics engineering
- · mechanical engineering
- medical engineering

Study overseas

Study overseas while earning credit towards your QUT creative industries 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
- Year 5, Semester 1 Year 5, Semester 2
- Year 6, Semester 1
- 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
- Year 6, Semester 1
- Year 6, Semester 2

Code	Title
Semester 1 (February) commencements	
Year 1, Semester 1	
DYB101	Impact Lab 1: Place
DYB111	Create and Represent: Form
Engineering Unit	

		1.1.24
Engli	neering	Unit

Year 1, Semester 2

Create and Represent: **DYB113**

Materials

DYB114 Spatial Histories

Engineering Unit

Engineering Unit

Note: Students considering studying overseas in Year 2 Semester 2 must apply by 1 November.

Year 2, Semester 1

Architectural Design 1: **Explorations**

DYB112 | Spatial Materiality

Engineering Unit

Engineering Unit

Year 2, Semester 2

Architectural Design 2: **DAB102** Spaces

Integrated Architectural **DAB303** Technology

Engineering Unit Engineering Unit

Year 3, Semester 1

DAB201	Architectural Design 3: Dwelling
DAB211	Environmental Principles of Architectural Design

Engineering Unit

Engineering Unit

Year 3, Semester 2

DAB202	Architectural Design 4: Metro
DAB212	Small Scale Building Construction

Engineering Unit

Engineering Unit

Year 4, Semester 1

DAB311	Systems and Structures
DVR102	Impact Lah 2: People

DYB102 | Impact Lab 2: People

Engineering Unit

Engineering Unit

Year 4, Semester 2

DAB302	Architectural Design 6: Communities

DAB312 Building Services

Engineering Unit

Engineering Unit

Year 5, Semester 1

DAB200	Modern Architecture
DAB301	Architectural Design 5: Commercial

Engineering Unit

Engineering Unit

Year 5, Semester 2

Engineering Unit

Engineering Unit

Engineering Unit

Engineering Unit

Year 6, 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

Engineering Unit

Engineering Unit

Note: DYB201 Impact Lab 3: Planet will be offered in semester 2 only in 2020. It will be offered in semester 1 and semester 2 from 2021.

Semester 2 (July) commencements

Year 1, Semester 2

DYB101 Impact Lab 1: Place Create and Represent:

Materials

Engineering Unit Engineering Unit

DYB113

Year 2, Semester 1

DYB111 | Create and Represent: Form

DYB112 | Spatial Materiality

Engineering Unit

Engineering Unit

Note: Students considering studying overseas in Year 3 Semester 1 must apply by 1 June.

Year 2, Semester 2

DYB102 Impact Lab 2: People

DYB114 Spatial Histories

Engineering Unit

Engineering Unit

Year 3, Semester 1

Architectural Design 1: **DAB101 Explorations**

DAB200 Modern Architecture

Engineering Unit

Engineering Unit

Year 3, Semester 2

Architectural Design 2: **DAB102** Spaces DYB201 Impact Lab 3: Planet

Engineering Unit

Engineering Unit

Year 4, Semester 1

Architectural Design 3: **DAB201** Dwelling

Environmental Principles of **DAB211** Architectural Design

Engineering Unit



Engineer	Engineering Unit		
Year 4, Semester 2			
DAB202	Architectural Design 4: Metro		
DAB212	Small Scale Building Construction		
Engineer	ing Unit		
Engineer	ing Unit		
Year 5, S	emester 1		
DAB301	Architectural Design 5: Commercial		
DAB311	Systems and Structures		
Engineer	ing Unit		
Engineer	ing Unit		
Year 5, S	emester 2		
DAB302	Architectural Design 6: Communities		
DAB303	Integrated Architectural Technology		
DAB312	Building Services		
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		
Year 6, S	emester 1		
Engineer	ing Unit		
Engineering Unit			
Engineering Unit			
Engineering Unit			
Year 6, Semester 2			
Engineering Unit			
Samasta	ore		

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
- Year 6 Semester 1
- 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
- Year 6 Semester 1

• <u>Year</u>	r 6 - Semester 2
Code	Title
Semester	1 (February) commencements
Year 1 - 9	Semester 1
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
Or	
MXB161	Computational Explorations
Year 1 - S	Semester 2
E00400	Engineering Sustainability and
EGB100	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
Foundation	on Unit Option
Year 3 - S	Semester 1
EGB261	Unit Operations
EGB323	Fluid Mechanics
Year 3 - S	Semester 2
CVB101	General Chemistry
EGB322	Thermodynamics
Year 4 - 9	Semester 1
EGB262	Process Principles
EGB361	Minerals and Minerals Processing
Year 4 - 9	Semester 2
	Process Modelling
EGH411	Industrial Chemistry
Year 5 - S	Semester 1
	Operations Management and
EGB362	Process Economics
EGH404	Research in Engineering Practice
Year 5 - S	Semester 2
EGH400 -1	Research Project 1
EGH422	Advanced Thermodynamics
EGH423	Fluids Dynamics
EGH462	Process Control
Year 6 - S	Semester 1
EGH400 -2	Research Project 2
EGH463	Plant and Process Design
Semester	² 2 (July) commencements
	Semester 2
	Engineering Sustainability and
EGB100	Professional Practice

PVB101 Physics of the Very Large

Year 2 - S	Semester 1
EGB111	Foundation of Engineering Design
MZB125	Introductory Engineering Mathematics
Or	
MXB161	Computational Explorations
Year 2 - S	Semester 2
EGB120	Foundations of Electrical Engineering
MZB126	Engineering Computation
Year 3 - S	Semester 1
EGB121	Engineering Mechanics
Foundation	on Unit Option
	Semester 2
CVB101	General Chemistry
EGB322	Thermodynamics
	Semester 1
EGB262	
EGB323	Fluid Mechanics
	Semester 2
EGB364	Process Modelling
EGH404	Research in Engineering Practice
Year 5 - 8	Semester 1
EGB261	Unit Operations
EGB361	Minerals and Minerals Processing
Year 5 - S	Semester 2
Other Fac	culty Unit
Year 6 - 5	Semester 1
EGB362	Operations Management and Process Economics
EGH463	Plant and Process Design
EGH408	Research Project
Year 6 - 5	Semester 2
EGH411	Industrial Chemistry
EGH422	Advanced Thermodynamics
EGH423	Fluids Dynamics
EGH462	Process Control

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 1Year 5 Semester 2
- Year 6 Semester 1



• 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
Year 6 - Semester 1
Year 6 - Semester 2

Code	Title
	1 (February) commencements
	Semester 1
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - 9	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
EGB123	Civil Engineering Systems
Foundation	on Unit Option
Year 3 - 8	Semester 1
EGB270	Civil Engineering Materials
EGB272	Traffic and Transport Engineering
Year 3 - 9	Semester 2
EGB273	Principles of Construction
EGB373	Geotechnical Engineering
	emester 1
EGB275	Structural Mechanics
EGB371	Engineering Hydraulics
	Semester 2
EGB376	J
EGH471	Advanced Water Engineering
Year 5 - S	Semester 1
EGB375	Design of Concrete Structures
EGH404	Research in Engineering Practice
	Semester 2
EGH400 -1	Research Project 1
EGH472	Advanced Highway and Pavement Engineering
EGH475	Advanced Concrete Structures
EGH479	Advances in Civil Engineering Practice

Practice

Year 6 - S	Semester 1
EGH473	Advanced Geotechnical
	Engineering
EGH400 -2	Research Project 2
	2 (July) commencements
Year 1 - S	Semester 2
E00400	Engineering Sustainability an
EGB100	Professional Practice
PVB101	Physics of the Very Large
Year 2 - S	Semester 1
EGB111	Foundation of Engineering Design
MZB125	Introductory Engineering Mathematics
MXB161	Computational Explorations
Year 2 - S	Semester 2
EGB123	Civil Engineering Systems
MZB126	Engineering Computation
Year 3 - S	Semester 1
EGB121	Engineering Mechanics
	on Unit Option
	Semester 2
EGB273	Principles of Construction
EGB373	Geotechnical Engineering
	Semester 1
EGB270	
EGBZIU	Civil Engineering Materials Traffic and Transport
EGB272	Engineering
Year 4 - 8	Semester 2
EGB376	3
EGH472	Advanced Highway and Pavement Engineering
Year 5 - 8	Semester 1
EGB275	Structural Mechanics
EGB375	Design of Concrete Structure
Year 5 - 9	Semester 2
(No Engir	neering Units)
Year 6 - S	Semester 1
EGB371	Engineering Hydraulics
EGH404	Research in Engineering Practice
EGH400 -1	Research Project 1
EGH473	Advanced Geotechnical Engineering
Year 6 - S	Semester 2
EGH400 -2	Research Project 2
EGH471	Advanced Water Engineering
EGH475	Advanced Concrete Structures
EGH479	Advances in Civil Engineering Practice

Semesters

- Semester 1 (February) commencements
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1Year 4 Semester 2
- Year 5 Semester 1 Year 5 - Semester 2
- Year 6 Semester 1
- Semester 2 (July) commencements
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1Year 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

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
Foundation	on Unit Option
Year 3 - 5	Semester 1
CAB201	Programming Principles
EGB242	Signal Analysis
Year 3 - 5	Semester 2
CAB202	Microprocessors and Digital Systems
Intermedi	ate Electrical Option Unit
Year 4 - 5	Semester 1
EGB240	Electronic Design
CAB301	Algorithms and Complexity
Year 4 - S	Semester 2
CAB403	Systems Programming
EGH404	Research in Engineering Practice



Bachel	or of Design (Architecture)/
Year 5 - 9	Semester 1
	Software Development
	d Computer & Software
	Option Unit
	Semester 2
EGH400 -1	Research Project 1
EGH455	Advanced Systems Design
CAB432	Cloud Computing
	d Computer & Software
	Option Unit
	Semester 1
EGH400 -2	Research Project 2
EGH456	Embedded Systems
Semester	2 (July) commencements
Year 1 - 9	Semester 2
EGB100	Engineering Sustainability and Professional Practice
PVB101	Physics of the Very Large
Year 2 - 9	Semester 1
	Foundation of Engineering
EGB111	Design
MZB125	Introductory Engineering Mathematics
MXB161	Computational Explorations
Year 2 - 9	Semester 2
EGB120	Foundations of Electrical Engineering
MZB126	Engineering Computation
Year 3 - 9	Semester 1
EGB121	Engineering Mechanics
Foundation	on Unit Option
	Semester 2
CAB201	Programming Principles
EGB242	Signal Analysis
Year 4 - S	Semester 1
CAB202	Microprocessors and Digital Systems
EGB240	,
	Semester 2
	Systems Programming
	ate Electrical Option Unit
	Semester 1
EGH404	Research in Engineering
CAB301	Practice Algorithms and Complexity
	Semester 2
	neering Units)
	Semester 1
EGH400 -1	Research Project 1
EGH456	Embedded Systems
CAB302	Software Development
Advanced	d Computer & Software

V 0 0 1 0	
Year 6 - Semester 2	
EGH400 -2 Research Project 2	
EGH455 Advanced Systems Design	
CAB432 Cloud Computing	
Advanced Computer & Software Systems 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
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1
- Year 5 Semester 2
- Year 6 Semester 1
- 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
- Year 6 Semester 1
- Year 6 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 - Semester 2

EGB100 Engineering Sustainability and Professional Practice

MZB126 Engineering Computation

Year 2 - Semester 1

EGB111 Foundation of Engineering Design

EGB121 Engineering Mechanics

Year 2 - Semester 2

CAB202 Microprocessors and Digital Systems

EGB120 Foundations of Electrical Engineering

Year 3 - Semester 1

EGB241 Electronic Design
EGB241 Electromagnetics and Machines

Year 3 - Semester 2

EGB242 Signal Analysis

Intermediate 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 - Semester 1

EGB340 Design and Practice

Foundation Unit Option

Year 4 - Semester 2

Intermediate Electrical Option Unit (2)

Intermediate Electrical Option Unit (3)

Year 5 - Semester 1

Research in Engineering Practice

Advanced Electrical Option Unit (1)

Year 5 - Semester 2

EGH400 -1 Research Project 1

Advanced Electrical Option Unit (2)

Advanced Electrical Option Unit (3)

Advanced Electrical Option Unit (4)

Year 6 - Semester 1

EGH400 -2 Research Project 2

Advanced Electrical Option Unit (5)

Semester 2 (July) commencements

Year 1 - Semester 2

EGB100 Engineering Sustainability and Professional Practice

PVB101 | Physics of the Very Large

Year 2 - Semester 1

Foundation of Engineering Design

Introductory Engineering

MZB125 Mathematics

Or

MXB161 Computational Explorations

Year 2 - Semester 2

EGB120 Foundations of Electrical Engineering

MZB126 Engineering Computation

Year 3 - Semester 1

EGB121 Engineering Mechanics

Foundation Unit Option

Year 3 - Semester 2

CAB202 Microprocessors and Digital Systems

EGB242 Signal Analysis

Year 4 - Semester 1

EGB240 Electronic Design

EGB241 Electromagnetics and Machines

Year 4 - Semester 2





Intermedi	ate Electrical Option Unit (1)
Intermedi	ate Electrical Option Unit (2)
Year 5 - 8	Semester 1
EGB340	Design and Practice
Intermedi	ate Electrical Option Unit (3)
Year 5 - 8	Semester 2
(No Engir	neering Units)
Year 6 - 8	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 6 - 8	Semester 2
EGH400 -2	Research Project 2
Advanced	d Electrical Option Unit (3)
Advanced	d Electrical Option Unit (4)
Advanced	d Electrical Option Unit (5)

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
- Year 6 Semester 1
- 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
- Year 6 Semester 1
- Year 6 Semester 2

Code	riue
Semester	1 (February) commencements
Year 1 - 9	Semester 1
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
MXB161	Computational Explorations
Year 1 - 9	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - 9	Semester 1
EGB111	Foundation of Engineering

	Design
EGB121	Engineering Mechanics
Year 2 - 9	Semester 2
EGB120	Foundations of Electrical
	Engineering
	on Unit Option
Year 3 - 8	Semester 1
CAB202	Microprocessors and Digital Systems
EGB240	Electronic Design
	Semester 2
	Signal Analysis
	ate Electrical Option Unit
Year 4 - 9	Semester 1
EGB243	Aircraft Systems and Flight
EGB349	Systems Engineering and Design Project
Year 4 - S	Semester 2
	Control and Dynamic Systems
EGB346	Unmanned Aircraft Systems
	Semester 1
	Research in Engineering
EGH404	Practice
EGH446	Autonomous Systems
Year 5 - 8	Semester 2
EGH400 -1	Research Project 1
ECLIANE	
EGH445	Modern Control
EGH4450	Advanced Unmanned Aircraft Systems
EGH450	Advanced Unmanned Aircraft Systems
EGH450 Advanced	Advanced Unmanned Aircraft
EGH450 Advanced	Advanced Unmanned Aircraft Systems d Electrical Option Unit Semester 1
EGH450 Advanced Year 6 - S EGH400 -2	Advanced Unmanned Aircraft Systems Electrical Option Unit Gemester 1 Research Project 2
EGH450 Advanced Year 6 - S EGH400 -2 Advanced	Advanced Unmanned Aircraft Systems d Electrical Option Unit Gemester 1 Research Project 2 d Electrical Option Unit
EGH450 Advancec Year 6 - S EGH400 -2 Advancec Semester	Advanced Unmanned Aircraft Systems d Electrical Option Unit Semester 1 Research Project 2 d Electrical Option Unit 2 (July) commencements
EGH450 Advancec Year 6 - S EGH400 -2 Advancec Semester	Advanced Unmanned Aircraft Systems d Electrical Option Unit Gemester 1 Research Project 2 d Electrical Option Unit
EGH450 Advancec Year 6 - S EGH400 -2 Advancec Semester	Advanced Unmanned Aircraft Systems d Electrical Option Unit Semester 1 Research Project 2 d Electrical Option Unit 2 (July) commencements
EGH450 Advanced Year 6 - S EGH400 -2 Advanced Semester Year 1 - S	Advanced Unmanned Aircraft Systems I Electrical Option Unit Gemester 1 Research Project 2 I Electrical Option Unit 2 (July) commencements Gemester 2 Engineering Sustainability and
EGH450 Advanced Year 6 - S EGH400 -2 Advanced Semester Year 1 - S EGB100 PVB101	Advanced Unmanned Aircraft Systems d Electrical Option Unit Semester 1 Research Project 2 d Electrical Option Unit 2 (July) commencements Semester 2 Engineering Sustainability and Professional Practice
EGH450 Advanced Year 6 - S EGH400 -2 Advanced Semester Year 1 - S EGB100 PVB101	Advanced Unmanned Aircraft Systems d Electrical Option Unit Gemester 1 Research Project 2 d Electrical Option Unit 2 (July) commencements Gemester 2 Engineering Sustainability and Professional Practice Physics of the Very Large Gemester 1 Foundation of Engineering
EGH450 Advanced Year 6 - S EGH400 -2 Advanced Semester Year 1 - S EGB100 PVB101 Year 2 - S	Advanced Unmanned Aircraft Systems I Electrical Option Unit Gemester 1 Research Project 2 I Electrical Option Unit I (2 (July) commencements Gemester 2 Engineering Sustainability and Professional Practice Physics of the Very Large Gemester 1 Foundation of Engineering Design Introductory Engineering
EGH450 Advanced Year 6 - S EGH400 -2 Advanced Semester Year 1 - S EGB100 PVB101 Year 2 - S EGB111 MZB125	Advanced Unmanned Aircraft Systems d Electrical Option Unit Gemester 1 Research Project 2 d Electrical Option Unit 2 (July) commencements Gemester 2 Engineering Sustainability and Professional Practice Physics of the Very Large Gemester 1 Foundation of Engineering Design Introductory Engineering Mathematics
EGH450 Advanced Year 6 - S EGH400 -2 Advanced Semester Year 1 - S EGB100 PVB101 Year 2 - S EGB111 MZB125 MXB161	Advanced Unmanned Aircraft Systems I Electrical Option Unit Gemester 1 Research Project 2 I Electrical Option Unit I (2 (July) commencements Gemester 2 Engineering Sustainability and Professional Practice Physics of the Very Large Gemester 1 Foundation of Engineering Design Introductory Engineering Mathematics Computational Explorations
EGH450 Advanced Year 6 - S EGH400 -2 Advanced Semester Year 1 - S EGB100 PVB101 Year 2 - S EGB111 MZB125 MXB161	Advanced Unmanned Aircraft Systems d Electrical Option Unit Gemester 1 Research Project 2 d Electrical Option Unit 2 (July) commencements Gemester 2 Engineering Sustainability and Professional Practice Physics of the Very Large Gemester 1 Foundation of Engineering Design Introductory Engineering Mathematics Computational Explorations Gemester 2
EGH450 Advanced Year 6 - S EGH400 -2 Advanced Semester Year 1 - S EGB100 PVB101 Year 2 - S EGB111 MZB125 MXB161 Year 2 - S EGB120	Advanced Unmanned Aircraft Systems I Electrical Option Unit Gemester 1 Research Project 2 I Electrical Option Unit I (2 (July) commencements Gemester 2 Engineering Sustainability and Professional Practice Physics of the Very Large Gemester 1 Foundation of Engineering Design Introductory Engineering Mathematics Computational Explorations
EGH450 Advanced Year 6 - S EGH400 -2 Advanced Semester Year 1 - S EGB100 PVB101 Year 2 - S EGB111 MZB125 MXB161 Year 2 - S EGB120 MZB126	Advanced Unmanned Aircraft Systems I Electrical Option Unit Gemester 1 Research Project 2 I Electrical Option Unit I (2) (July) commencements Gemester 2 Engineering Sustainability and Professional Practice Physics of the Very Large Gemester 1 Foundation of Engineering Design Introductory Engineering Mathematics Computational Explorations Gemester 2 Foundations of Electrical Engineering Engineering Computation
EGH450 Advanced Year 6 - S EGH400 -2 Advanced Semester Year 1 - S EGB100 PVB101 Year 2 - S EGB111 MZB125 MXB161 Year 2 - S EGB120 MZB126	Advanced Unmanned Aircraft Systems B Electrical Option Unit Bemester 1 Research Project 2 B Electrical Option Unit C (July) commencements Bemester 2 Engineering Sustainability and Professional Practice Physics of the Very Large Bemester 1 Foundation of Engineering Design Introductory Engineering Mathematics Computational Explorations Bemester 2 Foundations of Electrical Engineering
EGH450 Advanced Year 6 - S EGH400 -2 Advanced Semester Year 1 - S EGB100 PVB101 Year 2 - S EGB111 MZB125 MXB161 Year 2 - S EGB120 MZB126	Advanced Unmanned Aircraft Systems I Electrical Option Unit Gemester 1 Research Project 2 I Electrical Option Unit I (2) (July) commencements Gemester 2 Engineering Sustainability and Professional Practice Physics of the Very Large Gemester 1 Foundation of Engineering Design Introductory Engineering Mathematics Computational Explorations Gemester 2 Foundations of Electrical Engineering Engineering Computation

	Systems
EGB242	Signal Analysis
Year 4 - S	Semester 1
EGB240	Electronic Design
EGB243	Aircraft Systems and Flight
Year 4 - 9	Semester 2
EGB346	Unmanned Aircraft Systems
Intermedi	ate Electrical Option Unit
Year 5 - 9	Semester 1
EGB349	Systems Engineering and Design Project
EGB345	Control and Dynamic Systems
Year 5 - 8	Semester 2
(No Engir	neering Units)
Voor 6	Companies of A
real 0 - 3	Semester 1
EGH400 -1	Research Project 1
EGH400	
EGH400 -1 EGH404	Research Project 1 Research in Engineering
EGH400 -1 EGH404 EGH446	Research Project 1 Research in Engineering Practice
EGH400 -1 EGH404 EGH446 Advanced	Research Project 1 Research in Engineering Practice Autonomous Systems
EGH400 -1 EGH404 EGH446 Advanced	Research Project 1 Research in Engineering Practice Autonomous Systems d Electrical Option Unit
EGH400 -1 EGH404 EGH446 Advanced Year 6 - S EGH400	Research Project 1 Research in Engineering Practice Autonomous Systems d Electrical Option Unit Semester 2
EGH400 -1 EGH404 EGH446 Advanced Year 6 - S EGH400 -2	Research Project 1 Research in Engineering Practice Autonomous Systems d Electrical Option Unit Gemester 2 Research Project 2
EGH400 -1 EGH404 EGH446 Advanced Year 6 - S EGH400 -2 EGH445	Research Project 1 Research in Engineering Practice Autonomous Systems d Electrical Option Unit Semester 2 Research Project 2 Modern Control Advanced Unmanned Aircraft

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
- Year 6 Semester 1
- 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
- Year 6 Semester 1
- Year 6 Semester 2

	Code	Title
	Semester 1 (February) commencements	
Year 1 - Semester 1		Semester 1
	EGB113	Energy in Engineering Systems
	MZB125	Introductory Engineering



Foundation Unit Option Year 3 - Semester 2

CAB202

Microprocessors and Digital

Bacnei	or of Design (Architecture).
	Mathematics
OR	
MXB161	Computational Explorations
Year 1 - 8	Semester 2
E0D400	Engineering Sustainability and
EGB100	Professional Practice
MZB126	Engineering Computation
Year 2 - 9	Semester 1
EGB111	Foundation of Engineering
	Design
EGB121	Engineering Mechanics
Year 2 - 8	Semester 2
EGB120	Foundations of Electrical Engineering
Foundation	on Unit Option
Year 3 - 8	Semester 1
EGB214	Materials and Manufacturing
EGB314	Strength of Materials
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	
EGH404	Research in Engineering Practice
Year 5 - 9	Semester 1
EGB316	
EGH414	
	Semester 2
EGH400	
-1	Research Project 1
EGH420	Mechanical Systems Design
EGH422	Advanced Thermodynamics
EGH423	Fluids Dynamics
Year 6 - S	Semester 1
EGH400 -2	Research Project 2
EGH421	Vibration and Control
	r 2 (July) commencements
	Semester 2
EGB100	Engineering Sustainability and Professional Practice
PVB101	Physics of the Very Large
Year 2 - S	Semester 1
EGB111	Foundation of Engineering Design
MZB125	Introductory Engineering Mathematics
MXB161	Computational Explorations
Year 2 - S	Semester 2
EGB120	Foundations of Electrical

	5 5 ()
	Engineering
MZB126	Engineering Computation
Year 3 - 9	Semester 1
EGB121	Engineering Mechanics
Foundation	on Unit Option
Year 3 - 8	Semester 2
EGB211	Dynamics
EGB314	Strength of Materials
Year 4 - 9	Semester 1
EGB214	Materials and Manufacturing
EGB323	Fluid Mechanics
Year 4 - 9	Semester 2
EGB210	Fundamentals of Mechanical Design
EGB322	Thermodynamics
Year 5 - 8	Semester 1
EGB321	Dynamics of Machines
EGH404	Research in Engineering Practice
Year 5 - 9	Semester 2
(No Engir	neering Units)
Year 6 - 9	Semester 1
EGB316	Design of Machine Elements
EGH400 -1	Research Project 1
EGH414	Stress Analysis
EGH421	Vibration and Control
Year 6 - S	Semester 2
EGH400 -2	Research Project 2
_	M 1 : 10 1 D :
EGH420	Mechanical Systems Design
	Advanced Thermodynamics

- 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
- Year 6 Semester 1
- Semester 2 (July) commencements
- Year 1 Semester 2Year 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

Code	Title		
	1 (February) commencements		
	Semester 1		
EGB113	Energy in Engineering Systems		
MZB125	Introductory Engineering Mathematics		
OR			
MXB161	Computational Explorations		
Year 1 - 9	Semester 2		
EGB100	Engineering Sustainability and Professional Practice		
MZB126	Engineering Computation		
Year 2 - 3	Semester 1		
EGB111	Foundation of Engineering Design		
EGB121	Engineering Mechanics		
Year 2 - 8	Semester 2		
EGB120	Foundations of Electrical Engineering		
Foundation	on Unit Option		
Year 3 - 9	Semester 1		
EGB211	Dynamics		
EGB242	Signal Analysis		
Year 3 - 8	Semester 2		
CAB202	Microprocessors and Digital Systems		
EGB345	Control and Dynamic Systems		
Year 4 - 9	Semester 1		
EGB220	Mechatronics Design 1		
EGB321	Dynamics of Machines		
Year 4 - 9	Semester 2		
EGB320	Mechatronics Design 2		
Intermedi	ate Electrical Option Unit		
Year 5 - 9	Semester 1		
EGH404	Research in Engineering Practice		
EGH446	Autonomous Systems		
	Year 5 - Semester 2		
EGH400 -1	Research Project 1		
EGH413	Advanced Dynamics		
EGH445	Modern Control		
Advance	d Electrical Option Unit		
Year 6 - 9	Semester 1		
EGH400 -2	Research Project 2		
EGH419	Mechatronics Design 3		



Year 1 - Semester 2

Year 2 - Semester 1

EGB100

Semester 2 (July) commencements

PVB101 | Physics of the Very Large

EGB111 Foundation of Engineering

Professional Practice

Engineering Sustainability and

Bachel	or of Design (Architecture)/
	Design
MZB125	Introductory Engineering Mathematics
Or	
MXB161	Computational Explorations
Year 2 - S	Semester 2
EGB120	Foundations of Electrical
MZB126	Engineering Engineering Computation
	Semester 1
EGB121	Engineering Mechanics
	on Unit Option
	·
rear 3 - 8	Semester 2
CAB202	Microprocessors and Digital Systems
EGB242	Signal Analysis
Year 4 - 9	Semester 1
EGB211	Dynamics
EGB220	Mechatronics Design 1
Year 4 - S	Semester 2
EGB320	Mechatronics Design 2
EGB345	Control and Dynamic Systems
Year 5 - 9	Semester 1
EGB321	Dynamics of Machines
Intermedi	ate Electrical Option Unit
Year 5 - 8	Semester 2
(No Engir	neering Units)
Year 6 - 9	Semester 1
EGH400 -1	Research Project 1
EGH404	Research in Engineering Practice
EGH419	Mechatronics Design 3
EGH446	Autonomous Systems
Year 6 - S	Semester 2
EGH400 -2	Research Project 2
EGH445	Modern Control
EGH413	Advanced Dynamics
	d 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
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1
- Year 5 Semester 2Year 6 Semester 1
- 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

	r 4 - Semester 2
• Year	r <u>5 - Semester 1</u> r <u>5 - Semester 2</u>
• Year	r 6 - Semester 1
• <u>Yea</u>	r 6 - 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 - 8	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - 9	Semester 2
EGB120	Foundations of Electrical Engineering
Foundation	on Unit Option
Year 3 - 8	Semester 1
LSB131	Anatomy
EGB314	Strength of Materials
Year 3 - 8	Semester 2
LSB231	Physiology
EGB210	Fundamentals of Mechanical
V 4 6	Design
	Semester 1
EGB214	Materials and Manufacturing
EGB323	Fluid Mechanics
	Semester 2
EGB211	Dynamics Research in Engineering
EGH404	Research in Engineering Practice
	Semester 1
EGB319	BioDesign
EGH414	Stress Analysis
EGH400	Semester 2
-1	Research Project 1
EGH424	Biofluids
EGH435	Modelling and Simulation for Medical Engineers
EGH418	Biomechanics
Year 6 - S	Semester 1
EGH400 -2	Research Project 2

Semester	⁻ 2 (July) commencements	
	Semester 2	
EGB100	Engineering Sustainability and Professional Practice	
PVB101	Physics of the Very Large	
Year 2 - 8	Semester 1	
EGB111	Foundation of Engineering Design	
MZB125	Introductory Engineering Mathematics	
MXB161	Computational Explorations	
Year 2 - 8	Semester 2	
EGB120	Foundations of Electrical Engineering	
MZB126	Engineering Computation	
Year 3 - 8	Semester 1	
EGB121	Engineering Mechanics	
Foundation	on Unit Option	
Year 3 - 8	Semester 2	
EGB211	Dynamics	
LSB231	Physiology	
Year 4 - 9	Semester 1	
EGB323	Fluid Mechanics	
LSB131	Anatomy	
Year 4 - Semester 2		
EGB210	Fundamentals of Mechanical Design	
EGB314	Strength of Materials	
Year 5 - 8	Semester 1	
EGB319	BioDesign	
EGH414	Stress Analysis	
Year 5 - 8	Semester 2	
,	neering Units)	
Year 6 - 8	Semester 1	
EGH400 -1	Research Project 1	
EGB214	Materials and Manufacturing	
EGH404	Research in Engineering Practice	
EGH438	Biomaterials	
Year 6 - S	Semester 2	
EGH400 -2	Research Project 2	
EGH418	Biomechanics	
EGH424	Biofluids	
EGH435	Modelling and Simulation for Medical Engineers	



EGH438 Biomaterials



Bachelor of Information Technology (Honours)

Year	2020
QUT code	IN10
CRICOS	017323G
Duration (full-time)	1 year
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$9,600 per year full-time (96 credit points)
International fee (indicative)	2020: \$42,000 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 Renuka Sindhgatta Rajan; ph: +61 7 3138 8822; email: sef.enquiry@qut.edu.au
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirementsAcademic entry requirements

A completed 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.

International Entry requirements

Academic entry requirements

A completed 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.

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.

Domestic Course structure

You'll need to choose between either the expanded research or extended coursework options.

International Course structure

You'll need to choose between either the expanded research or extended coursework options.

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)



Bachelor of Information Technology (Honours)

24 credit points Coursework units (2 units)

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		
	r prior to enrolment.		
INN701	Advanced Research Topics		
IFN403- 1	IT Honours Research Project- 1		
Coursewo	Coursework Option from List (12cp)		
Year 1, S	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	rsework 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	Al 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 Theo (disc 31/12/2019) IFN661 Mobile and Pervasive System (disc 31/12/2019)	





Year	2020
QUT code	IX59
CRICOS	084925D
Duration (full-time)	5 years
OP	10
Rank	79
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$10,400 per year full-time (96 credit points)
International fee (indicative)	2020: \$36,600 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	Director of Studies, QUT Business School; email: askqut@qut.edu.au; ph: +61 7 3138 2000; or, SEF Enquiries - email: sef.enquiry@qut.edu.au; ph: +61 7 3138 8822
Discipline Coordinator	+61 7 3138 2050; +61 7 3138 8822 bus@qut.edu.au;

sef.enquiry@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)

We assume that you have knowledge equivalent to four semesters at high school level (Years 11 and 12) with sound achievement (4, SA), Recommended Study: Chemistry, Maths C, Physics

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies. Recommended Study: Chemistry, Maths C, 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

Domestic Course structure

To graduate with a Bachelor of Engineering (Honours) in IX59, 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 complete the Bachelor of Business students will complete 192 credit points of course units, as outlined below:

- · 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 accountancy major units to allow them to complete professional requirements.

International Course structure

To graduate with a Bachelor of Engineering (Honours) in IX59, 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 complete the Bachelor of Business students will complete 192 credit points of course units, as outlined below:

- 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 accountancy major units to allow them to complete professional requirements.

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
- Year 5 Semester 1 Year 5 - Semester 2

Code	Title	
Semester 1 (February) commencements		
Year 1 - Semester 1		
EGB113	Energy in Engineering Systems	
M7R125	Introductory Engineering	



	or or Dubinioso, Dubinion or
	Mathematics
OR	
MXB161	Computational Explorations
Year 1 - 9	Semester 2
E00400	Engineering Sustainability and
EGB100	Professional Practice
MZB126	Engineering Computation
Year 2 - 9	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - 9	Semester 2
EGB120	Foundations of Electrical Engineering
Foundation	on Unit Option
Year 3 - 8	Semester 1
EGB261	Unit Operations
EGB323	Fluid Mechanics
Year 3 - 8	Semester 2
CVB101	General Chemistry
EGB322	Thermodynamics
Year 4 - 9	Semester 1
EGB262	Process Principles
EGB361	Minerals and Minerals Processing
Year 4 - S	Semester 2
EGB364	Process Modelling
EGH411	Industrial Chemistry
Year 5 - 8	Semester 1
EGB362	Operations Management and Process Economics
EGH400 -1	Research Project 1
EGH404	Research in Engineering Practice
EGH463	Plant and Process Design
Year 5 - S	Semester 2
EGH400 -2	Research Project 2
EGH422	Advanced Thermodynamics
EGH423	Fluids Dynamics
EGH462	Process Control
Samoeta	NO.

Semesters

Code Title

- Semester 1 (February) commencements
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1Year 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

Oodo	
Semester	1 (February) commencements

g (Honours)
Semester 1
Energy in Engineering Systems
Introductory Engineering Mathematics
Computational Explorations
Semester 2
Engineering Sustainability and Professional Practice
Engineering Computation
Semester 1
Foundation of Engineering Design
Engineering Mechanics
Semester 2
Civil Engineering Systems
n Unit Option
Semester 1
Civil Engineering Materials
Traffic and Transport Engineering
Semester 2
Principles of Construction
Geotechnical Engineering
emester 1
Structural Mechanics
Engineering Hydraulics
Semester 2
Steel Design
Advanced Water Engineering
Semester 1
Design of Concrete Structures
Research Project 1
Research in Engineering Practice
Advanced Geotechnical Engineering
Semester 2
Research Project 2
Advanced Highway and Pavement Engineering
Advanced Concrete
Structures Advances in Civil Engineering

Semesters

- Semester 1 (February) commencements
- Year 1 Semester 1Year 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

	<u> rour</u>		COITICOLOI	<u> </u>
•	Year	5 -	Semester	2

• 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	
Foundation	on Unit Option	
Year 3 - S	Semester 1	
CAB201	Programming Principles	
EGB242	Signal Analysis	
Year 3 - S	Semester 2	
CAB202	Microprocessors and Digital Systems	
Intermedi	ate Electrical Option Unit	
Year 4 - S	Semester 1	
EGB240	Electronic Design	
CAB301	Algorithms and Complexity	
Year 4 - S	Semester 2	
CAB403	Systems Programming	
EGH404	Research in Engineering Practice	
Year 5 - S	Semester 1	
EGH400 -1	Research Project 1	
CAB302	Software Development	
EGH456	Embedded Systems	
	l Computer & Software Option Unit	
Year 5 - S	Semester 2	
EGH400 -2	Research Project 2	
EGH455	Advanced Systems Design	
	l Computer & Software Option Unit	
CAB432	Cloud Computing	
	-	

Semesters

• Semester 1 (February) commencements



•	<u>Year</u>	<u>1 -</u>	<u>Seme</u>	<u>ster</u>	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	
Semeste	r 1 (February) commencements	
Year 1 - Semester 1		
EGB113	Energy in Engineering Systems	
MZB125	Introductory Engineering Mathematics	
OR		
MXB161	Computational Explorations	
Year 1 - 9	Semester 2	
EGB100	Engineering Sustainability and Professional Practice	
MZB126	Engineering Computation	
Year 2 - 9	Semester 1	
EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	
Year 2 - 9	Semester 2	
CAB202	Microprocessors and Digital Systems	
EGB120	Foundations of Electrical Engineering	
Year 3 - 9	Semester 1	
EGB240	Electronic Design	
EGB241	Electromagnetics and Machines	
Year 3 - 9	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 - 9	Semester 1	
EGB340	Design and Practice	
Foundation	on Unit Option	
Year 4 - S	Semester 2	
Intermed	ate Electrical Option Unit (2)	
Intermedi	iate Electrical Option Unit (3)	
Year 5 - 9	Semester 1	
EGH400 -1	Research Project 1	
EGH404	Research in Engineering Practice	

Advanced Electrical Option Unit (1)

Advanced Electrical Option Unit (2)

Year 5 - Semester 2

-2	Research Project 2	
Advanced	d Electrical Option Unit (3)	
Advanced	d Electrical Option Unit (4)	

Advanced Electrical Option Unit (5)

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

• <u>rear 5 - Semester 2</u>			
Code	Title		
Semester	1 (February) commencements		
Year 1 - 9	Semester 1		
EGB113	Energy in Engineering Systems		
MZB125	Introductory Engineering Mathematics		
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 - 9	Year 2 - Semester 2		
EGB120	Foundations of Electrical Engineering		
Foundation	on Unit Option		
Year 3 - Semester 1			
CAB202	Microprocessors and Digital Systems		
EGB240	Electronic Design		
Year 3 - 5	Semester 2		
EGB242	Signal Analysis		

Intermediate Electrical Option Unit

EGB243 | Aircraft Systems and Flight

Design Project

EGB345 | Control and Dynamic Systems

EGB346 Unmanned Aircraft Systems

Research Project 1

Practice

Research in Engineering

Systems Engineering and

Year 4 - Semester 1

Year 4 - Semester 2

Year 5 - Semester 1

EGB349

EGH400

EGH404

-1

EGH446	Autonomous Systems				
Advanced Electrical Option Unit					
Year 5 - Semester 2					
EGH400 -2	Research Project 2				
EGH445	Modern Control				
EGH450	Advanced Unmanned Aircraft Systems				
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
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1

• <u>Yea</u>	ar 5 - Semester 2	
Code	Title	

	Semester	· 1 (February) commencement			
Year 1 - Semester 1					
	EGB113	Energy in Engineering Systems			

Introductory Engineering MZB125 Mathematics

OR

MXB161 Computational Explorations

Year 1 - Semester 2

Engineering Sustainability and EGB100 Professional Practice

MZB126 Engineering Computation

Year 2 - Semester 1

Foundation of Engineering **EGB111** Design

EGB121 Engineering Mechanics

Year 2 - Semester 2

Foundations of Electrical EGB120 Engineering

Foundation Unit Option

Year 3 - Semester 1

EGB214 Materials and Manufacturing

EGB314 | Strength of Materials

Year 3 - Semester 2

Fundamentals of Mechanical EGB210 Design EGB211 Dynamics

Year 4 - Semester 1

EGB321 Dynamics of Machines EGB323 Fluid Mechanics

Year 4 - Semester 2

EGB322 Thermodynamics Research in Engineering EGH404

Practice

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Year 5 - 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	Advanced Thermodynamics				
EGH423	Fluids Dynamics				

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

Code	Title					
	1 (February) commencements					
Year 1 - Semester 1						
EGB113	Energy in Engineering Systems					
MZB125	Introductory Engineering Mathematics					
OR						
MXB161	Computational Explorations					
Year 1 - 9	Semester 2					
EGB100	Engineering Sustainability and Professional Practice					
MZB126	Engineering Computation					
Year 2 - 9	Semester 1					
EGB111	Foundation of Engineering Design					
EGB121	Engineering Mechanics					
Year 2 - 9	Semester 2					
EGB120	Foundations of Electrical Engineering					
Foundation	on Unit Option					
Year 3 - 8	Semester 1					
EGB211	Dynamics					
EGB242	Signal Analysis					
Year 3 - 8	Semester 2					
CAB202	Microprocessors and Digital Systems					
EGB345	Control and Dynamic Systems					
Year 4 - 9	Semester 1					
EGB220	Mechatronics Design 1					
EGB321	Dynamics of Machines					
Year 4 - 8	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					
EGH446	Autonomous Systems					
Year 5 - 8	Semester 2					
EGH400 -2	Research Project 2					
EGH413	Advanced Dynamics					
EGH445	Modern Control					
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
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2 Year 5 Semester 1
- Year 5 Semester 2

Code	riue					
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					
Foundation	on Unit Option					
Year 3 - S	Semester 1					
EGB314	Strength of Materials					
LSB131	Anatomy					
Year 3 - S	Semester 2					
EGB211	Dynamics					
LSB231	Physiology					
Year 4 - S	Semester 1					
EGB214	Materials and Manufacturing					

EGB323	Fluid Mechanics					
Year 4 - 9	Semester 2					
EGB210	Fundamentals of Mechanical Design					
EGH404	Research in Engineering Practice					
Year 5 - 8	Semester 1					
EGB319	BioDesign					
EGH400 -1	Research Project 1					
EGH414	Stress Analysis					
EGH438	Biomaterials					
Year 5 - 8	Semester 2					
EGH400 -2	Research Project 2					
EGH424	Biofluids					
EGH435	Modelling and Simulation for Medical Engineers					
EGH418	Biomechanics					

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 4 Semester 2						
Code	Title					
Year 1 Semester 1						
BSB110	Accounting					
BSB115	Management					
Year 1 Se	emester 2					
BSB111	Business Law and Ethics					
BSB123	Data Analysis					
Year 2 Se	emester 1					
AYB200	Financial Accounting					
AYB225	Management Accounting					
Year 2 Se	emester 2					
AYB221	Accounting Systems and Analytics					
BSB113	Economics					
Year 3 Se	emester 1					
EFB210	Finance 1					
BSB399	Real World Ready - Business Capstone					
Year 3 Se	emester 2					
AYB321	Strategic Management Accounting					
AYB340	Company Accounting					
Year 4 Se	emester 1					
AYB219	Taxation Law					
AYB230	Corporations Law					
Year 4 Se	emester 2					
AYB301	Audit and Assurance					

AYB311 Financial Accounting Issues



- 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
- 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) commencement					
Year 1 Semester 1					
BSB113	Economics				
BSB126 Marketing					
Year 1 Semester 2					

BSB110 Accounting

BSB123 Data Analysis

Year 2 Semester 1

Advertising Theory and AMB220 Practice

BSB115 Management

Year 2 Semester 2

AMB200 Consumer Behaviour

Marketing and Audience AMB201 Analytics

Year 3 Semester 1

BSB111 Business Law and Ethics BSB119 Global Business

Year 3 Semester 2

AMB318 | Advertising Copywriting

AMB319 Media Planning

Year 4 Semester 1

AMB320 Advertising Management

AMB330 Digital Portfolio

Year 4 Semester 2

AMB339 Advertising Campaigns

Real World Ready - Business BSB399 Capstone

Semester 2 (July) commencement

Year 1, Semester 2

BSB126 Marketing

BSB113 Economics

Year 2, Semester 1

BSB110 Accounting

BSB123 Data Analysis

Year 2, Semester 2

BSB119 Global Business

Advertising Theory and AMB220 Practice

Year 3, Semester 1

Marketing and Audience AMB201 Analytics

AMB200 Consumer Behaviour

Year 3, Semester 2

AMB318 Advertising Copywriting

AMB319 Media Planning

Year 4, Semester 1

AMB320 Advertising Management

AMB330 Digital Portfolio

Year 4, Semester 2

AMB339 Advertising Campaigns BSB111 Business Law and Ethics

Year 5, Semester 1

BSB115 Management

Real World Ready - Business BSB399 Capstone

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 Semester 2 (February)
- 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
- **Applied Economics Unit Options**
- **Quantitative Economics Unit Options**

Code Title

Semester 1 (February) commencement Year 1 Semester 1

BSB113 Economics

BSB123 Data Analysis

Year 1 Semester 2

BSB110 Accounting

EFB223 Economics 2

Year 2 Semester 1

EFB330 Intermediate Macroeconomics **EFB331** Intermediate Microeconomics

Year 2 Semester 2

BSB111 Business Law and Ethics

Choose an elective from the Applied **Economics or Quantitative Economics** Unit Option lists

Year 3 Semester 1

BSB115 Management

Choose an elective from the Applied **Economics or Quantitative Economics Unit Option lists**

Year 3 Semester 2

BSB119 Global Business

Choose an elective from the Applied **Economics or Quantitative Economics Unit Option lists**

Year 4 Semester 1

Real World Ready - Business BSB399 Capstone

Choose an elective from the Applied **Economics or Quantitative Economics** Unit Option lists

Year 4 Semester 2

Contemporary Application of **EFB338 Economic Theory**

BSB126 Marketing

Semester 2 (February) commencement

Year 1, Semester 2

BSB113 Economics

BSB123 Data Analysis

Year 2, Semester 1

BSB110 Accounting

EFB223 Economics 2

Year 2, Semester 2

EFB330 Intermediate Macroeconomics

Intermediate Microeconomics

Year 3, Semester 1

EFB331

BSB111 Business Law and Ethics

Economics Option Unit

Year 3, Semester 2

BSB115 Management

Economics Option Unit

Year 4, Semester 1

BSB119 Global Business

Economics Option Unit

Year 4, Semester 2

Contemporary Application of EFB338 **Economic Theory**

Economics Option Unit

Year 5, Semester 1

BSB126 Marketing

Real World Ready - Business **BSB399** Capstone

Applied Economics Unit Options

EFB201 Financial Markets

EFB225 Economics for the Real World **Environmental Economics and EFB226**

Policy **EFB336** International Economics

Quantitative Economics Unit Options

Introduction to Applied EFB222

	Econometrics
EFB332	Applied Behavioural Economics
EFB333	Applied Econometrics
EFB337	Game Theory and Applications

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
- 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

Semester	1 (February) commencement

Year 1 Semester 1

Code Title

BSB113 Economics

BSB115 Management

Year 1 Semester 2

EFB223 Economics 2

BSB126 Marketing

Year 2 Semester 1

BSB110 Accounting

BSB123 Data Analysis

Year 2 Semester 2

EFB201 Financial Markets

EFB210 Finance 1

Year 3 Semester 1

BSB111 Business Law and Ethics

EFB335 Investments

Year 3 Semester 2

EFB343 Corporate Finance

Risk Management and **EFB344** Derivatives

Year 4 Semester 1

BSB399	Real World Ready - Business
DODUSS	Capstone

EFB312 International Finance

Year 4 Semester 2

BSB119 Global Business

EFB360 Finance Capstone

Semester 2 (July) commencement

Year 1, Semester 2

BSB113 Economics

BSB123 Data Analysis

Year 2, Semester 1

EFB223 Economics 2

BSB126 Marketing

Year 2, Semester 2

BSB110 Accounting **BSB115** Management

Year 3, Semester 1

EFB201 | Financial Markets

EFB210 Finance 1

Year 3, Semester 2

BSB111 Business Law and Ethics

EFB335 Investments

Year 4, Semester 1

EFB343 Corporate Finance Risk Management and

FFB344 Derivatives

Year 4, Semester 2

Real World Ready - Business BSB399 Capstone

EFB312 International Finance

Year 5, Semester 1

BSB119 Global Business

EFB360 Finance Capstone

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
- Semester 2 (July) 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

Semester 1 (February) commencement

Year 1 Semester 1

BSB111 Business Law and Ethics

BSB113 Economics

Year 1 Semester 2

BSB110 Accounting EFB210 Finance 1

Year 2 Semester 1

BSB123 Data Analysis

AYB219 Taxation Law

Year 2 Semester 2

BSB126 Marketing BSB119 Global Business

Year 3 Semester 2

Year 3 Semester 1

BSB115 Management

Financial Services Regulation AYB232

AYB250 Personal Financial Planning

Superannuation and AYB240 Retirement Planning

Year 4 Semester 1

Insurance, Risk Management **EFB227** and Estate Planning

Managing Investments and **EFB345** Client Relationships

Year 4 Semester 2

Real World Ready - Business **BSB399** Capstone

Financial Plan Construction AYB346 (Capstone)

Semester 2 (July) commencement

Year 1 Semester 1

BSB111 Business Law and Ethics

BSB113 Economics

Year 1 Semester 2

BSB110 Accounting

EFB210 Finance 1

Year 2 Semester 1

MGB22 Entrepreneurship

AYB219 Taxation Law

Year 2 Semester 2

BSB126 Marketing

AYB250 Personal Financial Planning

Year 3 Semester 1

Superannuation and AYB240 Retirement Planning

BSB115 Management

Year 3 Semester 2

Insurance, Risk Management **EFB227** and Estate Planning

BSB119 Global Business

Year 4 Semester 1

Financial Services Regulation AYB232 and Law

Financial Plan Construction AYB346 (Capstone)

Year 4 Semester 2 Managing Investments and **EFB345**

Client Relationships Real World Ready - Business **BSB399** 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

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- Year 4 Semester 1
- Year 4 Semester 2

• <u>rea</u>	1 4 Semester 2
Code	Title
Year 1 Se	emester 1
BSB113	Economics
BSB115	Management
Year 1 Se	emester 2
BSB111	Business Law and Ethics
BSB119	Global Business
Year 2 Se	emester 1
MGB20 0	Managing People
BSB123	Data Analysis
Year 2 Se	emester 2
MGB21 4	Introducing People Management and Analytics
BSB110	Accounting
Year 3 Se	emester 1
MGB22 9	Obligations and Options for Employing People
MGB23 0	Recruiting and Selecting People
Year 3 Se	emester 2
MGB33	Developing People
BSB126	Marketing
Year 4 Se	emester 1
MGB33 9	Managing Performance and Rewards
MGB37	Creating Value through People
Year 4 Se	emester 2
BSB399	Real World Ready - Business Capstone
Choose of	one of the following
MGB30 6	Independent Study
MGB31 0	Managing Sustainable Change
MGB33	Workplace Learning

Semes	sters

8

- 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
BSB113	Economics
BSB115	Management
Year 1 Semester 2	
BSB111	Business Law and Ethics

Workplace Learning

BSB119 Global Business

Year 2 Semester 1

BSB123 Data Analysis MGB20 Managing People

Year 2 Semester 2

Introducing People Management and Analytics BSB110 Accounting

In 2019, unit MGB207 Human Resource Issues and Strategy is replaced by MGB214.

Year 3 Semester 1

MGB22	Human Resource Decision
0	Making
MGB33 1	Developing People

In 2019, unit MGB220 Human Resource Decision Making is discontinued. Seek enrolment assistance from QUT **Business Student Support** (bus@qut.edu.au)

Year 3 Semester 2

MGB22	Obligations and Options for
9	Employing People
BSB126	Marketing

In 2019, unit MGB201 Contemporary Employment Relations is replaced by MGB229

Year 4 Semester 1

BSB399	Real World Ready - Business Capstone
MGB33 9	Managing Performance and Rewards

Year 4 Semester 2

MGB23 0	Recruiting and Selecting People
MGB37 2	Creating Value through People
In 2019 i	init MGB320 Recruitment and

Selection is replaced by MGB230 and MGB370 Personal and Professional Development is replaced by MGB372.

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
- 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	
	1 (February) commencement	
Year 1 Se		
	Global Business	
BSB126	Marketing	
Year 1 Se	emester 2	
BSB110	Accounting	
BSB115	Management	
Year 2 Se	emester 1	
BSB113	Economics	
MGB22 5	Intercultural Communication and Negotiation Skills	
Year 2 Se	emester 2	
BSB111	Business Law and Ethics	
BSB123	Data Analysis	
Year 3 Se	emester 1	
MGB34 0	International Business in the Asia-Pacific	
AYB227	International Accounting	
Year 3 Se	emester 2	
AMB210	Importing and Exporting	
EFB240	Finance for International Business	
Year 4 Se	emester 1	
AMB303	International Logistics	
AMB336	International Marketing	
Year 4 Se	emester 2	
AMB369	International Business Strategy	
BSB399	Real World Ready - Business Capstone	
Semester	2 (July) commencement	
	emester 2	
BSB119	Global Business	
BSB126	Marketing	
Year 2, S	emester 1	
BSB110	Accounting	
BSB123	Data Analysis	
Year 2, S	emester 2	
BSB113	Economics	
BSB115	Management	
	emester 1	
AYB227	International Accounting	
MGB22 5	Intercultural Communication and Negotiation Skills	
	emester 2	
AMB210	Importing and Exporting	
EFB240	Finance for International Business	
Year 4, S	emester 1	
AMB303	International Logistics	
ALADOCC	I C C I LAA I C	



AMB336 International Marketing



Year 4, Semester 2	
MGB34 0	International Business in the Asia-Pacific
AMB369	International Business Strategy
Year 5, S	emester 1
BSB399	Real World Ready - Business Capstone
BSB111	Business Law and Ethics

Semesters

- Semester 1 (February) commencment
- 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) 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

Title

Year 3 Semester 2

MGB22

MGB33

5

Code	Title
Semester	1 (February) commencment
Year 1 Semester 1	
BSB113	Economics
BSB115	Management
Year 1 Se	emester 2
BSB111	Business Law and Ethics
BSB126	Marketing
Year 2 Se	emester 1
BSB110	Accounting
BSB119	Global Business
Year 2 Se	emester 2
MGB20 0	Managing People
BSB123	Data Analysis
Year 3 Se	emester 1
MGB22 6	Innovation, Knowledge and Creativity
If you are stream:	completing the Management
MGB21 0	Managing Operations
,	completing the neurship stream:
MGB20 1	Contemporary Employment Relations

Intercultural Communication

and Negotiation Skills

Managing Projects

rgineerin	g (Honours)
5	
MGB32	Managing Dusings Croudh
4	Managing Business Growth
Year 4 Se	emester 1
BSB399	Real World Ready - Business Capstone
MGB34	Managing Risk
Year 4 Se	emester 2
MGB30	Managing Stratagically
9	Managing Strategically
MGB31 0	Managing Sustainable Change
MGB33 8	Workplace Learning
Semeste	r 2 (July) commencement
Year 1, S	emester 2
BSB115	Management
BSB119	Global Business
Year 2, S	emester 1
BSB113	Economics
BSB126	Marketing
Year 2. S	emester 2
BSB111	Business Law and Ethics
BSB110	Accounting
	emester 1
MGB20	emester i
0	Managing People
MGB22 5	Intercultural Communication and Negotiation Skills
	emester 2
MGB22 6	Innovation, Knowledge and Creativity
BSB123	Data Analysis
Year 4, S	emester 1
MGB34 1	Managing Risk
If you are stream:	completing a management
MGB21	Managing Operations
If you are	completing an neurship stream:
MGB20	Contemporary Employment Relations
-	emester 2
MGB30	
9	Managing Strategically
stream:	completing a management
MGB33 5	Managing Projects
-	completing an neurship stream:
MGB32 4	Managing Business Growth
Year <u>5, S</u>	emester 1

BSB399	Real World Ready - Business Capstone	
Choose o	ne of the following:	
MGB31 0	Managing Sustainable Change	
MGB33 8	Workplace Learning	

Semesters

- Semester 1 (February) commencement
- Year 1 Semester 1
- Year 1 Semester 2Year 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) commencement
- Year 1, Semester 2
- Year 2, Semester 1Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1 Year 4, Semester 2
- Year 5, Semester 1

Code	Titla

Semester 1 (February) commencement

Year 1 Semester 1

BSB113 Economics

BSB126 Marketing

Year 1 Semester 2

BSB111 Business Law and Ethics

BSB115 Management

Year 2 Semester 1

BSB123 Data Analysis

BSB119 Global Business

Year 2 Semester 2

Marketing and Audience AMB201 Analytics

AMB200 | Consumer Behaviour

Year 3 Semester 1

Integrated Marketing **AMB202** Communication

Marketing Planning and **AMB240**

Management

Year 3 Semester 2

BSB110 Accounting

AMB336 International Marketing

Year 4 Semester 1

AMB330 Digital Portfolio

AMB340 Services Marketing

Year 4 Semester 2

Real World Ready - Business **BSB399** Capstone

AMB359 Strategic Marketing

Semester 2 (July) commencement



Voor 1 S	emester 2
BSB113	
BSB126	Marketing
	emester 1
BSB111	Business Law and Ethics
BSB123	Data Analysis
Year 2, S	emester 2
BSB110	Accounting
AMB200	Consumer Behaviour
Year 3, S	emester 1
AMB201	Marketing and Audience Analytics
AMB240	Marketing Planning and Management
Year 3, S	emester 2
AMB202	Integrated Marketing
AIVIDZUZ	Communication
BSB119	Communication Global Business
BSB119	001111111111111111111111111111111111111
BSB119 Year 4, S	Global Business
BSB119 Year 4, S	Global Business emester 1
BSB119 Year 4, S AMB330 AMB340	Global Business emester 1 Digital Portfolio
BSB119 Year 4, S AMB330 AMB340	Global Business emester 1 Digital Portfolio Services Marketing emester 2
BSB119 Year 4, S AMB330 AMB340 Year 4, S	Global Business emester 1 Digital Portfolio Services Marketing emester 2
BSB119 Year 4, S AMB330 AMB340 Year 4, S BSB115 AMB336	Global Business emester 1 Digital Portfolio Services Marketing emester 2 Management
BSB119 Year 4, S AMB330 AMB340 Year 4, S BSB115 AMB336	Global Business emester 1 Digital Portfolio Services Marketing emester 2 Management International Marketing

Semesters

- Semester 1 (February) commencement
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1Year 2 Semester 2Year 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, Semeter 2 Year 5, Semester 1

Code	Title	
Semester 1 (February) commencement		
Year 1 Semester 1		
BSB119	Global Business	
BSB126	Marketing	
Year 1 Semester 2		
BSB110	Accounting	
BSB115	Management	
Year 2 Semester 1		
AMB263	Introduction to Public	

igirieeriri	g (Honours)
	Relations
AMB264	Public Relations Techniques
Year 2 Se	
	Marketing and Audience
AMB201	Analytics
BSB111	Business Law and Ethics
Year 3 Se	
AMB373	Issues, Stakeholders and Reputation
AMB372	Public Relations Planning
Year 3 Se	emester 2
BSB113	Economics
BSB123	Data Analysis
Year 4 Se	
AMB374	Global Public Relations Cases
BSB399	Real World Ready - Business Capstone
Year 4 Se	
AMB375	Internal Communication and Change
AMB379	Public Relations Campaigns
	2 (July) commencement
	emester 2
BSB119	Global Business
BSB126	Marketing
	emester 1
BSB110	Accounting
BSB123	Data Analysis
	emester 2
BSB113	Economics Marketing and Audiense
AMB201	Marketing and Audience Analytics
Year 3, S	emester 1
AMB263	Introduction to Public Relations
AMB264	Public Relations Techniques
Year 3, S	emester 2
AMB372	Public Relations Planning
BSB115	Management
Year 4, S	emester 1
AMB373	Issues, Stakeholders and Reputation
AMB374	Global Public Relations Cases
Year 4, S	emeter 2
AMB375	Internal Communication and Change
AMB379	Public Relations Campaigns
Year 5, S	emester 1
BSB399	Real World Ready - Business Capstone
BSB111	Business Law and Ethics





Bachelor of Science/Bachelor of Laws (Honours)

Year	2020
QUT code	IX80
CRICOS	083029M
Duration (full-time)	5.5 years
ОР	7
Rank	87
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$10,500 per year full-time (96 credit points)
International fee (indicative)	2020: \$35,400 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); ph: +61 7 3138 8822; email: sef.enquiry@qut.edu.au; Law: Director of Undergraduate Programs; email: law_enquiries@qut.edu.a u
Discipline Coordinator	Dr Marion Bateson (Biological Science); Aspro Tim Dargaville (Chemistry); Dr Luke Nothdurft (Earth Science); Dr Andrew Baker (Environmental Science); and Aspro Jamie Trapp (Physics); Law: Director of Undergraduate Programs Science: +61 7 3138 8822; Law: +61 7 3138 2707 Science: sef.enquiry@qut.edu.au; Law: law_enquiries@qut.edu.a

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)

Recommended Study: At least one of Chemistry, Physics, Biology, Geography, Earth Science or Maths C. We assume that you have knowledge equivalent to four semesters at high school level (Years 11 and 12) with sound achievement (4, SA).

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies. Recommended Study: At least one of Chemistry, Physics, Biology, Geography, Earth Science or Maths C.

Minimum English requirements

Students must meet the English proficiency requirements.

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



Bachelor of Science/Bachelor of Laws (Honours)

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)
- 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

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 Law Elective Information*

Code Title Year 1 Semester 1



Bachel	or of Science/Bachelor of La	
LLB101	Introduction to Law	
LLB102	Torts	
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
Year 1 Se	emester 2	
LLB106	Criminal Law	
LLB107	Statutory Interpretation	
Science (Core Unit Option	
Earth Sci	Major Option Unit (for Biology, ence, Environmental Science) 00 (Chemistry and Physics)	
	9, LLB107 Statutory	
	ition replaces LLB105 Legal	
	and Communication	
Year 2 Se		
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	
Introducto Law elect	ory Law Elective unit or General ive unit	
Science N	Major Unit	
Science N	Major Unit	
Year 3 Se	emester 1	
LLB202	Contract Law	
LLB203	Constitutional Law	
Science N	Major Unit	
	Major Unit	
Year 3 Se	•	
	Commercial and Personal	
LLB204	Property Law	
LLB205	Equity and Trusts	
Science N	Major Unit	
Science N	Major Unit	
Year 4 Se	emester 1	
LLB301	Real Property Law	
General L	aw Elective unit*	
Science N	Major Unit	
Science N	Major Unit	
Year 4 Se	emester 2	
LLB303	Evidence	
LLH206	Administrative Law	
Science N	Major Unit	
	Major Unit	
Year 5 Semester 1		
LLH302	Ethics and the Legal Profession	
LLB304	Commercial Remedies	
Consest	avy Clasting on New Javy	

V	vs (Hono	urs)	
Elective or Minor Unit*			
	Year 5 Se	emester 2	
	LLB306	Civil Procedure	
	LLH305	Corporate Law	
		aw Elective or Non-law	
		or Minor Unit*	
	Elective of	.aw Elective or Non-law or Minor Unit*	
	Year 6 Se	emester 1	
		Legal Research Capstone	
	Advanced	Law Elective unit	
		Law Elective unit	
	Law Elec	tive Information*	
Law students may complete up to 4 no law electives or a university wide mino in place of 4 of general law electives.			
	Innovation place of 4	9 students may select the Law, n and Technology Minor in general law electives provided enough units to do so	
Semesters			
	Yea	r 1, Semester 2	
	Yea	r 2, Semester 1	
	• <u>Yea</u>	r 2, Semester 2 r 3, Semester 1	
	• Year 3, Semester 2		
	 Year 4, Semester 1 		
	Year 4, Semester 2Year 5, Semester 1		
	• Year 5, Semester 2		
	 Year 6, Semester 1 		
	Year 6, Semester 2*Law Elective Information		
	Code	Title	
	Year 1, S	emester 2	

Law Liective Information			
Code	Title		
Year 1, S	Year 1, Semester 2		
LLB101	Introduction to Law		
LLB102	1		
Year 2, S	emester 1		
LLB103	Dispute Resolution		
LLB104	Contemporary Law and Justice		
Year 2, S	emester 2		
LLB106	Criminal Law		
LLB107	Statutory Interpretation		
From 2019, LLB107 Statutory Interpretation replaces LLB105 Legal Problems and Communication			
Year 3, S	emester 1		
LLB202	Contract Law		
LLH201	Legal Research		
Year 3, S	semester 2		
LLB204	Commercial and Personal Property Law		
Introductory Law Elective unit or Genera Law Elective			
Year 4, S	emester 1		
LLB203	Constitutional Law		
General Law Elective unit			

Year 4, S	emester 2
LLB205	Equity and Trusts
LLH206	Administrative Law
Year 5, Semester 1	
LLB301	Real Property Law
General Law Elective or Non-law Elective or Minor Unit*	
Year 5, S	emester 2
LLB303	Evidence
LLB306	Civil Procedure
LLH305	Corporate Law
General Law Elective or Non-law Elective or Minor Unit*	
Year 6, S	emester 1
LLB304	Commercial Remedies
LLH302	Ethics and the Legal Profession
	aw Elective or Non-law or Minor Unit*

Elective or Minor Unit* Year 6, Semester 2

LLH401 Legal Research Capstone

General Law Elective or Non-law

Advanced Law Elective unit

Advanced Law Elective unit

*Law Elective Information

Law students may complete up to 4 nonlaw 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 1Year 1, Semester 2Year 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	Year 1, Semester 1		
SEB115	Experimental Science 1		
SEB116	Experimental Science 2		
Year 1, Semester 2			
Science Core Unit Option			
Science Core Unit Option			
Year 2, Semester 1			
Year 2, S	emester 1		
Year 2, S SEB104	emester 1 Grand Challenges in Science		
· ·			
SEB104 SEB113	Grand Challenges in Science Quantitative Methods in		
SEB104 SEB113 Year 2, S	Grand Challenges in Science Quantitative Methods in Science		





General Law Elective or Non-law

General Law Elective or Non-law

Elective or Minor Unit*

Bachelor of Science/Bachelor of Laws (Honours)

Year 3, Semester 1		
rear 3, Semester 1		
BVB201	Biological Processes	
BVB202	Experimental Design and Quantitative Methods	
Year 3, Semester 2		
BVB203	Plant Biology	
BVB204	Ecology	
Year 4, Semester 1		
Year 4, S	emester 1	
· · · · · · · · · · · · · · · · · · ·	emester 1 Animal Biology	
· · · · · · · · · · · · · · · · · · ·		
BVB301 BVB305	Animal Biology Microbiology and the	
BVB301 BVB305 Year 4, S	Animal Biology Microbiology and the Environment	
BVB301 BVB305 Year 4, S	Animal Biology Microbiology and the Environment emester 2 Applied Biology	

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, S	emester 2		
Science (Core Unit Option		
Science (Core Unit Option		
Year 2, S	emester 1		
SEB104	Grand Challenges in Science		
SEB113	Quantitative Methods in Science		
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		
CVB303	Coordination Chemistry		
CVB304	Chemistry Research Project		

Semesters

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

•	Vear	2	San	nester	1

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

Code	Title	
Year 1, S	emester 1	
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
Year 1, S	emester 2	
Science (Core Unit Option	
Science (Core Unit Option	
Year 2, S	emester 1	
SEB104	Grand Challenges in Science	
SEB113	Quantitative Methods in Science	
	emester 2	
ERB101	Earth Systems	
ERB102	Evolving Earth	
Year 3, S	emester 1	
ERB201	Destructive Earth: Natural Hazards	
ERB202	Marine Geoscience	
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, Semester 2		
ERB303	Energy Resources and Basin Analysis	
ERB304	Dynamic Earth: Plate Tectonics	

- 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	Tiue	
Year 1, Semester 1		
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
Year 1, Semester 2		
Science Core Unit Option		
Science Core Unit Option		
Year 2, Semester 1		
SEB104	Grand Challenges in Science	

SEB113	Quantitative Methods in Science	
Year 2, Semester 2		
ERB101	Earth Systems	
EVB102	Ecosystems and the	
	Environment	
Year 3, S	emester 1	
BVB202	Experimental Design and Quantitative Methods	
EVB201	Global Environmental Issues	
Year 3, S	emester 2	
BVB204	Ecology	
[EVB301	replaced by BVB204 in 2017]	
EVB203	Geospatial Information Science	
Year 4, S	emester 1	
EVB302	Environmental Pollution	
EVB312	Soils and the Environment	
[EVB212 replaced by EVB312 in 2017]		
Year 4, Semester 2		
ERB310	Groundwater Systems	
[ENB380	replaced by ERB310 in 2017]	
EVB304	Case Studies in	

Environmental Science

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	r 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 Core Unit Option			
Year 2, Semester 1			
SEB104	Grand Challenges in Science		
SEB113	Quantitative Methods in Science		
Year 2, Semester 2			
PVB101	Physics of the Very Large		

PVB102	Physics of the Very Small	
Year 3 Semester 1		

PVB200	Computational and Mathematical Physics	
PVB203	Experimental Physics	
[PVB201 replaced by PVB200 in 2015.]		

Year 3, Semester 2

PVB202	Mathematical Methods in Physics
PVB204	Electromagnetism



Bachelor of Science/Bachelor of Laws (Honours)

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	

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.

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 QUT Virtual.

General I	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		

LLB444	Real Estate Transactions
LLB447	International Arbitration
LLB460	Competition Moots A
LLB461	Competition Moots B
LLB463	Legal Clinic (Organised Program)
LLB464	International Legal Placement
LLB464 was previously titled Legal Clinic (International)	

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
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
LLH479 Available to students interested in Higher Degree Research	

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
LLB341	Artificial Intelligence, Robots and the Law

LLB345 Regulating the Internet





Bachelor of Information Technology/Bachelor of Laws (Honours)

Year	2020
QUT code	IX87
CRICOS	083025D
Duration (full-time)	5.5 years
ОР	7
Rank	87
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$10,400 per year full-time (96 credit points)
International fee (indicative)	2020: \$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	SEF Enquiry (Information Technology); ph: 61 7 3138 8822; email: sef.enquiry@qut.edu.au; Law: Director of Undergraduate Programs email: law_enquiries@qut.edu.a u
Discipline Coordinator	IT: Dr Wayne Kelly (Computer Science); and Dr Erwin Fielt (Information Systems); Law: Director of Undergraduate Programs IT: +61 7 3138 8822; Law: +61 7 3138 2707 IT: sef.enquiry@qut.edu.au; Law: law_enquiries@qut.edu.a

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)

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:

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

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.



Bachelor of Information Technology/Bachelor of Laws (Honours)

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 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:

- 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.
- 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



Bachelor of Information Technology

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

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
- **Law Elective Information**

Code	Title	
Year 1, S	emester 1	
IFB102	Introduction to Computer Systems	
IFB103	IT Systems Design	
LLB101	Introduction to Law	
LLB102	Torts	
Year 1, S	emester 2	
IFB104	Building IT Systems	
IFB105	Database Management	
LLB106	Criminal Law	
LLB107	Statutory Interpretation	
From 2019, LLB107 Statutory Interpretation replaces LLB105 Legal Problems and Communication		
Year 2, S	emester 1	
IT Core Unit Option		
IT Core Unit Option		
LLB103	Dispute Resolution	
LLB104	Contemporary Law and Justice	
Year 2, Semester 2		
IT Major Unit		
IT Major Unit		

Introductory Law Elective unit of General

J/	Bachelo	r of Laws (Honours)	
	Law Elective unit		
	LLH201	Legal Research	
	Year 3, S	emester 1	
	IT Major	Unit	
	IT Major	Unit	
	LLB202	Contract Law	
	LLB203	Constitutional Law	
	Year 3, S	emester 2	
	IT Major	Unit	
	IT Major Unit		
	LLB204	Commercial and Personal Property Law	
	LLB205	Equity and Trusts	
	Year 4, S	emester 1	
	IT Major Unit		
	IT Major Unit		
	LLB301	Real Property Law	
	General L	aw Elective unit	
	Year 4, Semester 2		
	IT Major Unit		

IT Major Unit

LLB303 Evidence

LLH206 Administrative Law

Year 5, Semester 1

LLB304 Commercial Remedies Ethics and the Legal

LLH302 Profession General Law Elective or Non-law

Elective or University-wide Minor Unit General Law Elective or Non-law Elective or University-wide Minor Unit

Year 5, Semester 2

LLB306 Civil Procedure

LLH305 | Corporate Law

General Law Elective or Non-law Elective or University-wide Minor Unit

General Law Elective or Non-law Elective or University-wide Minor Unit

Year 6, Semester 1

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 comprised of 4 units in place of the equivalent number of general law electives.

Semesters

- Semester 1 (February) commencements
- Year 1, Semester 1 Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1Year 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

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 L	Init 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, 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
	emester 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
CAB201	Programming Principles
IT Core L	Init Option
Year 3, Semester 1	
1 car 5, 5	





Bachelor of Information Technology/Bachelor of Laws (Honours)

Daoiloi		
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 ONE of:		
CAB401	High Performance and Parallel Computing	
CAB403	Systems Programming	
OR IT Core Unit Option		
Year 5, S	emester 1	
IFB399	Capstone Project (Phase 2)	
Select ONE of:		
CAB402	Programming Paradigms	
CAB420	Machine Learning	
OR IT Co	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
- 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	litte		
Semester 1 (February) commencements			
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 Unit Option			
Year 2, Semester 2			
IAB201	Modelling Techniques for		

	Information Systems
IAB207	Rapid Web Application
	Development
	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	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
	emester 2
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 2, S	emester 1
IFB104	Building IT Systems
IFB105	• •
כטום וו	Database Management
	Database Management emester 2
	emester 2 Modelling Techniques for
Year 2, S	emester 2 Modelling Techniques for Information Systems
Year 2, S IAB201 IT Core U	emester 2 Modelling Techniques for Information Systems Unit Option
Year 2, S IAB201 IT Core U	emester 2 Modelling Techniques for Information Systems Unit Option emester 1 Business Requirements
Year 2, S IAB201 IT Core U Year 3, S	emester 2 Modelling Techniques for Information Systems Unit Option emester 1
Year 2, SIAB201 IT Core LIYear 3, SIAB204 IAB207	emester 2 Modelling Techniques for Information Systems Unit Option emester 1 Business Requirements Analysis Rapid Web Application Development
Year 2, SIAB201 IT Core LIYear 3, SIAB204 IAB207	emester 2 Modelling Techniques for Information Systems Unit Option emester 1 Business Requirements Analysis Rapid Web Application
Year 2, SIAB201 IT Core LYear 3, SIAB204 IAB207 Year 3, SIAB305	emester 2 Modelling Techniques for Information Systems Unit Option emester 1 Business Requirements Analysis Rapid Web Application Development emester 2 Information Systems Lifecycle

Business Process Modelling

Capstone Project (Phase 1)

Capstone Project (Phase 2)

IT Project Management

Enterprise Architecture

IAB206	Modern Data Management
IAB260	Social Technologies
IAB303	Data Analytics for Business Insight
IAB320	Business Process Improvement
IAB402	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 QUT Virtual.

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 QUT Virtual.

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	



IAB203

IFB295

IAB401 IFB398

IFB399

Year 4, Semester 2

Year 5, Semester 1

Select ONE of:

Bachelor of Information Technology/Bachelor of Laws (Honours)

LLB444	Real Estate Transactions
LLB447	International Arbitration
LLB460	Competition Moots A
LLB461	Competition Moots B
LLB463	Legal Clinic (Organised Program)
LLB464	International Legal Placement
LLB464 was previously titled Legal Clinic (International)	

Clinic (International)

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

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.

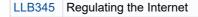
My Community on your blackboard homepage for unit offerings to determine

which units will be available.

Advanced Law Electives	
Code	Title
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
LLH479 Available to students interested in Higher Degree Research	

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	
LLB341	Artificial Intelligence, Robots and the Law	







Bachelor of Mathematics (Honours)

Year	2020
QUT code	MS10
CRICOS	080486K
Duration (full-time)	1 year
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$9,600 per year full-time (96 credit points)
International fee (indicative)	2020: \$42,600 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; ph: +61 7 3138 8822; email: sef.enquiry@qut.edu.au
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Academic entry requirement

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.

International Entry requirements Academic entry requirement

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 course.



Bachelor of Mathematics (Honours)

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

- Semester 1
- Semester 2
- Mathematics Honours Options List

Semester 1		
Code	Title	
MXN40 0	Mathematical Research Training	
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		

	atics 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	2020
QUT code	SE05
CRICOS	0102144
Duration (full-time)	5 years
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$9,200 per year full-time (96 credit points)
International fee (indicative)	2020: \$36,100 per year full-time (96 credit points)
Total credit points	480
Dom. Start Months	July
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); ph: +61 7 3138 8822; email: sef.enquiry@qut.edu.au
Discipline Coordinator	Mellini Sloan (Urban and Regional Planning); Dr Andrew Baker (Environmental Science) +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

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

- 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)

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:

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary 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

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
- 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
- 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**

- Semester 1 (February) commencements
- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1 Year 2, Semester 2



Bachelor of Urban Development (Honours) (Urban and Regional Planning)/ Bachelor of Science (Environmental Science)

- 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>Year 5, Semester 2</u>		
Code	Title	
	1 (February) commencements	
Year 1, S	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	
Yea <u>r 2, S</u>	emester 1	
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
	Design-thinking for the Built	
UXB100	Environment	
UXB130	History of the Built Environment	
Year 2 S	emester 2	
ERB101	Earth Systems	
EVB102	Ecosystems and the Environment	
LWS012		
LVV3012	Urban Development Law Negotiation and Conflict	
UXB135	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	
	emester 2	
	Case Studies in	
EVB304	Environmental Science	

Groundwater Systems		
Professional Practice		
Research Methods for the Future Built Environment		
emester 1		
Soils and the Environment		
OR (if EVB312 completed previously)		
Conservation Biology		
Economics		
Project - Part A		
Urban Planning Practice		
Year 5, Semester 2		
Environmental Planning		
Community Planning		
Regional Planning		
Project - Part B		





Year	2020
QUT code	SE40
CRICOS	084922G
Duration (full-time)	5 years
ОР	6
Rank	89
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$9,600 per year full-time (96 credit points)
International fee (indicative)	2020: \$36,800 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	SEF Enquiries - (Engineering major); Professor Tim Moroney (Mathematics major); email: sef.enquiry@qut.edu.au; ph: +61 7 3138 8822
Discipline Coordinator	Dr Thomas Rainey (Chemical Process), Associate Professor Jonathan Bunker (Civil); Dr Wayne Kelly (Computer & Software Systems); Dr Jacob Coetzee (Electrical); Dr Aaron Mcfadyen (Electrical & Aerospace); Dr Wim Dekkers/Professor Ted Steinberg (Mechanical); Ass. Professor Luis Alvarez (Mechatronics); Associate Professor Devakar Epari (Medical); Dr Pascal Buenzli (Applied and Computational Mathematics): Dr Paul Wu

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)

We assume that you have knowledge equivalent to four semesters at high school level (Years 11 and 12) with sound achievement (4, SA). Recommended Study: Chemistry, Mathematics C, Physics.

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies. Recommended Study: Chemistry, Mathematics C, Physics.

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

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 unit) 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	
MXB106	Linear Algebra	
Year 1 Semester 2		
MXB105	Calculus and Differential Equations	



Mathematics); Dr Paul Wu

(Operations Research; and Statistics)

Maths Co	Maths Core option unit		
Please note: SE40 students will do MXB161 as part of their Engineering Maths units.			
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 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
- Year 4 Semester 2

Oodo	1100	
Operations Research Major unit set		
Year 1 Semester 1		
1.0VD.400	Abstract Mathematical	

MXB102 Reasoning

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.

Year 2 Semester 1

MXB101 Probabilit

Probability and Stochastic Modelling 1

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

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

- Statistical Science 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			
Statistical	Science	Major	unit	set:

Year 1 Semester 1

MXB102 Abstract Mathematical Reasoning

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.

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 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 Semester 1		
MXB341	Statistical Inference	
MXB344	Generalised Linear Models	
Year 4 Semester 2		
MXB343	Modelling Dependent Data	
MXB348	Work Integrated Learning in Statistics	

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

Tear 5 - Serilester 2		
Code	Title	
Year 1 - S	Semester 1	
EGB113	Energy in Engineering Systems	
MXB161	Computational Explorations	
Year 1 - Semester 2		
EGB100	Engineering Sustainability an Professional Practice	
MZB126	Engineering Computation	
V	Compoter 1	

Year 2 - Semester 1

EGB111 Foundation of Engineering Design

EGB121 Engineering Mechanics

Year 2 - Semester 2

EGB120 Foundations of Electrical Engineering

Foundation Unit Option

Year 3 - Semester 1

EGB261 Unit Operations

EGB323 Fluid Mechanics

Year 3 - Semester 2

CVB101 General Chemistry

EGB322 Thermodynamics

Year 4 - Semester 1

EGB262 Process Principles

EGB361 Minerals and Minerals

Processing

Year 4 - Semester 2

EGB364 Process Modelling
EGH411 Industrial Chemistry

Practice

Year 5 - Semester 1

EGB362 Operations Management and Process Economics

EGH400 Research Project 1

EGH404 Research in Engineering

the university for the real world

EGH463	Plant and Process Design	
Year 5 - Semester 2		
EGH400 -2	Research Project 2	
EGH422	Advanced Thermodynamics	
EGH423	Fluids Dynamics	
EGH462	Process Control	

EGH400 -2	Research Project 2
EGH472	Advanced Highway and Pavement Engineering
EGH475	Advanced Concrete Structures
EGH479	Advances in Civil Engineering Practice

Year 5 - Semester 2	
EGH400 -2	Research Project 2
EGH455	Advanced Systems Design
CAB432	Cloud Computing
Advanced Computer and Software Systems Option Unit	

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
- Year 5 Semester 1
- Year 5 Semester 2

Title

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

	r 4 - Semester 1	
Year 4 - Semester 2Year 5 - Semester 1		
• <u>Year</u>	r 5 - Semester 1	
	Title	
	Semester 1	
	Energy in Engineering	
EGB113	Systems	
MXB161	Computational Explorations	
Year 1 - S	Semester 2	
EGB100	Engineering Sustainability and Professional Practice	
MZB126	Engineering Computation	
Year 2 - 9	Semester 1	
EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	
Year 2 - S	Semester 2	
EGB120	Foundations of Electrical Engineering	
Foundation	on Unit Option	
Year 3 - S	Semester 1	
Year 3 - 8 CAB201	Semester 1 Programming Principles	
	Programming Principles	
CAB201 EGB242	Programming Principles	
CAB201 EGB242	Programming Principles Signal Analysis	
CAB201 EGB242 Year 3 - S CAB202	Programming Principles Signal Analysis Semester 2 Microprocessors and Digital	
CAB201 EGB242 Year 3 - S CAB202 Intermedi	Programming Principles Signal Analysis Semester 2 Microprocessors and Digital Systems	
CAB201 EGB242 Year 3 - S CAB202 Intermedi Year 4 - S	Programming Principles Signal Analysis Semester 2 Microprocessors and Digital Systems ate Electrical Option Unit	
CAB201 EGB242 Year 3 - S CAB202 Intermedi Year 4 - S	Programming Principles Signal Analysis Gemester 2 Microprocessors and Digital Systems ate Electrical Option Unit Gemester 1	
CAB201 EGB242 Year 3 - S CAB202 Intermedi Year 4 - S EGB240 CAB301	Programming Principles Signal Analysis Semester 2 Microprocessors and Digital Systems ate Electrical Option Unit Semester 1 Electronic Design	
CAB201 EGB242 Year 3 - S CAB202 Intermedi Year 4 - S EGB240 CAB301	Programming Principles Signal Analysis Semester 2 Microprocessors and Digital Systems ate Electrical Option Unit Semester 1 Electronic Design Algorithms and Complexity	
CAB201 EGB242 Year 3 - S CAB202 Intermedi Year 4 - S EGB240 CAB301 Year 4 - S	Programming Principles Signal Analysis Gemester 2 Microprocessors and Digital Systems ate Electrical Option Unit Gemester 1 Electronic Design Algorithms and Complexity Gemester 2	
CAB201 EGB242 Year 3 - S CAB202 Intermedi Year 4 - S EGB240 CAB301 Year 4 - S CAB403 EGH404	Programming Principles Signal Analysis Semester 2 Microprocessors and Digital Systems ate Electrical Option Unit Semester 1 Electronic Design Algorithms and Complexity Semester 2 Systems Programming Research in Engineering	
CAB201 EGB242 Year 3 - S CAB202 Intermedi Year 4 - S EGB240 CAB301 Year 4 - S CAB403 EGH404	Programming Principles Signal Analysis Semester 2 Microprocessors and Digital Systems ate Electrical Option Unit Semester 1 Electronic Design Algorithms and Complexity Semester 2 Systems Programming Research in Engineering Practice	
CAB201 EGB242 Year 3 - S CAB202 Intermedi Year 4 - S EGB240 CAB301 Year 4 - S CAB403 EGH404 Year 5 - S EGH400	Programming Principles Signal Analysis Semester 2 Microprocessors and Digital Systems ate Electrical Option Unit Semester 1 Electronic Design Algorithms and Complexity Semester 2 Systems Programming Research in Engineering Practice Semester 1	
CAB201 EGB242 Year 3 - S CAB202 Intermedii Year 4 - S EGB240 CAB301 Year 4 - S CAB403 EGH404 Year 5 - S EGH400 -1	Programming Principles Signal Analysis Semester 2 Microprocessors and Digital Systems ate Electrical Option Unit Semester 1 Electronic Design Algorithms and Complexity Semester 2 Systems Programming Research in Engineering Practice Semester 1 Research Project 1	

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
- Semester

• <u>Yea</u>	<u>r 5 - Semester 2</u>
Code	Title
Year 1 - 9	Semester 1
EGB113	Energy in Engineering Systems
MXB161	Computational Explorations
Year 1 - 9	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 - 9	Semester 2
CAB202	Microprocessors and Digital Systems
EGB120	Foundations of Electrical Engineering
Year 3 - 8	Semester 1
EGB240	Electronic Design
EGB241	Electromagnetics and Machines
Year 3 - 9	Semester 2
EGB242	Signal Analysis
Intermedi	ate Electrical Option Unit (1)
requisite granted if the same	
	Semester 1
	Design and Practice
	on Unit Option
	Semester 2
Intermediate Electrical Option Unit (2)	
Intermediate Electrical Option Unit (3)	
Year 5 - Semester 1	

Research Project 1

Research in Engineering



EGH400

EGH404

Systems Option Unit

	_		· · ·	
	Practice			
Advanced	d Electrical	Option	Unit (1)	
Advanced	d Electrical	Option	Unit (2)	
Year 5 - 8	Semester 2			
EGH400 -2	Research	Project	2	
Advanced	d Electrical	Option	Unit (3)	
Advanced	d Electrical	Option	Unit (4)	
Advanced	d Electrical	Option	Unit (5)	

	_
EGH446	Autonomous Systems
Advanced Electrical Option Unit	
Year 5 - Semester 2	
EGH400 -2	Research Project 2
EGH445	Modern Control
EGH450	Advanced Unmanned Aircraft Systems

EGH421	Vibration and Control
Year 5 - Semester 2	
EGH400 -2	Research Project 2
EGH420	Mechanical Systems Design
EGH422	Advanced Thermodynamics
EGH423	Fluids Dynamics

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
- Year 4 Semester 2
- Year 5 Semester 1
 Year 5 Semester 2

Semesters

Year 1 - Semester 1Year 1 - Semester 2

Advanced Electrical Option Unit

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

• Yea	
Code	Title
Year 1 - 9	Semester 1
EGB113	Energy in Engineering Systems
MXB161	Computational Explorations
Year 1 - 9	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - 9	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - 9	Semester 2
EGB120	Foundations of Electrical Engineering
Foundation	on Unit Option
Year 3 - 9	Semester 1
CAB202	Microprocessors and Digital Systems
EGB240	Electronic Design
\	
Year 3 - 8	Semester 2
Year 3 - 8 EGB242	Semester 2 Signal Analysis
EGB242	
EGB242 Intermedi	Signal Analysis
EGB242 Intermedi	Signal Analysis ate Electrical Option Unit
EGB242 Intermedi Year 4 - S	Signal Analysis ate Electrical Option Unit Semester 1
EGB242 Intermedi Year 4 - S EGB243 EGB349	Signal Analysis ate Electrical Option Unit Semester 1 Aircraft Systems and Flight Systems Engineering and
EGB242 Intermedi Year 4 - 9 EGB243 EGB349 Year 4 - 9	Signal Analysis ate Electrical Option Unit Semester 1 Aircraft Systems and Flight Systems Engineering and Design Project
EGB242 Intermedi Year 4 - 9 EGB243 EGB349 Year 4 - 9	Signal Analysis ate Electrical Option Unit Semester 1 Aircraft Systems and Flight Systems Engineering and Design Project Semester 2
EGB242 Intermedi Year 4 - \$ EGB243 EGB349 Year 4 - \$ EGB345 EGB346	Signal Analysis ate Electrical Option Unit Semester 1 Aircraft Systems and Flight Systems Engineering and Design Project Semester 2 Control and Dynamic Systems
EGB242 Intermedi Year 4 - \$ EGB243 EGB349 Year 4 - \$ EGB345 EGB346	Signal Analysis ate Electrical Option Unit Semester 1 Aircraft Systems and Flight Systems Engineering and Design Project Semester 2 Control and Dynamic Systems Unmanned Aircraft Systems

	<u>r 4 - Semester 1</u> r 4 - Semester 2
	r 5 - Semester 1
	r 5 - Semester 2
Code	Title
Year 1 - 9	Semester 1
EGB113	Energy in Engineering Systems
MXB161	Computational Explorations
Year 1 - 3	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - 3	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - 3	Semester 2
EGB120	Foundations of Electrical Engineering
Foundation	on Unit Option
Year 3 - 9	Semester 1
EGB214	Materials and Manufacturing
EGB314	3
Year 3 - 3	Semester 2
EGB210	Fundamentals of Mechanical Design
EGB211	Dynamics
Year 4 - 9	Semester 1
EGB321	Dynamics of Machines
EGB323	Fluid Mechanics
	Semester 2
EGB322	,
EGH404	Practice
Year 5 - S	Semester 1
EGB316	Design of Machine Elements
EGH400 -1	Research Project 1
EGH414	Stress Analysis

Semeste		
 Year 1 - Semester 1 		
 Year 1 - Semester 2 		
 Year 2 - Semester 1 		
Year 2 - Semester 2		
 Year 3 - Semester 1 		
	r 3 - Semester 2	
• <u>Yea</u>	r 4 - Semester 1	
• <u>Yea</u>	r 4 - Semester 2	
• <u>Yea</u>	r 5 - Semester 1 r 5 - Semester 2	
• <u>rea</u>	1 5 - Semester 2	
Code	Title	
Year 1 - 9	Semester 1	
EGB113	Energy in Engineering	
LODITO	Systems	
MXB161	Computational Exploratio	
Year 1 - S	Semester 2	
Year 1 - 8	Engineering Sustainability	
EGB100	Engineering Sustainability Professional Practice	
EGB100 MZB126	Engineering Sustainability Professional Practice Engineering Computation	
EGB100 MZB126	Engineering Sustainability Professional Practice	
EGB100 MZB126	Engineering Sustainability Professional Practice Engineering Computation	
EGB100 MZB126 Year 2 - S	Engineering Sustainability Professional Practice Engineering Computation Semester 1 Foundation of Engineerin	
EGB100 MZB126 Year 2 - \$ EGB111 EGB121	Engineering Sustainability Professional Practice Engineering Computation Semester 1 Foundation of Engineering Design	
EGB100 MZB126 Year 2 - \$ EGB111 EGB121	Engineering Sustainability Professional Practice Engineering Computation Semester 1 Foundation of Engineering Design Engineering Mechanics	
EGB100 MZB126 Year 2 - 5 EGB111 EGB121 Year 2 - 5 EGB120	Engineering Sustainability Professional Practice Engineering Computation Semester 1 Foundation of Engineering Design Engineering Mechanics Semester 2 Foundations of Electrical	
EGB100 MZB126 Year 2 - \$ EGB111 EGB121 Year 2 - \$ EGB120 Foundation	Engineering Sustainability Professional Practice Engineering Computation Gemester 1 Foundation of Engineering Design Engineering Mechanics Gemester 2 Foundations of Electrical Engineering	
EGB100 MZB126 Year 2 - \$ EGB111 EGB121 Year 2 - \$ EGB120 Foundation	Engineering Sustainability Professional Practice Engineering Computation Semester 1 Foundation of Engineering Design Engineering Mechanics Semester 2 Foundations of Electrical Engineering on Unit Option	

MXB161	Computational Explorations		
Year 1 - 9	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 - 9	Semester 2		
EGB120	Foundations of Electrical Engineering		
Foundation	on Unit Option		
Year 3 - 8	Semester 1		
EGB211	Dynamics		
EGB242	Signal Analysis		
Year 3 - 8	Semester 2		
CAB202	Microprocessors and Digital Systems		
EGB345	Control and Dynamic Systems		
Year 4 - S	Semester 1		
EGB220	Mechatronics Design 1		
EGB321	Dynamics of Machines		
Year 4 - 8	Semester 2		
EGB320	Mechatronics Design 2		
Intermedi	Intermediate Electrical Option Unit		
Year 5 - 8	Year 5 - Semester 1		
EGH400 -1	Research Project 1		
EGH404	Research in Engineering Practice		
EGH419	Mechatronics Design 3		
EGH446	Autonomous Systems		

Year 5 - Semester 2



EGH400 -2	Research Project 2
EGH413	Advanced Dynamics
EGH445	Modern Control
Advanced	d Electrical Option Unit

EGH424	Biofluids
EGH435	Modelling and Simulation for Medical Engineers
	Biomaterials

Semesters

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

- Year 5 Semester 1Year 5 Semester 2

Code	Title
	Semester 1
Teal 1-0	
EGB113	Energy in Engineering Systems
MXB161	Computational Explorations
Year 1 - 9	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - 9	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - 9	Semester 2
EGB120	Foundations of Electrical Engineering
Foundation	on Unit Option
Year 3 - 8	Semester 1
EGB314	Strength of Materials
LSB131	Anatomy
Year 3 - 8	Semester 2
EGB211	Dynamics
LSB231	Physiology
Year 4 - 8	Semester 1
EGB214	Materials and Manufacturing
EGB323	Fluid Mechanics
Year 4 - 9	Semester 2
EGB210	Fundamentals of Mechanical Design
EGH404	Research in Engineering Practice
Year 5 - 8	Semester 1
EGB319	BioDesign
EGH400 -1	Research Project 1
EGH414	Stress Analysis
EGH418	Biomechanics
Year 5 - S	Semester 2
EGH400 -2	Research Project 2





Year	2020
QUT code	SE60
CRICOS	084923F
Duration (full-time)	5 years
ОР	12
Rank	75
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$9,600 per year full-time (96 credit points)
International fee (indicative)	2020: \$38,500 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	SEF Enquiry - email: sef.enquiry@qut.edu.au; ph: +61 7 3138 8822
Discipline Coordinator	Dr Thomas Rainey (Chemical Process), Associate Professor Jonathan Bunker (Civil); Dr Wayne Kelly (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 Wayne Kelly

Systems)

(Computer Science); and Dr Erwin Fielt (Information

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)

We assume that you have knowledge equivalent to four semesters at high school level (Years 11 and 12) with sound achievement (4, SA). Recommended study: Chemistry, Maths C and Physics.

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies. Recommended study: Chemistry, Maths C and Physics.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
6.5	
6.0	
6.0	
6.0	
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

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 PLEASE NOTE:

For students taking the IT: Computer Science major with Engineering: Computer & Software Systems major. please refer to the "IT Units: Computer Science/Eng Computer Software Sys Majors ONLY (SE60MJR-CSSES)" structure instead.

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
- Computer Science Major Unit

<u>Options</u>			
Code	Title		
Semester	1 (February) commencements		
Year 1, S			
IFB102	Introduction to Computer		
11 10 102	Systems		
IFB103	IT Systems Design		
Year 1, S	emester 2		
IFB104	Building IT Systems		
IFB105	Database Management		
Year 2, S	emester 1		
	eering students majoring in:		
	hanical, Medical or		
	Chemical Process major -		
	nit Option		
	nit Option		
	eering students majoring in:		
	Electrical & Aerospace or nics major -		
	nit Option		
	Programming Principles		
	emester 2		
	eering students majoring in: hanical, Medical or		
	Chemical Process major -		
CAB201	Programming Principles		
CAROOS	Microprocessors and Digital		
CAB202	Systems		
	lect CAB202 from the		
	Science Major Option list -		
	this is compulsory in the IT component if majoring in these engineering majors.)		
	eering students majoring in:		
	Electrical & Aerospace or		
	nics major -		
IT Core U	nit Option		
Computer	Science Major Unit Option 1		
(Note: CA	B202 will be available as core		
in the eng	ineering component if majoring		
	ngineering majors.)		
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, Semester 2

Capstone Project (Phase 2)

Computer Science Major Unit Option 2

Semester 2 (July) commencements

IFB399

acneior	of information Techno
Year 1, S	emester 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
CAB201	Programming Principles
IT Core C	Option
Year 3, S	emester 1
CAB203	Discrete Structures
Civil, Med	neering students majoring in chanical, Medical or Chemical Process major -
CAB202	Microprocessors and Digital Systems
Electrical	neering students majoring in , Electrical & Aerospace or inics major -
Compute	r Science Major Unit Option
Year 3, S	emester 2
CAB303	Networks
IFB295	IT Project Management
Year 4, S	emester 1
CAB301	Algorithms and Complexity
CAB302	Software Development
Year 4, S	emester 2
IFB398	Capstone Project (Phase 1
IT Core U	Jnit Option
OR	
Compute	r Science Major Unit Option
Year 5, S	emester 1
IFB399	Capstone Project (Phase 2
Compute	r Science Major Unit Option

	CAB420	Machine Learning
	CAB430	Data and Information Integration
	CAB432	Cloud Computing
	CAB440	Network and Systems Administration
PLEASE NOTE:		
This structure Is ONLY for the		

combination of IT Computer Science and **Engineering Computer & Software** Systems Majors.

Semesters

- Semester 1 (February) commencements
- Year 1, Semester 1
- Year 1, Semester 2Year 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
- Computer Science Major Unit

<u>Options</u>		
Code	Title	
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 Care Unit Ontion		

IT Core Unit Option

IT Core Unit Option

Year 2, Semester 2

Computer Science Major Unit Option 1 Computer Science Major Unit Option 2 CAB201 and CAB202 are core to EN01 Computer Software Systems Major

CAB203	Discrete Structures
CAB302	Software Development
Year 3, Semester 2	

Year 3, Semester 1

CAB303 Networks IFB295 IT Project Management

Year 4, Semester 1

CAB301 Algorithms and Complexity

OR

CAB202

CAB220

CAB401

IT Core Unit Option

selected previously.)

(Select IT Core Unit Option here, if not

Computer Science Major Unit Options

Software Systems, Electrical, Electrical

& Aerospace or Mechatronics in which

Fundamentals of Data

High Performance and

Parallel Computing

CAB402 Programming Paradigms

CAB403 Systems Programming

you will complete CAB202 in your

Engineering component.)

CAB340 Cryptography

Science

CAB320 | Artificial Intelligence

Systems

(CAB202 is CORE unless your Engineering major is in Computer &

Microprocessors and Digital

Bachel	or of Engineering (Honours)/
IFB398	Capstone Project (Phase 1)
Year 4, S	semester 2
IFB399	Capstone Project (Phase 2)
Compute	r Science Major Unit Option 3
Semeste	r 2 (July) commencements
Year 1, S	Semester 2
IFB102	Introduction to Computer
11 10102	Systems
IFB103	IT Systems Design
	emester 1
IFB104	Building IT Systems
IFB105	Database Management
100	emester 2
	r Science Major Unit Option 1
	Jnit Option
	emester 1
	Discrete Structures
-	r Science Major Unit Option 2
	emester 2
CAB303	
IFB295	IT Project Management
	emester 1
	Algorithms and Complexity
CAB302	Software Development
	emester 2
IFB398	Capstone Project (Phase 1)
	Init Option
OR	r Saignes Major Unit Ontion 2
	r Science Major Unit Option 3 emester 1
IFB399	Capstone Project (Phase 2)
	r Science Major Unit Option 3
OR	T Colonice Wajer Offic Option 6
	Jnit Option
	Core Unit Option here, if not
,	previously.)
Compute	r Science Major Unit Options
	01 and CAB202 are core to
	mputer Software Systems
	E60MJR-CSSECS students will two extra Computer Science
	tion units in place of CAB201
and CAB	
CAB310	Interaction and Experience
CAB320	Design Artificial Intelligence
CAB330	Data and Web Analytics
CAB340	•
CAB340 CAB401	Cryptography High Performance and
CAB401	Cryptography High Performance and Parallel Computing
CAB401 CAB402	Cryptography High Performance and Parallel Computing Programming Paradigms
CAB401 CAB402 CAB420	Cryptography High Performance and Parallel Computing
CAB401 CAB402	Cryptography High Performance and Parallel Computing Programming Paradigms Machine Learning

CAB432	Cloud Computing
CAB440	Network and Systems Administration
CAB441	Network Security

Semesters

- Semester 1 (February) commencements
- Year 1, Semester 1Year 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		
IFB102	Introduction to Computer Systems	
IFB103	IT Systems Design	

Year 1	, Semester 2
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IFB104	Building IT Systems
IFB105	Database Management

Year 2, Semester 1

IT Core Unit Option

IT Core Unit Option

Year 2, Semester 2		
IAB201	Modelling Techniques	
	Information Systems	

for

Rapid Web Application **IAB207** Development

Year 3, Semester 1

IAB203	Business Process Modelling
IAB204	Business Requirements Analysis

Year 3, Semester 2

IAB305	Management
IFB295	IT Project Management

Year 4, Semester

IFB398	Capstone Project (Phase 1)
Select on	e of:
LADOOC	Madawa Data Managarana

Select one 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	emester 1	
IFB104	Building IT Systems	
IFB105	Database Management	
Year 2, S	-	
IAB201	Modelling Techniques for Information Systems	
IT Core U	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 U	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 ONE of:		
IAB206	Modern Data Management	
IAB260	Social Technologies	
IAB303	Data Analytics for Business Insight	
IAB320	Business Process Improvement	

Semesters

IAB402

• Semester 1 (February) commencements

Consulting

Information Systems

- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1Year 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



Bachel	or of Engineering (Honou	
Year 1 - 9	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 - 3	Semester 1	
EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	
Year 2 - S	Semester 2	
EGB120	Foundations of Electrical Engineering	
	on Unit Option	
Year 3 - S	Semester 1	
CAB202	Microprocessors and Digital Systems	
EGB242	Signal Analysis	
	Semester 2	
CAB201	Programming Principles	
	ate Electrical Option Unit	
	Semester 1	
	Electronic Design	
	ate Software Option Unit	
For students with Computer Science Major: CAB301 and CAB302 are core to the Computer Science Major. Please contact Science and Engineering Faculty to be provided a list of additional units you can select from.		
Year 4 - 9	Semester 2	
CAB403	Systems Programming	
Intermedi Option Ui	ate Electrical or Software	
Year 5 - 9	Semester 1	
EGH404	Research in Engineering Practice	
EGH400 -1	Research Project 1	
Advanced Unit	d Electrical or Software Option	
EGH456	Embedded Systems	
Year 5 - 8	Semester 2	
EGH400 -2	Research Project 2	
EGH455	Advanced Systems Design	
Advanced	d Electrical Option Unit	
Advanced	d Software Option Unit	
Semeste	ers	

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

Title Code Semester 1 (February) commencements Year 1 - Semester 1 **Energy in Engineering** EGB113 Systems

Introductory Engineering MZB125 Mathematics OR

MXB161 Computational Explorations

Year 1 - Semester 2 Engineering Sustainability and **EGB100** Professional Practice

MZB126 Engineering Computation

Year 2 - Semester 1 Foundation of Engineering **EGB111** Design

EGB121 Engineering Mechanics

Year 2 - Semester 2

Foundations of Electrical EGB120 Engineering

Foundation Unit Option

Year 3 - Semester 1 EGB261 Unit Operations

EGB323 Fluid Mechanics

Year 3 - Semester 2

CVB101 General Chemistry EGB322 Thermodynamics

Year 4 - Semester 1

EGB262 Process Principles Minerals and Minerals **EGB361** Processing

Year 4 - Semester 2

EGB364 Process Modelling EGH411 Industrial Chemistry

Year 5 - Semester 1

Operations Management and EGB362 Process Economics EGH400 Research Project 1 -1 Research in Engineering **EGH404** Practice EGH463 Plant and Process Design

Year 5 - Semester 2

EGH400 Research Project 2 -2 EGH422 | Advanced Thermodynamics EGH423 Fluids Dynamics

EGH462 Process Control

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 2Year 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 **Energy in Engineering** EGB113 Systems

Introductory Engineering MZB125 Mathematics OR

MXB161 Computational Explorations

Year 1 - Semester 2 Engineering Sustainability and Professional Practice

MZB126 Engineering Computation

Year 2 - Semester 1 Foundation of Engineering EGB111 Design

EGB121 Engineering Mechanics

Year 2 - Semester 2

EGB123 Civil Engineering Systems

Foundation Unit Option

Year 3 - Semester 1 EGB270 | Civil Engineering Materials

Traffic and Transport EGB272 Engineering

Year 3 - Semester 2

EGB273 | Principles of Construction

EGB373 | Geotechnical Engineering

Year 4, Semester 1

EGB275 Structural Mechanics

EGB371 Engineering Hydraulics

Year 4 - Semester 2 EGB376 Steel Design

EGH471 Advanced Water Engineering

Year 5 - Semester 1

EGB375 Design of Concrete Structures EGH400 Research Project 1 -1 Research in Engineering EGH404 Practice Advanced Geotechnical EGH473 Engineering

Year 5 - Semester 2

EGH400 Research Project 2



-2	
EGH472	Advanced Highway and Pavement Engineering
EGH475	Advanced Concrete Structures
EGH479	Advances in Civil Engineering Practice

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

	Code	Title
	Semester	1 (February) commencements
Ì	Year 1 - S	Semester 1

Introductory Engineering MZB125 Mathematics

OR

MXB161 | Computational Explorations

Year 1 - Semester 2

EGB100	En Pro	gine ofes	ering siona	g Susi al Pra	tain ctic	e e	bility	and
N47D400	_			_				

MZB126 Engineering Computation

Year 2 - Semester 1

EGB111	Foundation of Engineering Design

EGB121 Engineering Mechanics

Year 2 - Semester 2

CAB202	Microprocessors and Digital Systems
EGB120	Foundations of Electrical Engineering

Year 3 - Semester 1

EGB240	Electronic Design
EGB241	Electromagnetics and Machines

Year 3 - Semester 2

EGB242 | Signal Analysis

Intermediate 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 - Semester 1

EGB340 Design and Practice

Foundation Unit Option

Year 4 - Semester 2

Intermediate Electrical Option Unit (2)

Year 5 - Semester 1

search Project 1

Research in Engineering Practice

Advanced Electrical Option Unit (1) Advanced Electrical Option Unit (2)

Year 5 - Semester 2

EGH400 -2	Research Project 2
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Advanced Electrical Option Unit (3)

Advanced Electrical Option Unit (4)

Advanced Electrical Option Unit (5)

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

Code Title

Semester 1 (February) commencements

Year 1 - Semester 1

EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
MXB161	Computational Explorations

Year 1 - Semester 2

EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation

Year 2 - Semester 1

EGB111	Four Desi	n of	En	igin	eering
			_		

EGB121 Engineering Mechanics

Year 2 - Semester 2

EGB120	Foundations of Electrica
	Engineering

Foundation Unit Option

Year 3 - Semester 1

CAB202	Systems
	Fl4

EGB240 Electronic Design

Year 3 - Semester 2

EGB242 Signal Analysis

Intermediate Electrical Option Unit

Year 4 - Semester 1

EGB243	Aircraft Systems and Flight	
EGB349	Systems Engineering and	

Design Project		
Year 4 - Semester 2		
EGB345	Control and Dynamic Systems	
EGB346	Unmanned Aircraft Systems	
Year 5 - 8	Semester 1	
EGH400 -1	Research Project 1	
EGH404	Research in Engineering Practice	
EGH446	Autonomous Systems	
Advanced Electrical Option Unit		
Year 5 - Semester 2		
EGH400 -2	Research Project 2	
EGH445	Modern Control	
EGH450	Advanced Unmanned Aircraft Systems	
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 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) commencemer

nts

Energy in Engineering EGB113 Systems

Introductory Engineering MZB125 Mathematics

OR

MXB161 | Computational Explorations

Year 1 - Semester 2

Year 1 - Semester 1

Engineering Sustainability and EGB100 Professional Practice

MZB126 Engineering Computation

Year 2 - Semester 1

Foundation of Engineering **EGB111** Design

EGB121 Engineering Mechanics

Year 2 - Semester 2

Foundations of Electrical EGB120 Engineering

Foundation Unit Option

Year 3 - Semester 1

EGB214 | Materials and Manufacturing EGB314 Strength of Materials

Year 3 - Semester 2

EGB210 Fundamentals of Mechanical



	Design	
EGB211	Dynamics	
Year 4 - 9	4 - Semester 1	
EGB321	Dynamics of Machines	
EGB323	Fluid Mechanics	
Year 4 - 9	Semester 2	
EGB322	Thermodynamics	
EGH404	Research in Engineering Practice	
Year 5 - 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	Advanced Thermodynamics	
EGH423	Fluids Dynamics	

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

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

Voor	γ	Semes	tor 1
ı caı	Z - \	oemes	lei i

Foundation of Engineering EGB111 Design

EGB121 Engineering Mechanics

Year 2 - Semester 2

Foundations of Electrical EGB120 Engineering

Foundation Unit Option

Year 3 - Semester 1

EGB211 Dynamics

EGB242	Signal Analysis	
Year 3 - Semester 2		
CAB202	Microprocessors and Digital Systems	
EGB345	Control and Dynamic Systems	
Year 4 - Semester 1		
EGB220	Mechatronics Design 1	
EGB321	Dynamics of Machines	
Year 4 - 9	Semester 2	
EGB320	Mechatronics Design 2	
Intermediate Electrical Option Unit		
Year 5 - Semester 1		
EGH400 -1	Research Project 1	
	Research Project 1 Research in Engineering Practice	
-1	Research in Engineering Practice	
-1 EGH404	Research in Engineering Practice	
-1 EGH404 EGH419 EGH446	Research in Engineering Practice Mechatronics Design 3	
-1 EGH404 EGH419 EGH446	Research in Engineering Practice Mechatronics Design 3 Autonomous Systems	
-1 EGH404 EGH419 EGH446 Year 5 - S EGH400	Research in Engineering Practice Mechatronics Design 3 Autonomous Systems Semester 2	
-1 EGH404 EGH419 EGH446 Year 5 - S EGH400 -2 EGH413	Research in Engineering Practice Mechatronics Design 3 Autonomous Systems Gemester 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
- 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 - 9	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 - Semester 2		
EGB120	Foundations of Electrical	

Foundation Unit Option		
Year 3 - 8	Semester 1	
EGB314	Strength of Materials	
LSB131	Anatomy	
Year 3 - 9	Semester 2	
EGB211	Dynamics	
LSB231	Physiology	
Year 4 - 9	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 - 8	Semester 1	
EGB319	BioDesign	
EGH400 -1	Research Project 1	
EGH414	Stress Analysis	
EGH438	Biomaterials	
Year 5 - Semester 2		
EGH400 -2	Research Project 2	
EGH424	Biofluids	
EGH435	Modelling and Simulation for Medical Engineers	
EGH418	Biomechanics	





Year	2020
QUT code	SE80
CRICOS	084924E
Duration (full-time)	5 years
ОР	12
Rank	75
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$9,600 per year full-time (96 credit points)
International fee (indicative)	2020: \$41,800 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	SEF Enquiries - (Engineering major); Dr Graham Johnson (Science); email: sef.enquiry@qut.edu.au; ph: +61 7 3138 8822
Discipline Coordinator	Dr Thomas Rainey (Chemical Process), Associate Professor Jonathan Bunker (Civil); Dr Wayne Kelly (Computer & Software Systems); Dr Jacob Coetzee (Electrical); Dr Aaron Mcfadyen (Electrical & Aerospace); Dr Wim Dekkers/Prof Ted Steinberg (Mechanical); A/Prof Luis Alvarez (Mechatronics); A/Prof Devakar Epari (Medical); Dr Marion Bateson (Biological Science); Aspro Tim Dargaville (Chemistry); Dr Luke Nothdurft (Earth Science); Dr Andrew Baker (Environmental Science); and Aspro Jamie Trapp (Physics)

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)

We assume that you have knowledge equivalent to four semesters at high school level (Years 11 and 12) with sound achievement (4, SA). Recommended study: Chemistry, Maths C and Physics.

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies. Recommended study: Chemistry, Maths C and 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	

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:

- 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.

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:

- 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.

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 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



)/Bachelor of Science

Bache	lor of Engineering (Honours	
SEB113	Quantitative Methods in Science	
Year 1 S	emester 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	
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, S	Semester 2	
BVB101	Foundations of Biology	
BVB102	Evolution	
Year 3, S	Semester 1	
BVB202	Experimental Design and Quantitative Methods	
BVB301	Animal Biology	
	Semester 2	
BVB201 BVB204	Biological Processes	
	Ecology Semester 1	
BVB203	Plant Biology	
BVB305	Microbiology and the Environment	
	Semester 2	
BVB304	Integrative Biology	
BVB313	Population Genetics and Molecular Ecology	
	Semester 1	
	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 Semester 1		
SEB115	Experimental Science 1	

SEB116 | Experimental Science 2 Year 1 Semester 2

CVB101	General Chemistry
CVB102	Chemical Structure and Reactivity

Year 2 Semester 1

SEB104 Grand Challenges in Science Quantitative Methods in SEB113 Science

Year 2 Semester 2

Chemical Measurement CVB210 Science

Science Core Unit Option

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 for Synthesis

CVB302 | Applied Physical Chemistry

Year 4 Semester 2

CVB303 | Coordination Chemistry CVB304 Chemistry Research Project

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	
	emester 2	
CVB101	General Chemistry	
CVB102	Chemical Structure and Reactivity	
Year 3, S	emester 1	
CVB201	Inorganic Chemistry	
CVB202	Analytical Chemistry	
Year 3, Semester 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, Semester 2		
CVB210	Chemical Measurement Science	
CVB303	Coordination Chemistry	
Year 5, S	emester 1	
CVB304	Chemistry Research Project	
Science 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 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 Title

Year 5, Semester 1

oodo	1100	
Semester 1 (February) commencements		
Year 1 Semester 1		
SEB104	Grand Challenges in Science	
SEB113	Quantitative Methods in Science	
Year 1 Semester 2		
0 .		

Science Core Unit Option

Science Major Unit Option

Year 2 Semester 1

SEB115 Experimental Science 1 SEB116 | Experimental Science 2

Year 2 Semester 2



achelor of Science

Bachel	or of Engineering (Honours
ERB101	Earth Systems
ERB102	Evolving Earth
Year 3 S	emester 1
ERB201	Destructive Earth: Natural Hazards
ERB202	Marine Geoscience
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 So	emester 2
ERB303	Energy Resources and Basin Analysis
ERB304	Dynamic Earth: Plate Tectonics
Semeste	r 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
ERB102	Evolving Earth
Year 3, S	emester 1
ERB201	Destructive Earth: Natural Hazards
ERB202	Marine Geoscience
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
	emester 2
ERB303	Energy Resources and Basin Analysis
ERB304	Dynamic Earth: Plate Tectonics
Year 5, S	emester 1
Science (Core Unit Option
Science Major Unit Option	

Semesters

• Semester 1 (February)

commencements

Year 1 Semester 1

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• Sem	ester 2 (July) commencemen
	r 1, Semester 2
	r 2, Semester 1
• Year	r 2, Semester 2 r 3, Semester 1
• Year	r 3, Semester 2
• <u>Yea</u> ı	r 4, Semester 1
• <u>Year</u>	r 4, Semester 2 r 5, Semester 1
Code	Title
	1 (February) commencement
Year 1 Se	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in
V 4.0	Science
Year 1 Se	
	Core Unit Option
	//ajor Unit Option
Year 2 Se	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2 Se	emester 2
ERB101	Earth Systems
EVB102	Ecosystems and the
EVD102	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	
	Groundwater Systems
	Case Studies in
EVB304	Environmental Science
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
	emester 2
roar z, o	omootor _

ERB101 Earth Systems

EVB102 | Ecosystems and the

• 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

	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		

Semesters

- Semester 1 (February) commencements
- Year 1 Semester 1
- Year 1 Semester 2Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1 Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- <u>Semester 2 (July) commencements</u>
- Year 1, Semester 2
- Year 2, Semester 1Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1Year 4, Semester 2
- Year 5, Semester 1

Code	Title		
Semester 1 (February) commencements			
Year 1 Se	Year 1 Semester 1		
SEB113	Quantitative Methods in Science		
SEB115	Experimental Science 1		
Year 1 Semester 2			
PVB102	Physics of the Very Small		
SEB104	Grand Challenges in Science		
Year 2 Semester 1			
PVB203	Experimental Physics		
SEB116	Experimental Science 2		
Year 2 Semester 2			
PVB200	Computational and Mathematical Physics		

Science Core Unit Option Year 3 Semester 1

Bacnel	or or Engineering (Honours
	Global Energy Balance and
PQB360	Climate Change
PVB210	Stellar Astrophysics
Year 3 Se	emester 2
PVB204	Electromagnetism
PVB220	Cosmology
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
Semester	r 2 (July) commencements
	semester 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
F V D Z U U	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	Global Energy Balance and Climate Change
Science (Core Unit Option

Semesters

- Semester 1 (February) commencements
- Year 1 Semester 1
- Year 1 Semester 2Year 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

achelor of Science		
Code	Title	
Semeste	1 (February) commencements	
Year 1 - 8	Semester 1	
EGB113	Energy in Engineering Systems	
MZB125	Introductory Engineering Mathematics	
OR		
MXB161	Computational Explorations	
Year 1 - 9	Semester 2	
EGB100	Engineering Sustainability and Professional Practice	
MZB126	Engineering Computation	
Year 2 - 9	Semester 1	
EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	
Year 2 - 9	Semester 2	
EGB120	Foundations of Electrical Engineering	
Foundation	on Unit Option	
Year 3 - 3	Semester 1	
EGB261	Unit Operations	
EGB323	Fluid Mechanics	
Year 3 - 9	Semester 2	
CVB101	General Chemistry	
EGB322	Thermodynamics	
Year 4 - 9	Semester 1	
EGB262	Process Principles	
EGB361	Minerals and Minerals Processing	
Year 4 - S	Semester 2	
EGB364	Process Modelling	
EGH411	Industrial Chemistry	
Year 5 - 9	Semester 1	
EGB362	Operations Management and Process Economics	
EGH400 -1	Research Project 1	
EGH404	Research in Engineering Practice	
EGH463	Plant and Process Design	
Year 5 - S	Semester 2	
EGH400 -2	Research Project 2	
EGH422	Advanced Thermodynamics	
EGH423	Fluids Dynamics	
EGH462	Process Control	

Semesters

- Semester 1 (February) commencements

- Year 2 Semester 2
- Year 3 Semester 1Year 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	
EGB123	Civil Engineering Systems	
Foundation	on Unit Option	
Year 3 - 9	Semester 1	
EGB270	Civil Engineering Materials	
EGB272	Traffic and Transport Engineering	
V	Semester 2	
EGB273	Principles of Construction	
EGB373	Geotechnical Engineering	
	emester 1	
EGB275	Structural Mechanics	
EGB371	Engineering Hydraulics	
	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	
EGH473	Advanced Geotechnical Engineering	
Year 5 - Semester 2		
EGH400 -2	Research Project 2	
EGH472	Advanced Highway and Pavement Engineering	
EGH475	Advanced Concrete Structures	
EGH479	Advances in Civil Engineering Practice	



- Year 1 Semester 1
- Year 1 Semester 2Year 2 Semester 1



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

	Full and the Full and a section of	
Year 1 - Semester 1		
Semester 1 (February) commencements		
Code	Title	

Energy in Engineering **EGB113 Systems** Introductory Engineering MZB125 Mathematics

OR

MXB161 Computational Explorations

Year 1 - Semester 2

Engineering Sustainability and EGB100 **Professional Practice**

MZB126 Engineering Computation

Year 2 - Semester 1

Foundation of Engineering **EGB111** Design

EGB121 Engineering Mechanics

Year 2 - Semester 2

Foundations of Electrical **EGB120** Engineering

Foundation Unit Option

Year 3 - Semester 1

CAB201 Programming Principles

EGB242 Signal Analysis

Year 3 - Semester 2

Microprocessors and Digital **CAB202** Systems

Intermediate Electrical Option Unit

Year 4 - Semester 1

EGB240 Electronic Design

CAB301 Algorithms and Complexity

Year 4 - Semester 2

CAB403 Systems Programming

Research in Engineering EGH404 Practice

Year 5 - Semester 1

EGH400 -1

Research Project 1

CAB302 | Software Development

EGH456 Embedded Systems

Advanced Computer & Software Systems Option Unit

Year 5 - Semester 2

EGH4	UU
-2	

Research Project 2

EGH455 | Advanced Systems Design

Advanced Computer & Software Systems Option Unit

CAB432 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

Code	Title	
Semester 1 (February) commencements		
Year 1 - Semester 1		
ECR112	Energy in Engineering	

EGB113 Systems Introductory Engineering MZB125 Mathematics

OR

MXB161 | Computational Explorations

Year 1 - Semester 2

Engineering Sustainability and **EGB100** Professional Practice

MZB126 Engineering Computation

Year 2 - Semester 1

Foundation of Engineering **EGB111**

EGB121 | Engineering Mechanics

Year 2 - Semester 2

Microprocessors and Digital CAB202 Systems Foundations of Electrical EGB120 Engineering

Year 3 - Semester 1

EGB240 Electronic Design

Electromagnetics and EGB241 Machines

Year 3 - Semester 2

EGB242 Signal Analysis

Intermediate 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 - Semester 1

EGB340 Design and Practice

Foundation Unit Option

Year 4 - Semester 2

Intermediate Electrical Option Unit (2)

Intermediate Electrical Option Unit (3)

Year 5 - Semester 1

EGH400 -1	Research Project 1
EGH404	Research in Engineering Practice

Advanced Electrical Option Unit (1)

Advanced Electrical Option Unit (2)

Year 5 - Semester 2

EGH400 -2

Research Project 2

Advanced Electrical Option Unit (3)

Advanced Electrical Option Unit (4)

Advanced Electrical Option Unit (5)

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 1Year 5 - Semester 2		
Code Title		
	1 (February) commencements	
	Semester 1	
EGB113	Energy in Engineering Systems	
MZB125	Introductory Engineering Mathematics	
MXB161	Computational Explorations	
Year 1 - Semester 2		
EGB100	Engineering Sustainability and Professional Practice	
MZB126	Engineering Computation	
Year 2 - Semester 1		
EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	

Year 2 - Semester 2

Foundations of Electrical EGB120 Engineering

Foundation Unit Option

Year 3 - Semester 1

Microprocessors and Digital **CAB202** Systems

EGB240 Electronic Design

Year 3 - Semester 2

EGB242 Signal Analysis

Intermediate Electrical Option Unit

Year 4 - Semester 1

EGB243 | Aircraft Systems and Flight Systems Engineering and EGB349 Design Project

Year 4 - Semester 2



EGB345	Control and Dynamic Systems	
EGB346	Unmanned Aircraft Systems	
Year 5 - Semester 1		
EGH400 -1	Research Project 1	
EGH404	Research in Engineering Practice	
EGH446	Autonomous Systems	
Advanced Electrical Option Unit		
Year 5 - Semester 2		
EGH400 -2	Research Project 2	
EGH445	Modern Control	
EGH450	Advanced Unmanned Aircraft Systems	
	Systems	

Semesters

- Semester 1 (February) commencements
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1Year 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 - Semester 1		
EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	
Year 2 - Semester 2		
EGB120	Foundations of Electrical Engineering	
Foundation	on Unit Option	
Year 3 - 8	Semester 1	
EGB214	Materials and Manufacturing	
EGB314	Strength of Materials	
Year 3 - 8	Semester 2	
EGB210	Fundamentals of Mechanical Design	
EGB211	Dynamics	

Year 4 - 9	Semester 1	
EGB321	Dynamics of Machines	
EGB323	Fluid Mechanics	
Year 4 - 8	Semester 2	
EGB322	Thermodynamics	
EGH404	Research in Engineering Practice	
Year 5 - 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	Advanced Thermodynamics	
EGH423	Fluids Dynamics	

Semesters

- Semester 1 (February) commencements
- Year 1 Semester 1
- Year 1 Semester 2Year 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

Title

Year 3 - Semester 2

Semester 1 (February) commencements			
rear 1 - S	Year 1 - Semester 1		
EGB113	Energy in Engineering Systems		
MZB125	Introductory Engineering Mathematics		
OR	OR		
MXB161	Computational Explorations		
Year 1 - S	Semester 2		
EGB100	Engineering Sustainability and Professional Practice		
MZB126	Engineering Computation		
Year 2 - S	Year 2 - Semester 1		
EGB111	Foundation of Engineering Design		
EGB121	Engineering Mechanics		
Year 2 - 8	Year 2 - Semester 2		
EGB120	Foundations of Electrical Engineering		
Foundation Unit Option			
Year 3 - Semester 1			
EGB211	Dynamics		
EGB242	Signal Analysis		

CAB202	Microprocessors and Digital Systems
EGB345	Control and Dynamic Systems
Year 4 - Semester 1	
EGB220	Mechatronics Design 1
EGB321	Dynamics of Machines
Year 4 - Semester 2	
EGB320	Mechatronics Design 2
Intermedi	ate Electrical Option Unit
Year 5 - Semester 1	
EGH400 -1	Research Project 1
EGH404	Research in Engineering Practice
EGH419	Mechatronics Design 3
EGH446	Autonomous Systems
Year 5 - Semester 2	
EGH400 -2	Research Project 2
EGH413	Advanced Dynamics
EGH445	Modern Control
Advanced	d 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 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 - Semester 2	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	



Year 3 - Semester 1

or or Engineering (noneur	
Strength of Materials	
Anatomy	
Year 3 - Semester 2	
Dynamics	
Physiology	
Semester 1	
Materials and Manufacturing	
Fluid Mechanics	
Semester 2	
Fundamentals of Mechanical Design	
Research in Engineering Practice	
0 0	
Practice	
Practice Semester 1	
Practice Semester 1 BioDesign	
Practice Semester 1 BioDesign Research Project 1	
Practice Semester 1 BioDesign Research Project 1 Stress Analysis	
Practice Semester 1 BioDesign Research Project 1 Stress Analysis Biomaterials	
Practice Semester 1 BioDesign Research Project 1 Stress Analysis Biomaterials Semester 2	
Practice Semester 1 BioDesign Research Project 1 Stress Analysis Biomaterials Semester 2 Research Project 2	



Bachelor of Science (Honours)

Year	2020
QUT code	ST10
CRICOS	080487J
Duration (full-time)	1 year
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$9,600 per year full-time (96 credit points)
International fee (indicative)	2020: To Be Advised
Total credit points	96
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Course Coordinator	Dr Konstantin Momot; ph: +61 7 3138 8822; email: sef.enquiry@qut.edu.au
Discipline Coordinator	Dr Melody de Laat (Biological Sciences), Dr James Blinco (Chemistry), Dr Christoph Schrank (Earth Sciences), Professor Stuart Parsons (Environmental Science), Dr Konstantin Momot (Physics)

Domestic Entry requirementsAcademic entry requirements

A completed recognised bachelor degree in science or equivalent with a minimum grade point average (GPA) score of 5.00 (on a 7-point scale), completed within the last five years.

International Entry requirements

Academic entry requirements

A completed recognised bachelor degree in science or equivalent with a minimum grade point average (GPA) score of 5.00 (on a 7-point scale), completed within the last five years.

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

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 higher-level 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
- Physics

International Course structure

You must complete 96 credit points (8 units) from one of the following study areas:

Biological Sciences



Bachelor of Science (Honours)

- ChemistryEarth Science
- Environmental Science
- 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
STB403 -6	Honours Research Project 6
STB411	Advanced Topics in Earth, Environmental and Biological Research

Code	Title	
Semester	Semester 1	
STB403 -1	Honours Research Project 1	
STB403 -2	Honours Research Project 2	
STB403 -3	Honours Research Project 3	
STB412	Advanced Experimental Chemistry Techniques	
Semester 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	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	r 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	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	
Elective u	Elective unit	
Semester	· 2	
SEB403 -4	Honours Research Project-4	
STB403 -5	Honours Research Project 5	
STB403 -6	Honours Research Project 6	
Elective unit		





Bachelor of Urban Development (Honours)

Year	2020
QUT code	UD01
CRICOS	080479J
Duration (full-time)	4 years
Duration (part-time domestic)	8 years
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$10,100 per year full-time (96 credit points)
International fee (indicative)	2020: \$32,300 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February
Course Coordinator	Dr Paul Donehue; email: sef.enquiry@qut.edu.au; ph: +61 7 3138 8822

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 program has been designed to provide you with a real life exposure to a range of urban development disciplines to understand how your chosen course helps to prepare you for a rewarding career in the built environment. You have the opportunity to collaborate with your peers and teaching staff at QUT and to learn in exciting new learning environments. Throughout the course you will experience a range of site visits and fieldwork that will link the theory in lectures to everyday situations in your chosen field of study. You will learn about a range of career opportunities and professional outcomes that will enable you to optimise your experience and potential career. Your major will provide you with in depth knowledge and expertise in an urban development discipline. You will also have the opportunity to undertake a second major or two minors in an area that will broaden your urban development experience and/or complement your first major.

Course Design

Your QUT Bachelor of Urban Develoment (Honours) degree consists of 384 credit points (32 units) arranged as follows:

(a) 72 credit points (6 units) of Urban Development Core units, which includes a Work Integrated Learning unit that requires completion of workplace learning.

(b) 216 credit points (18 units) comprising one (1) major from the following:

- Construction Management
- •
- Quantity Surveying and Cost Engineering
- •
- Urban and Regional Planning

(c)

Pathways to Further Study

The (UD01) Bachelor of Urban Development (Honours) is located at Level 8 of the Australian Qualifications Framework (AQF). Graduates may be eligible for discipline relevant Masters and/or Doctoral level programs

Domestic Course structure Course Design

Your QUT Bachelor of Urban Develoment (Honours) degree consists of 384 credit points (32 units) arranged as follows:

(a) 72 credit points (6 units) of Urban Development Core units, which includes a Work Integrated Learning unit that requires completion of workplace learning.

(b) 216 credit points (18 units) comprising one (1) major from the following:

- Construction Management
- Quantity Surveying and Cost Engineering
- Urban and Regional Planning

(c) 96 credit points of complementary studies comprising of either a Second Major (8 unit set) or two Minors (4 unit set each) from the options specified for your chosen major.

International Course structure Course Design

Your QUT Bachelor of Urban Develoment (Honours) degree consists of 384 credit points (32 units) arranged as follows:

(a) 72 credit points (6 units) of Urban Development Core units, which includes a Work Integrated Learning unit that requires completion of workplace learning.

(b) 216 credit points (18 units) comprising one (1) major from the following:

- · Construction Management
- Quantity Surveying and Cost Engineering
- Urban and Regional Planning

(c) 96 credit points of complementary studies comprising of either a Second Major (8 unit set) or two Minors (4 unit set each) from the options specified for your chosen major.





Bachelor of Urban Development (Honours) (Construction Management)

2020
UD01
080479J
4 years
8 years
14
70
Yes
Gardens Point
2020 CSP \$10,100 per year full-time (96 credit points)
2020: \$32,300 per year full-time (96 credit points)
384
48
24
July, February
July, February
You can defer your offer and postpone the start of your course for one year.
Dr Paul Donehue; email: sef.enquiry@qut.edu.au; ph: +61 7 3138 8822
Dr Melissa Teo
sef.enquiry@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)

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:

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

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

Course Overview

The QUT Bachelor of Urban Development (Honours) degree with a primary major (Study Area A) in Construction
Management is designed to provide you with 'real-life' exposure, and the knowledge and skills to prepare you for rewarding career the Construction, Development and associated industries. With the capacity, will and innovation to contribute to a better built environment, as a work-ready graduate, you will be able to apply sound judgement and expertise in practice managing complex built environments.

Course Design

Your QUT Bachelor of Urban Development (Honours) (Construction Management) degree consists of 384 credit points (32 units) arranged as follows:

- **a)** 72 credit points (6 units) of Urban Development Core units, which includes a Work Integrated Learning unit that requires completion of workplace learning.
- **b)** 216 credit points (18 units) of Construction Management 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).

Urban Development Core Units

These units will engage you in understanding Urban Development 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.

Construction Management 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:

Urban Development disciplines:

- •Urban and Regional Planning Studies
- Property
- Accountancy
- Applied Economics and Finance

(additional second major choices are currently under development)

Minors:

A choice of two minors from the lists



Bachelor of Urban Development (Honours) (Construction Management)

below:

Urban Development disciplines:

- •Urban and Regional Planning Studies
- Property Development
- Property Investment and Finance
- Property Valuation

Other disciplines:

- Language Minors University Wide Options
- University Wide Minors

Special Course Requirements

You are required to obtain a minimum of 80 days of approved construction management industrial experience as part of your Work Integrated Learning core unit.

Professional Recognition

Graduates are eligible for membership of the Australian Institute of Building (AIB)

Pathways to Further Study

The (UD01) Bachelor of Urban Development (Honours) is located at Level 8 of the Australian Qualifications Framework (AQF). Graduates may be eligible for discipline relevant Masters and/or Doctoral level programs

Domestic Course structure

Your QUT Bachelor of Urban Development (Honours) (Construction Management) degree consists of 384 credit points (32 units) arranged as follows:

- a) 72 credit points (6 units) of urban development core units, which includes a Professional Practice unit that requires completion of workplace learning
- b) 216 credit points (18 units) of construction management 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).

Urban development core units

These units will engage you in understanding urban development 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.

Construction management 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

Complementary studies may be taken as a second major of 96 credit points or two minors of 48 credit points each. Experiential minors in work integrated learning as well as student exchange are also available.

Second majors

A second major provides the opportunity for you to undertake significant studies in a second urban development discipline such as Property Economics, Urban and Regional Planning, Architectural Studies, Accountancy or Applied Economics and Finance. Second majors are also designed to provide diverse professional skills and knowledge beyond the traditional reaches of the built environment curriculum and can offer a range of study options in other fields.

Minors

Minors will allow you undertake studies in a companion discipline. They are designed to provide you with introductory to intermediate level knowlege and skills in areas complementary to your studies. You can choose a minor from other built environment disciplines. There are also minors designed to distinguish students in the employment marketplace with complementary non-discipline skills and competencies that you can choose from a range of inter- and intra-faculty disciplines.

Pathways to further study

The (UD01) Bachelor of Urban Development (Honours) is located at Level 8 of the Australian Qualifications Framework (AQF). Graduates may be eligible for discipline relevant masters and/or doctoral level programs.

International Course structure

Your QUT Bachelor of Urban Development (Honours) (Construction Management) degree consists of 384 credit points (32 units) arranged as follows:

a) 72 credit points (6 units) of urban development core units, which includes a

Professional Practice unit that requires completion of workplace learning

- b) 216 credit points (18 units) of construction management 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).

Urban development core units

These units will engage you in understanding urban development 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.

Construction management 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

Complementary studies may be taken as a second major of 96 credit points or two minors of 48 credit points each. Experiential minors in work integrated learning as well as student exchange are also available.

Second majors

A second major provides the opportunity for you to undertake significant studies in a second urban development discipline such as Property Economics, Urban and Regional Planning, Architectural Studies, Accountancy or Applied Economics and Finance. Second majors are also designed to provide diverse professional skills and knowledge beyond the traditional reaches of the built environment curriculum and can offer a range of study options in other fields.

Minors

Minors will allow you undertake studies in a companion discipline. They are designed to provide you with introductory to intermediate level knowlege and skills in areas complementary to your studies. You can choose a minor from other built environment disciplines. There are also minors designed to distinguish students in



Bachelor of Urban Development (Honours) (Construction Management)

the employment marketplace with complementary non-discipline skills and competencies that you can choose from a range of inter- and intra-faculty disciplines.

Pathways to further study

The (UD01) Bachelor of Urban Development (Honours) is located at Level 8 of the Australian Qualifications Framework (AQF). Graduates may be eligible for discipline relevant masters and/or doctoral level programs.

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	5
•	I cai 4,	Semester	_

Code	Title		
Year 1, S	Year 1, Semester 1		
BSB113	Economics		
UXB100	Design-thinking for the Built Environment		
UXB110	Residential Construction		
UXB115	Introduction to Modern Construction Business		
Year 1, S	emester 2		
UXB111	Imagine Construction Management		
UXB112	Introduction to Structures		
UXB113	Measurement for Construction		
UXB114	Integrated Construction		
Year 2, S	emester 1		
UXB210	Commercial Construction		
UXB211	Building Services		
UXB213	Advanced Measurement for Construction		
2nd Majo	r/Minor unit		
Year 2, S	emester 2		
LWS012	Urban Development Law		
UXB212	Design for Structures		
UXH315	Construction Estimating		
2nd Majo	r/Minor unit		
Year 3, S	emester 1		
USB300	Property Development		
UXH310	High-rise Construction		
UXH311	Contract Administration		
2nd Major/Minor unit			
	emester 2		
UXB301	Professional Practice		
UXH300	Research Methods for the Future Built Environment		
UXH312	Construction Legislation		

2nd Major/Minor unit		
Year 4, S	emester 1	
UXH400 -1	Project - Part A	
UXH411	Programming and Scheduling	
2nd Majo	r/Minor unit	
2nd Major/Minor unit		
Year 4, S	emester 2	
UXH400 -2	Project - Part B	
UXH410	UXH410 Strategic Construction Management	
2nd Major/Minor unit		
2nd Major/Minor unit		



Bachelor of Urban Development (Honours) (Quantity Surveying and Cost Engineering)

Year	2020
QUT code	UD01
CRICOS	080479J
Duration (full-time)	4 years
Duration (part-time domestic)	8 years
ОР	14
Rank	70
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$10,100 per year full-time (96 credit points)
International fee (indicative)	2020: \$32,300 per year full-time (96 credit points)
Total credit points	384
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 Donehue; email: sef.enquiry@qut.edu.au; ph: +61 7 3138 8822
Discipline Coordinator	Mr Jason Gray sef.enquiry@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)

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:

International Subject prerequisites

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

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary 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	

Course Overview

The QUT Bachelor of Urban Development (Honours) degree with a primary major (Study Area A) in Quantity Surveying and Cost Engineering is designed to provide you with 'real-life' exposure, and the knowledge and skills to prepare you for rewarding career the Construction, Resources and associated industries. With the capacity, will and innovation to contribute to a better built environment, as a work-ready graduate, you will be able to apply sound judgement and expertise in practice within your chosen field.

Course Design

Your QUT Bachelor of Urban Development (Honours) (Quantity Surveying and Cost Engineering) degree consists of 384 credit points (32 units) arranged as follows:

- **a)** 72 credit points (6 units) of Urban Development Core units, which includes a Work Integrated Learning unit that requires completion of workplace learning.
- **b)** 216 credit points (18 units) of Quantity Surveying and Cost Engineering 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).

Urban Development Core Units

These units will engage you in understanding Urban Development 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.

Quantity Surveying and Cost Engineering 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:

Urban Development disciplines:

- •Urban and Regional Planning Studies
- Property
- Accountancy
- Applied Economics and Finance

(additional second major choices are currently under development)

Minors:



Bachelor of Urban Development (Honours) (Quantity Surveying and Cost Engineering)

A choice of two minors from the lists below:

Urban Development disciplines:

- •Urban and Regional Planning Studies
- Property Development
- Property Investment and Finance
- Property Valuation

Other disciplines:

- •Language Minors University Wide Options
- University Wide Minors

Special Course Requirements

You are required to obtain a minimum of 80 days of approved quantity surveying and cost engineering industrial experience as part of your Work Integrated Learning core unit.

Professional Recognition

Graduates are eligible for membership of the Australian Institute of Quantity Surveyors (AIQS), the Royal Institution of Chartered Surveyors (RICS) and Board of Quantity Surveyors Malaysia (BQSM).

Pathways to Further Study

The (UD01) Bachelor of Urban Development (Honours) is located at Level 8 of the Australian Qualifications Framework (AQF). Graduates may be eligible for discipline relevant Masters and/or Doctoral level programs

Domestic Course structure

Your QUT Bachelor of Urban Development (Honours) (Quantity Surveying and Cost Engineering) degree consists of 384 credit points (32 units) arranged as follows:

- a) 72 credit points (6 units) of urban development core units, which includes a Professional Practice unit that requires completion of workplace learning
- b) 216 credit points (18 units) of quantity surveying and cost engineering 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).

Urban development core units

These units will engage you in understanding urban development 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.

Quantity surveying and cost engineering 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

Complementary studies may be taken as a second major of 96 credit points or two minors of 48 credit points each. Experiential minors in work integrated learning as well as student exchange are also available.

Second majors

A second major provides the opportunity for you to undertake significant studies in a second Urban Development discipline such as Property Economics, Urban and Regional Planning, Architectural Studies, Accountancy or Applied Economics and Finance. Second majors are also designed to provide diverse professional skills and knowledge beyond the traditional reaches of the built environment curriculum and can offer a range of study options in other fields.

Minors

Minors will allow you undertake studies in a companion discipline. They are designed to provide you with introductory to intermediate level knowlege and skills in areas complementary to your studies. You can choose a minor from other built environment disciplines. There are also minors designed to distinguish students in the employment marketplace with complementary non-discipline skills and competencies that you can choose from a range of inter- and intra-faculty disciplines.

Pathways to further study

The (UD01) Bachelor of Urban Development (Honours) is located at Level 8 of the Australian Qualifications Framework (AQF). Graduates may be eligible for discipline relevant masters and/or doctoral level programs.

International Course structure

Your QUT Bachelor of Urban Development (Honours) (Quantity Surveying and Cost Engineering) degree consists of 384 credit points (32 units) arranged as follows:

- a) 72 credit points (6 units) of Urban Development Core units, which includes a Professional Practice unit that requires completion of workplace learning.
- b) 216 credit points (18 units) of Quantity Surveying and Cost Engineering 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).

Urban Development Core Units

These units will engage you in understanding Urban Development 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.

Quantity Surveying and Cost Engineering 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

Complementary studies may be taken as a Second Major of 96 credit points or two Minors of 48 credit points each. Experiential minors in Work Integrated Learning as well as student exchange are also available.

Second Majors

A second major provides the opportunity for you to undertake significant studies in a second Urban Development discipline such as Property Economics, Urban and Regional Planning, Architectural Studies, Accountancy or Applied Economics and Finance. Second majors are also designed to provide diverse professional skills and knowledge beyond the traditional reaches of the built environment curriculum and can offer a range of study options in other fields.

Minors

Minors will allow you undertake studies in a companion discipline. They are



Bachelor of Urban Development (Honours) (Quantity Surveying and Cost Engineering)

designed to provide you with introductory to intermediate level knowlege and skills in areas complementary to your studies. You can choose a minor from other built environment disciplines. There are also minors designed to distinguish students in the employment marketplace with complementary 'non-discipline' skills and competencies that you can choose from a range of inter- and intra-faculty disciplines.

Pathways to Further Study

The (UD01) Bachelor of Urban Development (Honours) is located at Level 8 of the Australian Qualifications Framework (AQF). Graduates may be eligible for discipline relevant Masters and/or Doctoral level programs.

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

UXH310	High-rise Construction	
UXH311	Contract Administration	
2nd Major	r/Minor unit	
Year 3, S	emester 2	
UXB301	Professional Practice	
UXH300	Research Methods for the Future Built Environment	
UXH321	Cost Planning and Controls	
2nd Major/Minor unit		
Year 4, S	emester 1	
UXH400 -1	Project - Part A	
UXH420	Risk Management in the Energy and Resources Sectors	
2nd Major/Minor unit		
2nd Major/Minor unit		
Year 4, Semester 2		
UXH312	Construction Legislation	
UXH400 -2	Project - Part B	
2nd Major/Minor unit		
2nd Major/Minor unit		

Code	Title	
Year 1, Semester 1		
BSB113	Economics	
UXB100	Design-thinking for the Built Environment	
UXB110	Residential Construction	
UXB115	Introduction to Modern Construction Business	
Year 1, S	emester 2	
UXB113	Measurement for Construction	
UXB114	Integrated Construction	
UXB120	Introduction to Heavy Engineering Sector Technology	
UXB121	Imagine Quantity Surveying and Cost Engineering	
Year 2, S	emester 1	
UXB210	Commercial Construction	
UXB211	Building Services	
UXB213	Advanced Measurement for Construction	
2nd Majo	r/Minor unit	
Year 2, S	emester 2	
LWS012	Urban Development Law	
UXB220	Services and Heavy Engineering Measurement	
UXH315	Construction Estimating	
2nd Major/Minor unit		
Year 3, Semester 1		
USB300	Property Development	





Bachelor of Urban Development (Honours) (Urban and Regional Planning)

Year	2020
QUT code	UD01
CRICOS	080479J
Duration (full-time)	4 years
Duration (part-time domestic)	8 years
ОР	14
Rank	70
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$10,100 per year full-time (96 credit points)
International fee (indicative)	2020: \$32,300 per year full-time (96 credit points)
Total credit points	384
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 Donehue; email: sef.enquiry@qut.edu.au; ph: +61 7 3138 8822
Discipline Coordinator	Mellini Sloan sef.enquiry@qut.edu.au

Domestic Assumed knowledge

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

 English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)

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:

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 QUT Bachelor of Urban Development (Honours) degree with a primary major (Study Area A) in Urban and Regional Planning is designed to provide you with 'real-life' exposure and knowledge and expertise in the field to design and administer plans and policy at neighbourhood, local, regional and state levels. With the capacity and will to contribute to a better built environment, as a work-ready graduate, you will be able to apply your perceptive sensibilities and skills in practice to create sustainable natural and human environments.

Course Design

Your QUT Bachelor of Urban Development (Honours) (Urban and Regional Planning) degree consists of 384 credit points (32 units) arranged as follows:

- a) 72 credit points (6 units) of Urban Development Core units, which includes a Work Integrated Learning unit that requires completion of workplace learning.
- **b)** 216 credit points (18 units) of Urban and Regional Planning 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).

Urban Development Core Units

These units will engage you in understanding Urban Development 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.

Urban and Regional Planning 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:

Urban Development disciplines:

- Urban Development Construction
- Property
- Accountancy
- Applied Economics and Finance

(additional second major choices are currently under development)

Minors:

A choice of two minors from the lists below:

Urban Development disciplines:

- Residential Construction
- Administration in Construction
- Building Economics
- Property Development
- Property Investment and Finance
- Property Valuation

Other disciplines:

- •Urban Design
- Language Minors University Wide Options
- University Wide Minors



Bachelor of Urban Development (Honours) (Urban and Regional Planning)

Professional Recognition

Graduates are eligible for membership of the Planning Institute of Australia (PIA)

Pathways to Further Study

The (UD01) Bachelor of Urban Development (Honours) is located at Level 8 of the Australian Qualifications Framework (AQF). Graduates may be eligible for discipline relevant Masters and/or Doctoral level programs

Domestic Course structure

Your QUT Bachelor of Urban Development (Honours) (Urban and Regional Planning) degree consists of 384 credit points (32 units) arranged as follows:

- a) 72 credit points (6 units) of urban development core units, which includes a Professional Practice unit that requires completion of workplace learning
- b) 216 credit points (18 units) of urban and regional planning 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).

Urban development core units

These units will engage you in understanding urban development 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.

Urban and regional planning 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

Complementary studies may be taken as a second major of 96 credit points or two minors of 48 credit points each. Experiential minors in work integrated learning as well as student exchange are also available.

Second majors

A second major provides the opportunity for you to undertake significant studies in a second Urban Development discipline such as Property Economics, Construction Management, Architectural Studies, Accountancy, Applied Economics and Finance. Second majors are also designed to provide diverse professional skills and knowledge beyond the traditional reaches of the built environment curriculum and can offer a range of study options in other fields.

Minors

Minors will allow you undertake studies in a companion discipline. They are designed to provide you with introductory to intermediate level knowlege and skills in areas complementary to your studies. You can choose a minor from other built environment disciplines. There are also minors designed to distinguish students in the employment marketplace with complementary non-discipline' skills and competencies that you can choose from a range of inter- and intra-faculty disciplines.

Pathways to further study

The (UD01) Bachelor of Urban Development (Honours) is located at Level 8 of the Australian Qualifications Framework (AQF). Graduates may be eligible for discipline relevant masters and/or doctoral level programs.

International Course structure

Your QUT Bachelor of Urban Development (Honours) (Urban and Regional Planning) degree consists of 384 credit points (32 units) arranged as

- a) 72 credit points (6 units) of Urban Development Core units, which includes a Professional Practice unit that requires completion of workplace learning.
- b) 216 credit points (18 units) of Urban and Regional Planning 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).

Urban Development Core Units

These units will engage you in understanding Urban Development 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.

Urban and Regional Planning 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

Complementary studies may be taken as a Second Major of 96 credit points or two Minors of 48 credit points each. Experiential minors in Work Integrated Learning as well as student exchange are also available.

Second Majors

A second major provides the opportunity for you to undertake significant studies in a second Urban Development discipline such as Property Economics, Construction Management, Architectural Studies, Accountancy, Applied Economics and Finance. Second majors are also designed to provide diverse professional skills and knowledge beyond the traditional reaches of the built environment curriculum and can offer a range of study options in other fields.

Minors

Minors will allow you undertake studies in a companion discipline. They are designed to provide you with introductory to intermediate level knowlege and skills in areas complementary to your studies. You can choose a minor from other built environment disciplines. There are also minors designed to distinguish students in the employment marketplace with complementary 'non-discipline' skills and competencies that you can choose from a range of inter- and intra-faculty disciplines.

Pathways to Further Study

The (UD01) Bachelor of Urban Development (Honours) is located at Level 8 of the Australian Qualifications Framework (AQF). Graduates may be eligible for discipline relevant Masters and/or Doctoral level programs.

Sample Structure Semesters

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



Bachelor of Urban Development (Honours) (Urban and Regional Planning)

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

• Year 4, Semester 2			
Code	Title		
Year 1, S	emester 1		
UXB100	Design-thinking for the Built Environment		
UXB130	History of the Built Environment		
UXB131	Planning and Design Practice		
UXB132	Urban Analysis		
Year 1, Semester 2			
LWS012	Urban Development Law		
UXB133	Urban Studies		
UXB134	Land Use Planning		
UXB135	Negotiation and Conflict Resolution		
Year 2, S	emester 1		
	Economics		
	Stakeholder Engagement		
UXB233	· ·-··································		
-	r/Minor unit		
Year 2, S	emester 2		
	Site Planning		
UXB234	1 3		
	r/Minor unit		
	r/Minor unit		
	emester 1		
USB300	1 1		
UXB330	Urban Design		
	r/Minor unit		
	r/Minor unit		
	emester 2		
UXB301	Professional Practice		
UXH300	Research Methods for the Future Built Environment		
UXH331	Environmental Planning		
2nd Major/Minor unit			
	emester 1		
UXH400 -1	Project - Part A		
UXH430	Planning Theory and Ethics		
UXH431	Urban Planning Practice		
2nd Major/Minor unit			
Year 4, Semester 2			
UXH400 -2	Project - Part B		
UXH432	Community Planning		
UXH433	Regional Planning		
2nd Major/Minor unit			





Graduate Certificate in Communication for Engineering

Year	2020
QUT code	EN60
CRICOS	096755G
Duration (full-time international)	6 months
International fee (indicative)	2020: \$18,300 per course (48 credit points)
Total credit points	48
Credit points full-time sem.	48
Course Coordinator	Dr Dhammika Jayalath; ph: +61 7 3138 8822; email: sef.enquiry@qut.edu.au
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

International Entry requirements

Academic entry requirements Requirements for this pathway course are

Requirements for this pathway course are dependent your selected Master program and major.

Master of Professional Engineering (Electrical OR Electrical and Management Majors)

EN60 Graduate Certificate in Communication for Engineering (1 semester) and EN55 Master of Professional Engineering (Electrical OR Electrical and Management) (3 semesters)

A completed recognised four year full time Bachelor degree in an Electrical engineering discipline with a grade point average of 4.0 or higher (on QUT's 7 point scale).

Master of Professional Engineering (Mechanical OR Mechanical and Management Majors)

EN60 Graduate Certificate in Communication for Engineering (1 semester) and EN55 Master of Professional Engineering (Mechanical OR Mechanical and Management) (3 semesters)

A completed recognised four year full time Bachelor degree in a Mechanical engineering discipline with a grade point average of 4.0 or higher (on QUT's 7 point scale).

Master of Professional Engineering (Civil OR Civil and Construction OR Civil and Management Majors)

EN60 Graduate Certificate in Communication for Engineering (1 semester) and EN55 Master of Professional Engineering (Civil OR Civil and Construction OR Civil and Management) (3 semesters)

A completed recognised four year full time Bachelor degree in a Civil engineering discipline with a grade point average of 4.0 or higher (on QUT's 7 point scale).

Master of Engineering Management

EN60 Graduate Certificate in Communication for Engineering (1 semester) and BN87 Master of Engineering Management (2 semesters) A completed recognised four year full time Bachelor degree in Electrical, Mechanical or Civil engineering with a grade point average of 4.0 or higher (on QUT's 7 point scale).

Master of Engineering (Electrical)

EN60 Graduate Certificate in Communication for Engineering (1 semester) and EN50 Master of Engineering (Electrical) (2 semesters)

A completed recognised four year full time Bachelor degree in an Electrical engineering discipline with a grade point average of 4.0 or higher (on QUT's 7 point scale).

Master of Engineering (Mechanical)

EN60 Graduate Certificate in Communication for Engineering (1 semester) and EN50 Master of Engineering (Mechanical) (2 semesters)

A completed recognised four year full time Bachelor degree in a Mechanical engineering discipline with a grade point average of 4.0 or higher (on QUT's 7 point scale).

Master of Project Management

EN60 Graduate Certificate in Communication for Engineering (1 semester) and PM20 Master of Project Management (2 or 3 semesters)

A completed recognised four year full time Bachelor degree in an Electrical, Mechanical or Civil engineering discipline 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 English Language Testing System)		
Overall	6.0	
Listening	5.0	
Reading	5.5	
Writing	5.5	
Speaking	5.0	

International Course structure

The Graduate Certificate in Communication for Engineering is designed around set of core and



Graduate Certificate in Communication for Engineering

discipline units to provide engineering graduates with technical, theoretical and language skills for further learning.

To graduate with a EN60 Graduate Certificate in Communication for Engineering you are required to complete 48 credit points of course units consisting of:

- 24 credit points of core communication units
- 12 credit points of core engineering units
- 12 credit points of engineering discipline units for advanced specialised knowledge and technical skills.

Your engineering discipline unit is selected from either the mechanical or electrical unit options, depending on your engineering specialisation.

No credit for prior learning will be available for units in this course. Discipline units provide added depth and breadth in your chosen area of specialisation in an English speaking context.

Sample Structure

	Title	
Year 1, Semester 1		
EGH404	Research in Engineering Practice	
QCD111	Communication 1	
QCD211	Communication 2	
PLUS Select 1 unit (12 credit points) from ONE of the following specialisations: Your unit choice should reflect the engineering specialisation you will study in your Master degree.		
Electrical	Engineering Unit Options List	
EGH441	Power System Modelling	
EGH442	RF Techniques and Applications	
EGH443	Advanced Telecommunications	
EGH444	Digital Signals and Image Processing	
EGH445	Modern Control	
EGH446	Autonomous Systems	
EGH448	Power Electronics	
EGH449	Advanced Electronics	
EGH450	Advanced Unmanned Aircraft Systems	
EGH456	Embedded Systems	
Mechanical Engineering Unit Options List		
EGH414	Stress Analysis	
EGH421	Vibration and Control	
EGH422	Advanced Thermodynamics	

EGH423	Fluids Dynamics	
Civil Engineering Unit Options List (not for Civil & Construction - see below)		
EGB473	Composite Structures	
EGB481	Infrastructure Asset Management	
EGB485	Finite Element Analysis	
EGH471	Advanced Water Engineering	
EGH472	Advanced Highway and Pavement Engineering	
Civil and Construction Unit Options List		
UXH410	Strategic Construction Management	
UXH411	Programming and Scheduling	
EGB482	Contracting and Construction Regulations	





Graduate Certificate in Business Analysis

Year	2020
QUT code	IN14
CRICOS	0101552
Duration (full-time)	6 months
Duration (part-time domestic)	12 months
Campus	Gardens Point
Domestic fee (indicative)	2020: \$12,400 per year full-time (48 credit points)
International fee (indicative)	2020: \$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; ph: +61 7 3138 8822; email: sef.enquiry@qut.edu.au
Discipline Coordinator	+61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

A completed recognised bachelor degree in:

- information technology or related area; or
- in any field with at least three years (full-time) work experience in the information technology field.

International Entry requirements

A completed recognised bachelor degree in information technology or related area or in discipline with at least three years (full-time) work experience in the information technology (IT) 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 N	otes

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	2020
QUT code	IN15
CRICOS	0101553
Duration (full-time)	6 months
Duration (part-time domestic)	12 months
Campus	Gardens Point
Domestic fee (indicative)	2020: \$12,400 per year full-time (48 credit points)
International fee (indicative)	2020: \$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; ph: +61 7 3138 8822; email: sef.enquiry@qut.edu.au
Discipline Coordinator	+61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

A completed recognised bachelor degree in:

- information technology or related area; or
- in any field with at least three years (full-time) work experience in the information technology field.

International Entry requirements

A completed recognised bachelor degree in information technology or related area or in discipline with at least three years (full-time) work experience in the information technology (IT) 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:

- 24 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:

- 24 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 commencing 27th April 2020
- 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

Year	2020
QUT code	IN16
CRICOS	0101554
Duration (full-time)	6 months
Duration (part-time domestic)	12 months
Campus	Gardens Point
Domestic fee (indicative)	2020: \$12,400 per year full-time (48 credit points)
International fee (indicative)	2020: \$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; ph: +61 7 3138 8822; email: sef.enquiry@qut.edu.au
Discipline Coordinator	+61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

A completed recognised bachelor degree in

- information technology or related area; or
- in any field with at least three years (full-time) work experience in the information technology field.

International Entry requirements

A completed recognised bachelor degree in information technology or related area or in discipline with at least three years (full-time) work experience in the information technology (IT) 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 commencing 27th April 2020
- 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





Graduate Certificate in Communication for Information Technology

Year	2020
QUT code	IN17
CRICOS	086328J
Duration (full-time international)	6 months
International fee (indicative)	2020: \$16,300 per course (48 credit points)
Total credit points	48
Course Coordinator	Dr Hasmukh Morarji; ph: +61 7 3138 8822; email: sef.enquiry@qut.edu.au
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 into:

- 1. 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 Certificate in Tertiary Prepartion for Postgraduate Studies</u> (QC06) or <u>English for Academic Purposes</u> pathways.

2. Master of Data Analytics

Graduate Certificate in Communication for Information Technology (IN17) (one semester) leading to Master of Data Analytics (IN27) (three semesters)

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International Testing System)	English Language
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 IN20 Master of Information Technology/ IN21 Master 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 chosen major 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 chosen major 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 - IFN562, IFN561, *IFN515*, *IFN521*Computer Science related units - IFN563 (6CP) + IFN564 (6CP), *IFN507*, *IFN509*, *IFN541*, *IFN591*Cyber Security & Networks related units -





Graduate Certificate in Communication for Information Technology

IFN507, IFN541, IFN591
Decision Science related units IFN509, IFN521
Software Development related units IFN563 (6CP) + IFN564 (6CP)
Enterprise Systems related units IFN515, IFN541, IFN561, IFN562
Executive IT related units IFN561, IFN521

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 census dates'.

Code	Title
UNIT LIS	T
Core unit	s:
QCD111	Communication 1
QCD211	Communication 2
	ct 24 credit points from the uate Information Technology ons List:
IFN563	Object Oriented Design
IFN564	Data Structures and Algorithms
,	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).	



^{*} Italics = option units in the MIT major



Graduate Certificate in Information Technology

Year	2020
QUT code	IN18
CRICOS	0101555
Duration (full-time)	6 months
Duration (part-time domestic)	12 months
Campus	Gardens Point
Domestic fee (indicative)	2020: \$12,400 per year full-time (48 credit points)
International fee (indicative)	2020: \$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; ph: +61 7 3138 8822; email: sef.enquiry@qut.edu.au
Discipline Coordinator	+61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

A completed recognised bachelor degree in information technology or related discipline.

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 commencing 27th April 2020
- 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 census dates'.

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	





Graduate Certificate in Business Process Management

Year	2020
QUT code	IN25
Duration (part-time)	1 year
Campus	Gardens Point
Domestic fee (indicative)	2020: \$12,700 per course (48 credit points)
International fee (indicative)	2020: \$17,300 per course (48 credit points)
Total credit points	48
Credit points part-time sem.	24
Start months	February
Int. Start Months	February
Course Coordinator	Dr Syed Abbas Zaidi; email: sef.enquiry@qut.edu.au; ph: +61 7 3138 8822
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Academic 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 plus five years industry experience in business, information technology or business process management.

International Entry requirements

A completed recognised bachelor degree in information technology or business or in discipline with at least three years (full-time) work experience in the information technology (IT) field or business or business process management.

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 (International English Language Testing System)	
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	
MGN50 5	Consulting and Change Management	





Graduate Certificate in Data Analytics

Year	2020
QUT code	IN26
CRICOS	098600K
Duration (full-time)	6 months
Duration (part-time domestic)	1 year
Campus	Gardens Point
Domestic fee (indicative)	2020: \$12,400 per course (48 credit points)
International fee (indicative)	2020: \$17,400 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 Students starting in February can choose to enrol full-time
Course Coordinator	Associate Professor Yue Xu (Data Science), Professor Chris Drovandi (Statistical Science); ph: +61 7 3138 8822; email: sef.enquiry@qut.edu.au
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

A recognised bachelor degree (or higher) in any discipline with a minimum grade point average (GPA) score of 4.00 (on QUT's 7 point scale or equivalent).

International Entry requirements

Academic entry requirements

You must have a completed recognised bachelor degree in any discipline with a minimum grade point average score of 4.00 on QUT's 7.00 point scale (or equivalent).

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

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).

- 5 Week A runs from week 1 to 5 of semester 1
- 5 Week B runs from week commencing 27th April 2020
- 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'.

chroment and <u>census dates</u> .		
Code	Title	
Unit Set		
IFN619	Data Analytics for Strategic Decision Makers	
	lect 36 credit points from the option list:	
guide to a studies. Y choose co	s are classified in streams as a assist you in focusing your 'ou may wish to pick and ombination of units depending eeds 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	
developm	IFN556: data systems nent focus/ IFN552+IFN554: en decision making focus)	
IFN554	Databases	
systems of	IFN555: data analysis/ data development focus/ FN552 data-driven decision ocus)	
IFN555	Introduction to Programming	

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(IFN555+IFN554: data analysis/ data systems development focus/ IFN555+IFN556: data-driven decision making focus)

IFN556 Object Oriented Programming

(IFN556+IFN555: data-driven decision making focus/ IFN556+IFN552: data 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.





Graduate Certificate in Business Analysis

Year	2020
QUT code	IQ14
Duration (full-time domestic)	6 months
Duration (part-time domestic)	1 year
Total credit points	48
Dom. Start Months	October, July, April, February
Course Coordinator	
Discipline Coordinator	+61 7 3138 2000 askqut@qut.edu.au

Graduate Certificate in Business Analysis is a course designed for existing professionals who have a background working in IT, and wish to upskill in business analysis.

Domestic Entry requirements Academic entry requirements

You can gain entry into the Graduate Certificate in Business Analysis with the following:

- a completed bachelor degree (or higher qualification) in Information Technology or related discipline; or
- a completed bachelor degree (or higher qualification) in any discipline and three years full-time (or equivalent) professional work experience in an IT-related field; or
- a completed diploma (or higher qualification) in Information Technology or related discipline and two years full-time (or equivalent) professional work experience in an IT-related field; or
- five years full-time (or equivalent) professional work experience in an IT-related field.

Course structure

To meet the course requirements for the Graduate Certificate in Business Analysis, you must complete a total of 48 credit points.

Units

Advanced Business Analysis
Fundamentals of Business Process Management
Foundations of Decision Science
Enterprise Systems Lifecycle Management

Advanced Standing

Your past studies or work experience may count as credit towards your QUT Online course; we call this 'advanced standing'. That means you might not have to complete all of the units listed in your course structure and you may be able to graduate sooner.





Graduate Certificate in Computer Science

Year	2020
QUT code	IQ15
Duration (full-time domestic)	6 months
Duration (part-time domestic)	1 year
Total credit points	48
Dom. Start Months	October, July
Course Coordinator	
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Graduate Certificate in Computer Science is a course designed for existing professionals who have a background working in IT, and wish to upskill in Computer Science.

Domestic Entry requirements Academic entry requirements

You can gain entry into the Graduate Certificate in Computer Science with the following:

- a completed bachelor degree (or higher qualification) in Information Technology or related discipline; or
- a completed bachelor degree (or higher qualification) in any discipline and three years full-time (or equivalent) professional work experience in an IT-related field; or
- A completed diploma (or higher qualification) in Information Technology or related discipline and two years full-time (or equivalent) professional work experience in an IT related field; or
- five years full-time (or equivalent) professional work experience in an IT-related field.

Course structure

To meet the course requirements for the Graduate Certificate in Computer Science, you must complete a total of 48 credit points.

Micro units (6 credit point)

Object Oriented Design
Data Structures and Algorithms

Units (12 credit point)

Information Security Management Data Exploration and Mining Web and Mobile App Development

Advanced Standing

Your past studies or work experience may count as credit towards your QUT Online course; we call this 'advanced standing'. That means you might not have to complete all of the units listed in your course structure and you may be able to graduate sooner.





Graduate Certificate in Cyber Security and Networks

Year	2020
QUT code	IQ16
Duration (full-time domestic)	6 months
Duration (part-time domestic)	1 year
Total credit points	48
Dom. Start Months	October, July, April, February
Course Coordinator	
Discipline Coordinator	+61 7 3138 2000 askqut@qut.edu.au

Graduate Certficate in Cyber Security and Networks is a course designed for existing professionals who have a background in IT, and wish to upskill in cyber security.

Domestic Entry requirements Academic entry requirements

You can gain entry into the Graduate Certificate in Cyber Security and Networks with the following:

- a completed bachelor degree (or higher qualification) in Information Technology or related discipline; or
- a completed bachelor degree (or higher qualification) in any discipline and three years full-time (or equivalent) professional work experience in an IT-related field; or
- a completed diploma (or higher qualification) in Information Technology or related discipline and two years full-time (or equivalent) professional work experience in an IT related field; or
- five years full-time (or equivalent) professional work experience in an IT-related field.

Course structure

To meet the course requirements for the Graduate Certificate in Cyber Security and Networks, you must complete a total of 48 credit points.

Micro units (6 credit point)

Object Oriented Design
Data Structures and Algorithms

Units (12 credit point)

Information Security Management Network Systems Data Privacy and Security

Advanced Standing

Your past studies or work experience may count as credit towards your QUT Online course; we call this 'advanced standing'. That means you might not have to complete all of the units listed in your course structure and you may be able to graduate sooner.





Graduate Certificate in Information Technology

Year	2020
QUT code	IQ18
Duration (full-time domestic)	6 months
Duration (part-time domestic)	1 year
Total credit points	48
Dom. Start Months	October, July, February
Course Coordinator	
Discipline Coordinator	+61 7 3138 2000 askqut@qut.edu.au

Graduate Certificate in Information Technology is ideal for professionals seeking to transition into the ICT industry.

Domestic Entry requirements Academic entry requirements

You can gain entry into the Graduate Certificate in Information Technology with the following:

- a completed bachelor degree (or higher qualification) in any discipline; or
- a completed diploma (or higher qualification) in any discipline and two years full-time (or equivalent) professional work experience in an IT related field; or
- five years full-time (or equivalent) professional work experience in an IT related field.

Course structure

To meet the course requirements for the Graduate Certificate in Information Technology, you must complete a total of 48 credit points.

Micro units (6 credit points)

Computer Systems Fundamentals Systems Analysis and Design Introduction to Security and Networking Databases Introduction to Programming Object Oriented Programming Rapid Web Development Management Information Systems

Advanced Standing

Your past studies or work experience may count as credit towards your QUT Online course; we call this 'advanced standing'. That means you might not have to complete all of the units listed in your course structure and you may be able to graduate sooner.





Graduate Certificate in Project Management

Year	2020
QUT code	PM15
CRICOS	084926C
Duration (full-time)	6 months
Campus	Gardens Point
Domestic fee (indicative)	2020: \$11,600 per course (48 credit points)
International fee (indicative)	2020: \$17,300 per course (48 credit points)
Total credit points	48
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Course Coordinator	Dr Madhav Nepal; ph: +61 7 3138 8822; email: sef.enquiry@qut.edu.au
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirementsAcademic entry requirements

- A completed recognised bachelor degree (or higher) in any discipline; or
- A completed recognised diploma or higher in project or program management and at least two years (full-time equivalent) professional project management work experience; or
- Five years (full-time or equivalent) professional project or program management work experience.

International Entry requirements

Academic entry requirements

A completed recognised bachelor degree (or higher award) in any discipline with a minimum grade point average (GPA) of 4.00 (or equivalent 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 Graduate Certificate in Project Management delivers fundamental Project Management skills to those wishing to advance their knowledge in the discipline. It is designed for, both, individuals seeking to work in project management areas and for those already working in positions requiring project management.

With this course you will gain a depth of specialised knowledge and skills to manage projects across multiple industry sectors.

Designed to offer flexible study choices, the course is available fully on-line or face to face on campus. See the Study Choices information below for more detail on how you can study this course.

Course Design

The QUT Graduate Certificate in Project Management degree is designed around

a set of core project management topics that underpin the knowledge required for practice and/or further learning.

The course will provide you with advanced and specialised discipline knowledge and skills to apply appropriate solutions to project management problems. You will learn how to communicate effectively within various social, cultural and professional contexts across and within stakeholder and discipline groups.

The course structure consists of 48 credit points (4 units) of core units that can be completed in one semester of study.

Two of the units should be completed in this order:

PMN501 Project Management Essentials 1, in the first half of the semester, followed by PMN502 Project Management Essentials 2 in the second half of the semester.

Study Choices

You can study the Graduate Certificate in Project Management internally on campus at Gardens Point or externally Online. Depending on your location, you may choose to study some, or all, units Online or you may choose to attend in class at Gardens Point. When you self-enrol in a unit you must select from the list of attendance modes available that matches how you wish to study that unit. If you select the online study mode for a unit, your studies will all take place electronically, off campus. If you select to study a unit internally, you will be required to attend scheduled classes on campus.

Studying On Campus (Internally)

There are different ways you can study some project management units internally. You will be able to identify which type of internal study is offered when you self-enrol in a unit. If the unit is described as 'Internal' this typically indicates a standard delivery mode where classes will be scheduled each week for the duration of the specified teaching period. If a unit is described as Internal Block Mode, this indicates that it will be delivered in an intensive learning mode, such as whole day or weekend sessions or seminars. Please ensure you check your session dates.



Graduate Certificate in Project Management

Special Course Requirements

Students wishing to undertake online studies will require access to the necessary technology to facilitate this mode of study.

Pathways to Further Study

The QUT Graduate Certificate in Project Management is located at Level 8 of the Australian Qualifications Framework (AQF). Graduates will be eligible for entry into the Master of Project Management with a reduced course duration of 1 year.

Professional Membership

Endorsed by the Australian Institute of Project Management (AIPM).

Domestic Course structure

The QUT Graduate Certificate in Project Management degree is designed around a set of core project management topics that underpin the knowledge required for practice and/or further learning.

The units will provide you with advanced and specialised discipline knowledge and skills to apply appropriate solutions to project management problems. You will learn how to communicate effectively within various social, cultural and professional contexts across and within stakeholder and discipline groups.

The course structure consists of 48 credit points (4 units) of core units that can be completed in one semester of study.

Two of the units should be completed in this order:

PMN501 Project Management Essentials 1, in the first half of the semester, followed by PMN502 Project Management Essentials 2 in the second half of the semester.

Pathways to further study

The QUT Graduate Certificate in Project Management is located at Level 8 of the Australian Qualifications Framework (AQF). Graduates will be eligible for entry into the Master of Project Management with a reduced course duration of one year.

International Course structure

The QUT Graduate Certificate in Project Management degree is designed around a set of core project management topics that underpin the knowledge required for practice and/or further learning.

The units will provide you with advanced

and specialised discipline knowledge and skills to apply appropriate solutions to project management problems. You will learn how to communicate effectively within various social, cultural and professional contexts across and within stakeholder and discipline groups.

The course structure consists of 48 credit points (4 units) of core units that can be completed in one semester of study.

Two of the units should be completed in this order:

PMN501 Project Management Essentials 1, in the first half of the semester, followed by PMN502 Project Management Essentials 2 in the second half of the semester.

Pathways to further study

The QUT Graduate Certificate in Project Management is located at Level 8 of the Australian Qualifications Framework (AQF). Graduates will be eligible for entry into the Master of Project Management with a reduced course duration of 1 year.

Sample Structure

Code	Tiue
Full-time	course structure
PMN501	Project Management Essentials 1
PMN502	Project Management Essentials 2
Core unit PMN501 is assumed knowledge for PMN502, and should be taken in the first half of the semester of study before attempting PMN502 in the second half of the semester.	
PMN503	Systems in Project Management
PMN504	People and Projects





Graduate Certificate in Project Management

Year	2020
QUT code	PQ15
Duration (full-time)	6 months
Domestic fee (indicative)	2020: \$11,600 per year full-time (48 credit points)
International fee (indicative)	2020: \$11,600 per year full-time (48 credit points)
Total credit points	48
Start months	October, July, April, February
Int. Start Months	October, July, April, February
Course Coordinator	
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

A qualification in project management will allow you the flexibility to work in a range of industries, and is also an ideal first step on the path towards a project management career in your preferred industry.

Domestic Entry requirements Academic entry requirements

You can gain entry into the Graduate Certificate in Project Management with:

- a completed bachelor degree (or higher qualification) in any discipline; or
- a completed diploma (or higher qualification), and two years full-time (or equivalent) relevant professional work experience; or
- five years full-time (or equivalent) relevant professional work experience.

Course structure

To meet the course requirements for the Graduate Certificate in Project Management, you must complete a total of 48 credit points.

Units

Project Management Essentials 1 Project Management Essentials 2 Systems in Project Management People and Projects

Advanced Standing

Your past studies or work experience may count as credit towards your QUT Online course; we call this 'advanced standing'. That means you might not have to complete all of the units listed in your course structure and you may be able to graduate sooner.





Graduate Diploma in Information Technology

Year	2020
QUT code	IN19
CRICOS	0101556
Duration (full-time)	1 year
Duration (part-time domestic)	2 years
Campus	Gardens Point
Domestic fee (indicative)	2020: \$24,700 per year full-time (96 credit points)
International fee (indicative)	2020: \$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; ph: +61 7 3138 8822; email: sef.enquiry@qut.edu.au
Discipline Coordinator	+61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

A completed recognised bachelor degree in any discipline.

International Entry requirements

A completed recognised bachelor degree 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 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 commencing 27th April 2020
- 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 census dates'.

Code	Title
Year 1, S	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

Code	litie	
Unit List	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.



Graduate Diploma in Information Technology

- 5 Week A runs from week 1 to 5 of semester 1
- 5 Week B runs from week commencing 27th April 2020
- 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	1100
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 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 commencing 27th April 2020
- 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	2020
QUT code	IQ19
Duration (full-time domestic)	6 months
Duration (part-time domestic)	1 year
Total credit points	96
Dom. Start Months	October, July, April, February
Course Coordinator	
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Graduate Diploma in IT (Business Analysis) is an ideal way for professionals coming from a background other than IT to gain foundational knowledege in Information Technology, with a particular focus on how ICT supports Business Analysis.

Domestic Entry requirements Academic entry requirements

You can gain entry into the Graduate Diploma in Information Technology (Business Analysis) with the following:

- a completed bachelor degree (or higher qualification) in any discipline; or
- a completed diploma (or higher qualification) in a relevant area, and two years full-time (or equivalent) professional work experience in a relevant area; or
- five years full-time (or equivalent) professional work experience in a relevant area.

Course structure

To meet the course requirements for the Graduate Diploma in information Technology (Business Analysis, you must complete a total of 96 credit points.

Micro units (6 credit point)

Computer Systems Fundamentals Systems Analysis and Design Introduction to Security and Networking Databases Introduction to Programming Object Oriented Programming Rapid Web Development Management Information Systems

Core units (12 credit point)

Enterprise Systems Lifecycle Management Advanced Business Analysis Fundamentals of Business Process Management Foundations of Decision Science

Advanced Standing

Your past studies or work experience may count as credit towards your QUT Online course; we call this 'advanced standing'. That means you might not have to complete all of the units listed in your course structure and you may be able to graduate sooner.





Graduate Diploma in Information Technology (Cyber Security and Networks)

Year	2020
QUT code	IQ19
Duration (full-time domestic)	6 months
Duration (part-time domestic)	1 year
Dom. Start Months	October, July, April, February
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Graduate Diploma in Information Technology (Cyber Security and Networks) is a course designed to open up a pathway for individuals from an unrelated field of study to transition into the ICT industry, acquiring foundational discipline knowledge and specialising in cyber security.

Domestic Entry requirements Academic entry requirements

You can gain entry into the Graduate Diploma in Information Technology (Cyber Security and Networks) with the following:

- a completed bachelor degree (or higher qualification) in any discipline; or
- a completed diploma (or higher qualification) in a relevant area, and two years full-time (or equivalent) professional work experience in a relevant area; or
- five years full-time (or equivalent) professional work experience in a relevant area.

Course structure

To meet the course requirements for the Graduate Diploma in Information Technology (Cyber Security and Networks), you must complete a total of 96 credit points.

Micro units (6 credit point)

Computer Systems Fundamentals Systems Analysis and Design Introduction to Security and Networking Databases Introduction to Programming Object Oriented Programming Rapid Web Development Management Information Systems

Cyber Security units (6 credit point)

Object Oriented Design
Data Structures and Algorithms

Core units (12 credit point)

Network Systems Information Security Management Data Privacy and Security

Advanced Standing

Your past studies or work experience may count as credit towards your QUT Online course; we call this 'advanced standing'. That means you might not have to complete all of the units listed in your course structure and you may be able to graduate sooner.





Graduate Diploma in Applied Science (Medical Physics)

Year	2020
QUT code	PH71
CRICOS	020315D
Duration (full-time)	1 year
Duration (part-time)	2 years
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$9,600 per year full-time (96 credit points)
International fee (indicative)	2020: \$33,800 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
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Academic entry requirements

A completed recognised bachelor degree in physics (or equivalent qualification) or other evidence of qualifications that satisfactorily demonstrate you possess the capacity to pursue the course of study.

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.enquiry@qut.edu.au

Domestic Course structure

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 part-time 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.

International Course structure

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.

Sample Structure

Code	Title	
Year 1, Semester 1 (February to June)		
ENN515	Total Quality Management	
LSN104	Advancing Anatomy and Physiology	
PCN113	Radiation Physics	



Graduate Diploma in Applied Science (Medical Physics)

PCN211	Physics of Medical Imaging
Year 1, Semester 2 (July to October)	
PCN112	Medical Imaging Science
PCN212	Radiotherapy
PCN214	Health and Occupational Physics
PCN218	Research Methodology and Professional Studies





Master of Engineering Management

Year	2020
QUT code	BN87
CRICOS	006368G
Duration (full-time)	1 year
Duration (part-time)	2 years
Campus	Gardens Point
Domestic fee (indicative)	2020: \$25,100 per year full-time (96 credit points)
International fee (indicative)	2020: \$35,800 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 The part-time (onshore) study option is only available to non-student visa holders with a visa that permits study.
Course Coordinator	Associate Professor Azhar Karim
Discipline Coordinator	Science and Engineering Faculty +61 7 3138 8822 sef.enquiry@qut.edu.au

Domestic Entry requirements Academic entry requirements

A completed recognised four-year fulltime bachelor degree in engineering with a minimum grade point average (GPA) of 4.0 on QUT's 7-point scale.

International Entry requirements

Academic entry requirements

- A completed recognised four-year full-time bachelor degree in a relevant engineering discipline with a minimum grade point average (GPA) score of 4.0 on QUT's 7-point scale: or
- A completed recognised three-year full-time bachelor degree in a relevant engineering discipline with a minimum grade point average (GPA) score of 4.0 on QUT's 7-point scale and two years full-time professional engineering work experience.*

*Students applying on the basis of work experience must submit a current curriculum vitae and employer statements detailing roles and responsibilities.

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

To graduate with a Master of Engineering Management you are required to complete 96 credit points (8 units) consisting of:

48 credit points of core engineering management postgraduate units, including a 12 credit point advanced research skills unit and 24 credit points of research based project units

and;

48 credit points of engineering management discipline units.

International Student Entry

International students must maintain an enrolment program that will allow them to

complete their course within the specified timeframe of their eCoE (electronic Confirmation of Enrolment).

Early Exit Options

Please note: There is no early exit option available for students that enter the BN87 progam from 2015 onwards.

Pathways to Further Study

The Master of Engineering Management is located at level 9 of the Australian Qualifications Framework. Graduates that meet the GPA requirements, may be eligible to apply for discipline relevant Doctoral level studies.

International Combined Masters Packages

Students admitted to a combined masters pathway (BN87 + EN50 or BN87 + PM20) may progress to their second degree on completion of the first, and are referred to the combined package study plan for their chosen combination, available on the course websites. Separate awards are granted for each degree completed.

Domestic Course structure Course Structure

To graduate with a Master of Engineering Management you are required to complete 96 credit points (8 units) consisting of:

60 credit points of core engineering management postgraduate units, including advanced research skills and research based project units, a professional practice unit and an advanced discipline unit. Plus 36 credit points of advanced discipline and management units to be selected from a list of options.

International Course structure

To graduate with a Master of Engineering Management you are required to complete 96 credit points (8 units) consisting of:

60 credit points of core engineering management postgraduate units, including advanced research skills and research based project units, a professional practice unit and an advanced discipline unit. Plus 36 credit points of advanced discipline and management units to be selected from a list of options.



Combined masters packages for international students

If you are admitted to either of:

- Master of Engineering Management and Master of Engineering package
- Master of Engineering Management and Master of Project Management package

You can progress to the second degree on completion of the first.

You will receive an award for each degree completed.

Refer to the combined package course structure of the relevant second year degree for unit details.

International Student Entry

You must maintain an enrolment program that will allow you to complete your course within the specified timeframe of your electronic Confirmation of Enrolment (eCoE)

Sample Structure

Combined Masters Packages: Master of Engineering (EN50) plus Master of Engineering Management (BN87)

If you are admitted to this pathway, once you have completed your Master of Engineering (EN50) including BEN610/PMN610 Project Management Principles, you may progress to the Master of Engineering Management (BN87) with 24 credit points of advanced standing.

Please follow the study plan below for your combined package.

Engineering Management (BN87) plus Master of Engineering (EN50) OR Master of Engineering Management (BN87) plus Master of Project Management (PM20)

If you are admitted to one of these pathways, once you successfully complete your Master of Engineering Management (BN87), you may progress to your second program.

Please refer to the relevant course site (EN50 or PM20) for further information regarding your second degree and follow the study plan for your combined package.

Semesters

- <u>Combined Masters Program Year</u>
- BN87 Study Plan for EN50 Master of Engineering Graduates
- Engineering Management Unit

Options List

Code Title Combined Masters Program - Year 2

To undertake BN87 Master of Engineering Management in Year 2 of your combined masters program, you will have completed EN50 Master of Engineering program in Year 1. Please follow the study plan below, including advanced standing, for your Year 2 BN87 program.

BN87 Study Plan for EN50 Master of Engineering Graduates

February Entry

Year 2, Semester 1

ENN591

Project 1

Option unit - select from unit options list Option unit - select from unit options list

Year 2, Semester 2

ENN591 -2

Project 2

ENN570 Enterprise Resource Planning

Option unit - select from unit options list

Mid Year Entry

Year 2, Semester 2

ENN591 -1

Project 1

ENN570 Enterprise Resource Planning

Option unit - select from unit options list

Year 3, Semester 1

ENN591 -2

Project 2

Option unit - select from unit options list Option unit - select from unit options list

Engineering Management Unit Options List

Select 36CP from the following:

Select 24CP (2 units) from

ENN510	Management Knowledge
ENN515	Total Quality Management
ENINE 20	Asset and Facility

Management

Select 12CP (1 unit) from

AMN430	International Logistics Management
ENN510	Engineering Knowledge Management
ENN515	Total Quality Management
ENINIEGO	Asset and Facility

ENN530 Management

MGN44 Coaching for Leadership
Development

MGN50 Consulting and Change Management

PMN504 People and Projects

PMN601 Projects and Performance

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Select 24CP (2 units) from the Engineering Management Unit Options List 1
- Select 12CP (1 unit) from the Engineering Management Unit Options List 2

Code	Title
Year 1, S	emester 1
ENN541	Research Methods for Engineers
ENN591 -1	Project 1
PMN610	Project Management Principles
OR Engir Unit	neering Management Option
	ng Management Option Unit
Year 1, S	emester 2
ENN570	Enterprise Resource Planning
ENN591 -2	Project 2
PMN610	Project Management Principles
OR Engir Unit	neering Management Option
Engineeri	ng Management Option Unit
	CP (2 units) from the
Engineeri List 1	ng Management Unit Options
ENN510	Engineering Knowledge Management
ENN515	Total Quality Management
ENN530	Asset and Facility Management
Engineeri	CP (1 unit) from the ng Management Unit Options
List 2	1
AMN430	International Logistics Management
ENN510	Engineering Knowledge Management
ENN515	Total Quality Management
ENN530	Asset and Facility Management
MGN44	Coaching for Leadership



Development

Management

PMN601 Projects and Performance

PMN504 | People and Projects

MGN50

Consulting and Change

Year	2020
QUT code	EN50
CRICOS	060811A
Duration (full-time)	1 year
Duration (part-time)	2 years
Campus	Gardens Point
Domestic fee (indicative)	2020: \$26,400 per year full-time (96 credit points)
International fee (indicative)	2020: \$36,500 per year full-time (96 credit points)
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February The part-time (onshore) study option is only available to non-student visa holders with a visa that permits study.
Course Coordinator	Dr Dhammika Jayalath; ph: +61 7 3138 8822; email: sef.enquiry@qut.edu.au
Discipline Coordinator	Dr Dhammika Jayalath (Electrical), Dr Wim Dekkers (Mechanical) 3138 8822 sef.enquiry@qut.edu.au

Domestic Entry requirementsAcademic entry requirements

A completed recognised four year fulltime bachelor degree in an electrical or mechanical engineering or a related engineering area with a minimum grade point average (GPA) of 4.00 (on QUT's 7point scale).

The following areas would meet the 'related engineering area' requirement:

- Aerospace
- Aircraft Maintenance
- · Aviation, Automotive
- Biomedical
- Chemical and Materials
- · Chemical and Metallurgical
- Communication
- Computer
- Electrical
- Electronic
- · Electronic and Biomedical
- Energy
- Industrial
- Information and Communications Technology
- Instrumentation and Control
- Manufacturing
- Marine
- Maritime
- Materials
- Mechanical
- Mechatronic
- Medical
- Microelectronic
- Mining
- Naval Architecture
- Ocean
- Photonics
- Photovoltaic and Solar Energy
- Power
- Process
- Product Design
- Renewable Energy
- Robotic Software
- Telecommunications
- Tool making
- Wireless

International Entry requirements

Academic entry requirements
Electrical Engineering

A completed recognised four year fulltime Bachelor in an electrical engineering or related area with an overall grade point average of 4.0 (on QUT's 7-point scale); OR

A completed recognised three year fulltime Bachelor in an electrical engineering or related area with an overall grade point average of 4.0 (on QUT's 7-point scale) and two years full time professional work experience in Electrical Engineering. Students applying on the basis of work experience must submit a current curriculum vitae and employer statements detailing roles and responsibilities.

The following areas would meet the related area requirements for Electrical Engineering:

Aerospace, Communication, Computer, Electrical, Electronic, Electronic and Biomedical, Energy, Information and Communications Technology, Instrumentation and Control, Microelectronic, Photonics, Photovoltaic and Solar Energy, Power, Renewable Energy, Robotic Software, Telecommunications and wireless.

Mechanical Engineering

A completed recognised four year fulltime Bachelor in an Mechanical Engineering area* with an overall grade point average of 4.0 (on QUT's 7-point scale); OR

A completed recognised three year full-time Bachelor in an Mechanical Engineering area* with an overall grade point average of 4.0 (on QUT's 7-point scale) and two years full time professional work experience in Mechanical Engineering. Students applying on the basis of work experience must submit a current curriculum vitae and employer statements detailing roles and responsibilities.

The following areas would meet the 'related engineering area' requirement for mechanical Engineering: Aerospace, Aircraft Maintenance, Aviation, Automotive, Biomedical, Chemical and Materials, Chemical and Metallurgical, Industrial, Manufacturing, Marine, Maritime, Materials, Mechanical, Mechatronic, Medical, Mining, Naval Architecture, Ocean, Process, Product Design, Tool making.

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

To graduate with a Master of Engineering students are required to complete 96 credit points (8 units) of course units.

- a) 2 Core units + 2 Project units (of a specialisation area) + at least 3 electives with the same specialisation tag to claim Master of Engineering (Specialisation*);
- b) 2 Core units + 2 Project units + any 4 electives to claim Master of Engineering, i.e. no specialisation (Students fulfilling the specialisation requirement may choose not to have a specialisation in the award title)
- *Specialisation options include:
- Mechanical Engineering
- Networking & Communications

Assumed Knowledge

It is assumed upon entry to the Masters program that students are proficient in prerequisite knowledge relevant to the intended Study Area A:

- Mechanical Engineering: students are assumed to be proficient in the general areas of mechanical engineering, metallurgy, materials or relevant disciplines.
- Networking & Communications: students are assumed to be proficient in the general area of electrical, electronics, communications or relevant disciplines.

International Student Entry

International students must maintain an enrolment program that will allow them to complete their course within the specified timeframe of their eCoE (electronic Confirmation of Enrolment).

Pathways to Further Study

The Masters of Engineering is located at level 9 of the Australian Qualifications Framework. Graduates that meet the GPA requirements, may be eligible to apply for discipline relevant Doctoral level studies.

International Combined Masters Packages

Students admitted to a combined masters pathway (EN50 + PM20) may progress to their second degree on completion of the first, and are referred to the combined package study plan for their chosen combination, available on the course websites. Separate awards are granted for each degree completed.

Professional Recognition

The Master of Engineering is a postprofessional qualification and, as such, is beyond the usual qualifications required for membership of professional organisations.

Early Exit Options

Please note: There is no early exit option available for students that enter the EN50 progam from 2015 onwards.

Domestic Course structure

To graduate with a Master of Engineering you are required to complete 96 credit points of course units consisting of:

60 credit points of core engineering postgraduate units, including advanced research skills and research based project units, a professional practice unit and an advanced discipline unit. Plus 36 credit points of advanced discipline and units from your specialisation (mechanical or electrical) to be selected from a list of options.

Option units provide added depth and breadth in your chosen discipline area, as such you should select an alternate unit if you have completed a similar or equivalent unit in your previous studies.

International Course structure

To graduate with a Master of Engineering you are required to complete 96 credit points of course units consisting of:

60 credit points of core engineering postgraduate units, including advanced research skills and research based project units, a professional practice unit and an advanced discipline unit. Plus 36 credit points of advanced discipline and units from your specialisation (mechanical or electrical) to be selected from a list of options.

Option units provide added depth and breadth in your chosen discipline area, as such you should select an alternate unit if you have completed a similar or equivalent unit in your previous studies.

Combined masters packages for international students

If you are admitted to either of:

- Master of Engineering and Master of Project Management package
- Master of Engineering Management and Master of Engineering package

You can progress to the second degree on completion of the first.

You will receive an award for each degree completed.

Refer to the combined package course structure of the relevant second year degree for unit details.

International Student Entry

You must maintain an enrolment program that will allow you to complete your course within the specified timeframe of your electronic Confirmation of Enrolment (eCoE)

Sample Structure **Semesters**

- Year 1, Semester 1
- Year 1, Semester 2
- Electrical Engineering Major Unit **Options List**
- Mechanical Engineering Major Unit **Options List**

Code	Title
Year 1, S	emester 1
ENN541	Research Methods for Engineers
ENN590 -1	Project 1
PMN610	Project Management Principles
OD Flactwice I/Machanical Funcing a suing	

OR Electrical/Mechanical Engineering Major Option Unit

Electrical/Mechanical Engineering Major Ontion Unit

Option onit	
Year 1, Semester 2	
ENN543	Data Analytics and Optimisation
ENN590 -2	Project 2
PMN610	Project Management Principles

OR Electrical/Mechanical Engineering Major Option Unit

Electrical/Mechanical Engineering Major Option Unit

Electrical Engineering Major Unit **Options List**

NOTE: Option units provide added depth and breadth in your chosen discipline area, as such you should select an alternate unit if you have completed a similar or equivalent unit in your previous studies.

Select 36CP (3 units) from the Electrical **Engineering Unit Options List:**

(The units are grouped in areas to assist you in focusing your studies.)

POWER units:

EGH441 Power System Modelling

EGH448 Power Electronics

EGH454 Power Systems Management



maotor	or <u>anginooning</u>
	with Renewable & Storage Resources
31/12/20 ² Unit Option	Power Systems Analysis (disc 18) will still count as a Power on if already completed.]
NETWOF units:	RKS and COMMUNICATIONS
EGH442	RF Techniques and Applications
EGH443	Advanced Telecommunications
EGH444	Digital Signals and Image Processing
ENN523	Advanced Network Engineering
ENN524	Mobile Network Engineering
CONTRO	DL SYSTEMS units:
EGH445	Modern Control
EGH446	Autonomous Systems
ELECTR	ONICS units:
CAB420	
EGB439	
EGH449	
	Embedded Systems
	cal Engineering Major Unit
Options L	
	ption units provide added depth
	dth in your chosen discipline
area, as s	such you should select an
	unit if you have completed a
similar or previous	equivalent unit in your
•	CP (3 units) from the
	cal Engineering Unit Options
EGB415	Motor Racing Vehicle Design
EGB422	Energy Management
EGB423	Heating, Ventilation and Air
	Conditioning Advanced Computational
EGB424	Fluid Dynamics
EGB434	Tribology
EGB435	Advanced Manufacturing
EGB436	Industrial Automation
EGB485	Finite Element Analysis
EGH420	Mechanical Systems Design
EGH422	Advanced Thermodynamics
ENN531	Advanced Materials and Engineering Applications
ENN552	Solar Thermal Systems - Heat and Power
	Energy Optimised Buildings
ENN553	and Communities
Note: EN	

is not offered in 2019 onwards

Combined Masters Packages:

Master of Engineering Management (BN87) plus Master of Engineering (EN50)

If you are admitted to this pathway, once you have completed your Master of Engineering Management (BN87) including BEN610/PMN610 Project Management Principles, you may progress to the Master of Engineering (EN50) with up to 24 credit points of advanced standing.

Please follow the study plan below for your combined package.

International students on the BN87 + EN50 pathway may request an additional unit from the Addtional Unit Selections list

Master of Engineering (EN50) plus **Master of Engineering Management** (BN87) OR Master of Engineering (EN50) plus Master of Project Management (PM20)

If you are admitted to one of these pathways, once you successfully complete your Master of Engineering (EN50), you may progress to your second program.

Please refer to the relevant course site (BN87 or PM20) for further information regarding your second degree and follow the study plan for your combined package.

Semesters

February Entry

- Combined Masters Program Year
- EN50 Study Plan for BN87 Master of Engineering Management <u>Graduates</u>
- Electrical Engineering Major Unit Options List

<u>Opti</u>	hanical Engineering Major Unit ons List itional Unit Selections List
Code	Title
Combine	d Masters Program - Year 2
Engineeri masters p complete Managen follow the	take EN50 Master of ing in Year 2 of your combined orogram, you will have d BN87 Master of Engineering nent program in Year 1. Please study plan below, including d standing, for your Year 2 ogram.
	ldy Plan for BN87 Master of ing Management Graduates

Year 2, S	emester 1	
ENN590 -1	Project 1	
Option un options lis	nit - select from your major unit st	
Option un options lis	nit - select from your major unit st	
Year 2, S	emester 2	
ENN590 -2	Project 2	
ENN543	Data Analytics and Optimisation	
Option unit - select from your major unit options list		
Mid Year	Entry	
Year 2, S	emester 2	
ENN590 -1	Project 1	
ENN543	Data Analytics and Optimisation	
Option unit - select from your major unit options list		
Year 3, Semester 1		
ENN590 -2	Project 2	
Option unit - select from your major unit options list		
Option unit - select from your major unit options list		
Electrical	Engineering Major Unit	

Options List

Select 36CP (3 units) from the Electrical **Engineering Unit Options List:**

(The units are grouped in areas to assist you in focusing your studies.)

POWER UNITS:	
EGH441	Power System Modelling
EGH448	Power Electronics
EGH454	Power Systems Management with Renewable & Storage Resources

[EGH440 Power Systems Analysis (disc 31/12/2018) will still count as a Power Unit Option if already completed.]

NETWORKS AND COMMUNICATIONS UNITS:

EGH442	RF Techniques and Applications
EGH443	Advanced Telecommunications
EGH444	Digital Signals and Image Processing
ENN523	Advanced Network Engineering
ENN524	Mobile Network Engineering
CONTROL SYSTEMS UNITS	
EGH445	Modern Control

EGH446 Autonomous Systems



	ogg
ELECTRO	ONICS UNITS
CAB420	Machine Learning
EGB439	Advanced Robotics
EGH449	Advanced Electronics
EGH456	Embedded Systems
	cal Engineering Major Unit
Options L	
	CP (3 units) from the cal Engineering Unit Options
EGB415	Motor Racing Vehicle Design
EGB422	Energy Management
EGB423	Heating, Ventilation and Air Conditioning
EGB424	Advanced Computational Fluid Dynamics
EGB434	Tribology
EGB435	Advanced Manufacturing
EGB436	Industrial Automation
EGB485	Finite Element Analysis
EGH420	Mechanical Systems Design
EGH422	Advanced Thermodynamics
ENN531	Advanced Materials and Engineering Applications
ENN533	Advanced Engineering Design and Maintenance
ENN552	Solar Thermal Systems - Heat and Power
ENN553	Energy Optimised Buildings and Communities
Note: EN	N552 and ENN553 available in

Note: ENN552 and ENN553 available in alternate years of each other

Additional Unit Selections List

International students on the BN87 + EN50 pathway may request an additional unit from the list below. Please contact the faculty sef.enquiry@qut.edu.au to arrange for your selection to be added to your study plan.

PMN503	Systems in Project Management
PMN608	Managing the Project
MGN44 2	Self Leadership
IFN515	Fundamentals of Business Process Management





Master of Professional Engineering

Year	2020
QUT code	EN55
CRICOS	096754G
Duration (full-time)	2 years
Duration (part-time domestic)	4 years
Campus	Gardens Point
Domestic fee (indicative)	2020: \$30,200 per year full-time (96 credit points)
International fee (indicative)	2020: \$38,000 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 Dhammika Jayalath; ph: +61 7 3138 8822; email: sef.enquiry@qut.edu.au

International Entry requirements

Minimum English requirements

Students must meet the English proficiency requirements.

Domestic Course structure

To graduate with a Master of Professional Engineering you must complete 192 credit points of course units consisting of:

- 84 credit points of core units, including: advanced research skills and research-based project unitstwo professional practice unitsan advanced discipline unitan engineering design unit
- 108 credit points of discipline units from your specialisation, to be selected from a list of options.

Option units provide added depth and breadth in your chosen discipline area. You should select different unit if you have completed a similar or equivalent unit in your previous studies.

You are also required to undertake 60 days of approved work experience in the engineering environment as part of your Work Integrated Learning.

International Course structure

To graduate with a Master of Professional Engineering you must complete 192 credit points of course units consisting of:

- 84 credit points of core units, including: advanced research skills and research-based project unitstwo professional practice unitsan advanced discipline unitan engineering design unit
- 108 credit points of discipline units from your specialisation, to be selected from a list of options.

Option units provide added depth and breadth in your chosen discipline area. You should select different unit if you have completed a similar or equivalent unit in your previous studies.

You are also required to undertake 60 days of approved work experience in the engineering environment as part of your Work Integrated Learning.





Year	2020
QUT code	EN55
CRICOS	096754G
Duration (full-time)	2 years
Duration (part-time domestic)	4 years
Campus	Gardens Point
Domestic fee (indicative)	2020: \$30,200 per year full-time (96 credit points)
International fee (indicative)	2020: \$38,000 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 Dhammika Jayalath; ph: +61 7 3138 8822; email: sef.enquiry@qut.edu.au
Discipline Coordinator	+61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

Depending on your previous study, you may be admitted to either a 1.5-year or 2-year program. You don't need to apply separately for the 1.5 year program. You'll be automatically assessed for eligibility as part of our admissions process.

Civil, civil and construction, and civil and management streams - 1.5-year program

You'll need:

 a completed, recognised four-year full-time equivalent bachelor degree in civil engineering discipline with a minimum GPA of 4.0 (on QUT's 7 point scale).

Civil stream - 2-year program

You'll need a completed, recognised fulltime equivalent of either:

- a three-year bachelor degree in civil engineering or engineering technology (in civil engineering) with a minimum GPA of 4.0 (on QUT's 7 point scale)
- a four-year bachelor degree in any engineering discipline with a minimum GPA of 4.0 (on QUT's 7 point scale).

Civil and construction stream - 2-year program

You'll need a completed, recognised fulltime equivalent of either:

- a three-year bachelor degree in civil engineering or engineering technology (in civil engineering) with a minimum GPA of 4.0 (on QUT's 7 point scale)
- a four-year bachelor degree in any engineering discipline with a minimum GPA of 4.0 (on QUT's 7 point scale).

Civil and management stream - 2-year program

You'll need:

 a completed, recognised three- or four-year full-time equivalent bachelor degree in civil engineering or engineering technology (in civil engineering) with a minimum GPA of 4.0 (on QUT's 7 point scale).

International Entry requirements

Civil, civil and construction, and civil and management streams - 1.5-year program

You'll need:

 a completed, recognised four-year full-time equivalent bachelor degree in civil engineering discipline with a minimum GPA of 4.0 (on QUT's 7 point scale).

Civil - 2-year program

You'll need a completed, recognised fulltime equivalent of either:

- a three-year bachelor degree in civil engineering or engineering technology (in civil engineering) with a minimum GPA of 4.0 (on QUT's 7 point scale)
- a four-year bachelor degree in any engineering discipline with a minimum GPA of 4.0 (on QUT's 7 point scale).

Civil and construction stream - 2-year program

You'll need a completed, recognised fulltime equivalent of either:

- a three-year bachelor degree in civil engineering or engineering technology (in civil engineering) with a minimum GPA of 4.0 (on QUT's 7 point scale)
- a four-year bachelor degree in any engineering discipline with a minimum GPA of 4.0 (on QUT's 7 point scale).

Civil and management stream - 2-year program

You'll need:

 a completed, recognised three- or four-year full-time equivalent bachelor degree in civil engineering or engineering technology (in civil engineering) with a minimum GPA of 4.0 (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

Domestic Course structure

To graduate with a Master of Professional Engineering you must complete 192 credit points of course units consisting of:

- 84 credit points of core units, including: advanced research skills and research-based project unitstwo professional practice unitsan advanced discipline unitan engineering design unit
- 108 credit points of discipline units



from your specialisation, to be selected from a list of options.

Option units provide added depth and breadth in your chosen discipline area. You should select different unit if you have completed a similar or equivalent unit in your previous studies.

You are also required to undertake 60 days of approved work experience in the engineering environment as part of your Work Integrated Learning.

International Course structure

To graduate with a Master of Professional Engineering you must complete 192 credit points of course units consisting of:

- · 84 credit points of core units, including: advanced research skills and research-based project unitstwo professional practice unitsan advanced discipline unitan engineering design unit
- 108 credit points of discipline units from your specialisation, to be selected from a list of options.

Option units provide added depth and breadth in your chosen discipline area. You should select different unit if you have completed a similar or equivalent unit in your previous studies.

You are also required to undertake 60 days of approved work experience in the engineering environment as part of your Work Integrated Learning.

Sample Structure **Semesters**

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Select 108CP (9 units) from the Civil **Engineering Unit Options List**

Code	Title		
Year 1, S	emester 1		
PMN610	Project Management Principles		
OR Discip	OR Discipline Option Unit		
Discipline Option Unit			
Discipline Option Unit			
Discipline Option Unit			
Year 1, Semester 2			
EGH479	Advances in Civil Engineering Practice		
ENN544	Sustainable Practice in Engineering		
PMN610	Project Management Principles		
OR Discipline Option Unit (select only if			

<u> </u>	Olvilj		
PMN610	is completed)		
Discipline	Option Unit		
Year 2, S	emester 1		
ENN541	Research Methods for Engineers		
ENN592 -1	Project 1		
Discipline	Option Unit		
Discipline	Option Unit		
Year 2, S	emester 2		
ENN543	Data Analytics and Optimisation		
ENN592 -2	Project 2		
Discipline	Option Unit		
-	Option Unit		
	8CP (9 units) from the Civil		
	ng Unit Options List		
EGB473	Composite Structures		
EGB475	Advanced Structural Analysis		
EGB476	Advanced Steel Design		
EGB479	Advanced Transport Engineering		
EGB481	Infrastructure Asset Management		
EGB482	Contracting and Construction Regulations		
EGB485	Finite Element Analysis		
EGB486	Bridge Engineering		
EGB489	Advanced Transport Modelling		
EGH471	Advanced Water Engineering		
EGH472	Advanced Highway and Pavement Engineering		
EGH473	Advanced Geotechnical Engineering		
EGH475	Advanced Concrete Structures		

Semesters

Code Title

- Year 1, Semester 1
- Year 1, Semester 2 Year 2, Semester 1
- Year 2, Semester 2
- Select 48CP (4 units) Mandatory for Civil and Construction
- Select 60CP (5 units) from the Civil and Construction Unit Options List

000			
Year 1, Semester 1			
PMN610	Project Management Principles		
OR Discip	OR Discipline Option Unit		
Select fro	m Mandatory Units List		
Discipline Option Unit			
Discipline Option Unit			
Year 1, Semester 2			
ENN544	Sustainable Practice in		

	Engineering
	Advances in Civil Engineering
EGH479	Practice
PMN610	Project Management Principles
	oline Option Unit (select only if
	is completed)
	m Mandatory Units List
Year 2, S	emester 1
ENN541	Research Methods for Engineers
ENN592 -1	Project 1
Select fro	m Mandatory Units List
Discipline	Option Unit
Year 2, S	emester 2
ENN543	Data Analytics and Optimisation
ENN592 -2	Project 2
Select fro	m Mandatory Units List
	Option Unit
	CP (4 units) Mandatory for Civil
and Cons	struction
ENN510	Engineering Knowledge Management
UXH411	Programming and Scheduling
Select eit	her:
ENN530	Asset and Facility Management
OR	
ENN515	Total Quality Management
[ENN530 options.]	and ENN515 are alternate unit
Select eit	her:
UXH410	Strategic Construction Management
OR	
EGB482	Contracting and Construction Regulations
[UXH410 options.]	and EGB482 are alternate unit
	CP (5 units) from the Civil and
	tion Unit Options List
EGB482	Contracting and Construction Regulations
EGB479	Advanced Transport Engineering
EGB475	Advanced Structural Analysis
EGB486	Bridge Engineering
	Advanced Transport
EGB489	Modelling



Advanced Highway and

Pavement Engineering Advanced Geotechnical

Engineering

EGH472

EGH473

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Select 24CP (2 units) from the **Engineering Management Unit** Options List 1
- Select 24CP (2 units) from the **Engineering Management Unit** Options List 2
- Select 60CP (5 units) from the Civil **Strand Options List**

Code	Title
Year 1, S	emester 1
PMN610	Project Management Principles
OR Disci	oline Option Unit
Discipline	Option Unit
Discipline	Option Unit
Discipline	Option Unit
Year 1, S	emester 2
ENN544	Sustainable Practice in Engineering
EGH479	Advances in Civil Engineering Practice
PMN610	Project Management Principles
	oline Option Unit (select only if is completed)
Discipline	Option Unit
Year 2, S	emester 1
ENN541	Research Methods for Engineers
ENN593 -1	Project 1
Discipline	Option Unit
Discipline	Option Unit
Year 2, S	emester 2
ENN570	Enterprise Resource Planning
ENN593 -2	Project 2
Discipline	Option Unit
Discipline	Option Unit
	CP (2 units) from the ing Management Unit Options
ENN510	Engineering Knowledge Management
ENN515	Total Quality Management
ENN530	Asset and Facility Management
	CP (2 units) from the
	ing Management Unit Options
AMN430	International Logistics Management
ENN510	Engineering Knowledge Management

ENN515	Total Quality Management
ENN530	Asset and Facility Management
MGN40 9	Management Theory and Practice
MGN44 1	Coaching for Leadership Development
MGN50 5	Consulting and Change Management
PMN504	People and Projects
PMN601	Projects and Performance
	CP (5 units) from the Civil
Strand O	otions List
EGB473	Composite Structures
EGB475	Advanced Structural Analysis
EGB476	Advanced Steel Design
EGB479	Advanced Transport Engineering
EGB481	Infrastructure Asset Management
EGB482	Contracting and Construction Regulations
EGB485	Finite Element Analysis
EGB486	Bridge Engineering
EGB489	Advanced Transport Modelling
EGH471	Advanced Water Engineering
EGH472	Advanced Highway and Pavement Engineering
EGH473	Advanced Geotechnical Engineering
EGH475	Advanced Concrete Structures

Semesters

Code Title

- Year 1, Semester 1
- Year 1, Semester 2Year 2, Semester 1
- Select 60CP (5 units) from Civil **Engineering Unit Options List 1**

Year 1, Semester 1			
PMN610	Project Management Principles		
ENN541	Research Methods for Engineers		
Discipline	Discipline Option Unit		
Discipline Option Unit			
Year 1, Semester 2			
ENN544	Sustainable Practice in Engineering		
EGH479	Advances in Civil Engineering Practice		
ENN543	Data Analytics and Optimisation		
ENN592 -1	Project 1		
Year 2, Semester 1			

ENN592 -2	Project 2
Discipline	Option Unit
Discipline	Option Unit
Discipline	Option Unit
	CP (5 units) from Civil ng Unit Options List 1
EGB473	Composite Structures
EGB475	Advanced Structural Analysis
EGB476	Advanced Steel Design
EGB479	Advanced Transport Engineering
EGB481	Infrastructure Asset Management
EGB482	Contracting and Construction Regulations
EGB485	Finite Element Analysis
EGB486	Bridge Engineering
EGB489	Advanced Transport Modelling
EGH471	Advanced Water Engineering
EGH472	Advanced Highway and Pavement Engineering
EGH473	Advanced Geotechnical Engineering
EGH475	Advanced Concrete Structures

Semesters

- Year 1, Semester 1
- Year 1, Semester 2Year 2, Semester 1
- Select 48CP (4 units) Mandatory for Civil and Construction
- Select 12CP (1 unit) from the Civil and Construction Unit Options List

Code	Title	
	Year 1, Semester 1	
PMN610	Project Management Principles	
ENN541	Research Methods for Engineers	
Select fro	m Mandatory Units List	
Select fro	m Mandatory Units List	
Year 1, S	emester 2	
EGH479	Advances in Civil Engineering Practice	
ENN544	Sustainable Practice in Engineering	
ENN543	Data Analytics and Optimisation	
ENN592 -1	Project 1	
Year 2, Semester 1		
ENN592 -2	Project 2	
Select from Mandatory Units List		
Select from Mandatory Units List		



Master	of Professional Engineeni		
Discipline	Option Unit		
Select 48	Select 48CP (4 units) Mandatory for Civil		
and Cons	struction		
ENN510	Engineering Knowledge Management		
UXH411	Programming and Scheduling		
Select eit	her:		
ENN530	Asset and Facility Management		
OR			
ENN515	Total Quality Management		
[ENN530 options.]	and ENN515 are alternate unit		
Select eit	her:		
UXH410	Strategic Construction Management		
OR			
EGB482	Contracting and Construction Regulations		
[UXH410 options.]	and EGB482 are alternate unit		
	CP (1 unit) from the Civil and tion Unit Options List		
EGB482	Contracting and Construction Regulations		
EGB479	Advanced Transport Engineering		
EGB475	Advanced Structural Analysis		
EGB486	Bridge Engineering		
EGB489	Advanced Transport Modelling		
EGH472	Advanced Highway and Pavement Engineering		
EGH473	Advanced Geotechnical		

Semesters

• Year 1, Semester 1

Engineering

- Year 1, Semester 2
- Year 2, Semester 1Select 24CP (2 units) from the **Engineering Management Unit** Options List 1
- Select 24CP (2 units) from the **Engineering Management Unit** Options List 2

 • Select 12CP (1 units) from the Civil
- **Strand Options List**

Code	Title
Year 1, Semester 1	
PMN610	Project Management Principles
ENN541	Research Methods for Engineers
Discipline Option Unit	
Discipline Option Unit	
Year 1, Semester 2	
ENN544 Sustainable Practice in Engineering	

y	(CIVII)	
	EGH479	Advances in Civil Engineering Practice
	ENN570	Enterprise Resource Planning
	ENN593 -1	Project 1
	Year 2, S	emester 1
	ENN593 -2	Project 2
	Discipline	Option Unit
		Option Unit
		Option Unit
		CP (2 units) from the ng Management Unit Options
	ENN510	Engineering Knowledge Management
	ENN515	Total Quality Management
	ENN530	Asset and Facility Management
		CP (2 units) from the ng Management Unit Options
	AMN430	International Logistics Management
	ENN510	Engineering Knowledge Management
	ENN515	Total Quality Management
	ENN530	Asset and Facility Management
	MGN40 9	Management Theory and Practice
	MGN44 1	Coaching for Leadership Development
	MGN50 5	Consulting and Change Management
	PMN504	People and Projects
	PMN601	Projects and Performance
		CP (1 units) from the Civil otions List
	EGB473	Composite Structures
	EGB475	Advanced Structural Analysis
	EGB476	Advanced Steel Design
	EGB479	Advanced Transport Engineering
	EGB481	Infrastructure Asset Management
	EGB482	Contracting and Construction Regulations
	EGB485	Finite Element Analysis
	EGB486	Bridge Engineering
	EGB489	Advanced Transport Modelling
	EGH471	Advanced Water Engineering
	EGH472	Advanced Highway and Pavement Engineering
	EGH473	Advanced Geotechnical Engineering
	EGH475	Advanced Concrete

Structures





Master of Professional Engineering (Electrical)

Year	2020
QUT code	EN55
CRICOS	096754G
Duration (full-time)	2 years
Duration (part-time domestic)	4 years
Campus	Gardens Point
Domestic fee (indicative)	2020: \$30,200 per year full-time (96 credit points)
International fee (indicative)	2020: \$38,000 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 Dhammika Jayalath; ph: +61 7 3138 8822; email: sef.enquiry@qut.edu.au
Discipline Coordinator	+61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

Depending on your previous study, you may be admitted to either a 1.5-year or 2-year stream. You don't need to apply separately for the 1.5 year program. You'll be automatically assessed for eligibility as part of our admissions process.

Electrical, and electrical and management streams - 1.5-year program

You'll need:

 a completed, recognised four-year full-time equivalent bachelor degree in the electrical engineering discipline with a minimum GPA of 4.0 (on QUT's 7 point scale).

Electrical stream - 2-year program

You'll need a completed, recognised full-time equivalent of either:

- a three-year bachelor degree in electrical engineering or engineering technology (in electrical engineering) with a minimum GPA of 4.0 (on QUT's 7 point scale)
- a four-year bachelor degree in any engineering discipline with a minimum GPA of 4.0 (on QUT's 7 point scale).

Electrical and management stream - 2-year program

You'll need:

 a completed, recognised three- or four-year full-time equivalent bachelor degree in electrical engineering or engineering technology (in electrical engineering) with a minimum GPA of 4.0 (on QUT's 7 point scale).

International Entry requirements Electrical, and electrical and management stream - 1.5-year program

You'll need:

 a completed, recognised four-year full-time equivalent bachelor degree in the electrical engineering discipline with a minimum GPA of 4.0 (on QUT's 7 point scale).

Electrical stream - 2-year program

You'll need a completed, recognised full-time equivalent of either:

 a three-year bachelor degree in electrical engineering or engineering technology (in electrical engineering) with a minimum GPA

- of 4.0 (on QUT's 7 point scale)
- a four-year bachelor degree in any engineering discipline with a minimum GPA of 4.0 (on QUT's 7 point scale).

Electrical and management stream - 2-year program

You'll need:

 a completed, recognised three- or four-year full-time equivalent bachelor degree in electrical engineering or engineering technology (in electrical engineering) with a minimum GPA of 4.0 (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

Domestic Course structure

To graduate with a Master of Professional Engineering you must complete 192 credit points of course units consisting of:

- 84 credit points of core units, including: advanced research skills and research-based project unitstwo professional practice unitsan advanced discipline unitan engineering design unit
- 108 credit points of discipline units from your specialisation, to be selected from a list of options.

Option units provide added depth and breadth in your chosen discipline area. You should select different unit if you have completed a similar or equivalent unit in your previous studies.

You are also required to undertake 60 days of approved work experience in the engineering environment as part of your Work Integrated Learning.

International Course structure

To graduate with a Master of Professional Engineering you must complete 192 credit points of course units consisting of:

 84 credit points of core units, including: advanced research skills and research-based project unitstwo



Master of Professional Engineering (Electrical)

professional practice unitsan advanced discipline unitan engineering design unit

108 credit points of discipline units from your specialisation, to be selected from a list of options.

Option units provide added depth and breadth in your chosen discipline area. You should select different unit if you have completed a similar or equivalent unit in your previous studies.

You are also required to undertake 60 days of approved work experience in the engineering environment as part of your Work Integrated Learning.

Sample Structure **Semesters**

- Year 1, Semester 1
- Year 1, Semester 2 Year 2, Semester 1
- Year 2, Semester 2
- Select 108CP (9 units) from across the range of specialist areas:

the range of specialist areas.		
Code	Title	
Year 1, S	emester 1	
EGB340	Design and Practice	
Discipline	Option Unit	
Discipline	Option Unit	
Discipline	Option Unit	
Year 1, S	emester 2	
ENN544	Sustainable Practice in Engineering	
PMN610	Project Management Principles	
OR Discip	oline Option Unit	
Discipline	Option Unit	
Discipline	Option Unit	
Year 2, Semester 1		
, C		
ENN541	Research Methods for Engineers	
	Research Methods for	
ENN541 PMN610 OR Discip	Research Methods for Engineers Project Management	
ENN541 PMN610 OR Discip	Research Methods for Engineers Project Management Principles Dline Option Unit (select only in	
ENN541 PMN610 OR Discip PMN610 ENN592 -1	Research Methods for Engineers Project Management Principles oline Option Unit (select only in is completed)	
ENN541 PMN610 OR Discip PMN610 ENN592 -1 Discipline	Research Methods for Engineers Project Management Principles Dline Option Unit (select only in is completed)	
ENN541 PMN610 OR Discip PMN610 ENN592 -1 Discipline	Research Methods for Engineers Project Management Principles Dline Option Unit (select only in is completed) Project 1 Option Unit	
ENN541 PMN610 OR Discip PMN610 ENN592 -1 Discipline Year 2, S	Research Methods for Engineers Project Management Principles Dline Option Unit (select only in is completed) Project 1 Option Unit emester 2 Data Analytics and	
ENN541 PMN610 OR Discip PMN610 ENN592 -1 Discipline Year 2, S ENN543 ENN543	Research Methods for Engineers Project Management Principles Dline Option Unit (select only in is completed) Project 1 Option Unit emester 2 Data Analytics and Optimisation	
ENN541 PMN610 OR Disciple PMN610 ENN592 -1 Discipline Year 2, S ENN543 ENN543 ENN592 -2 Discipline	Research Methods for Engineers Project Management Principles Dline Option Unit (select only in is completed) Project 1 Option Unit emester 2 Data Analytics and Optimisation Project 2	

range of specialist areas:

The units are grouped in areas to assist

you in focusing your studies. You can choose units from across the areas. POWER units: EGH441 Power System Modelling **EGH448** Power Electronics Power Systems Management EGH454 | with Renewable & Storage Resources EGH440 has been discontinued and replaced with EGH454 **NETWORKS AND COMMUNICATIONS** units: RF Techniques and EGH442 Applications Advanced EGH443 Telecommunications Digital Signals and Image **EGH444** Processing Advanced Network **ENN523** Engineering ENN524 Mobile Network Engineering **CONTROL SYSTEMS units:** EGH445 Modern Control EGH446 | Autonomous Systems Advanced Unmanned Aircraft **EGH450** Systems **ELECTRONICS** units: CAB420 | Machine Learning EGB439 Advanced Robotics EGH449 Advanced Electronics EGH456 Embedded Systems Semesters Year 1, Semester 1 Year 1, Semester 2

Code

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

Title Year 1, Semester 1

- Select 24CP (2 units) from the Engineering Management Unit Options List 1
- Select 24CP (2 units) from the **Engineering Management Unit** Options List 2
- Select 60CP (5 units) from the **Electrical Strand Option List**

EGB340	Design and Practice	
Discipline	Option Unit	
Discipline	Option Unit	
Discipline Option Unit		
Year 1, S	emester 2	
ENN544	Sustainable Practice in Engineering	
PMN610	Project Management Principles	
OR Discip	oline Option Unit	
Discipline Option Unit		
Discipline Option Unit		

Year 2, S	emester 1
ENN541	Research Methods for Engineers
PMN610	Project Management Principles
OR Discip	oline Option Unit
ENN593 -1	Project 1
Discipline	Option Unit
Year 2, S	emester 2
ENN570	Enterprise Resource Planning
ENN593 -2	Project 2
Discipline	Option Unit
Discipline	Option Unit
	CP (2 units) from the
Engineeri List 1	ng Management Unit Options
ENN510	Engineering Knowledge Management
ENN515	Total Quality Management
ENN530	Asset and Facility Management
	CP (2 units) from the
Engineeri List 2	ng Management Unit Options
AMN430	International Logistics Management
ENN510	Engineering Knowledge Management
ENN515	Total Quality Management
ENN530	Asset and Facility Management
MGN44 1	Coaching for Leadership Development
MGN50 5	Consulting and Change Management
PMN504	People and Projects
PMN601	Projects and Performance
	CP (5 units) from the Electrical
Strand O	
you in foo	are grouped in areas to assist tusing your studies. You can nits from across the areas.
POWER	
EGH441 EGH448	Power System Modelling Power Electronics
EGH454	Power Systems Management with Renewable & Storage Resources
-	has been discontinued and with EGH454
-	RKS AND COMMUNICATIONS



RF Techniques and

Telecommunications

Applications

Advanced

units:

EGH442

EGH443

Master of Professional Engineering (Electrical)

EGH444 Digital Signals and Image Processing ENN523 Advanced Network Engineering ENN524 Mobile Network Engineering CONTROL SYSTEMS units: EGH445 Modern Control EGH446 Autonomous Systems EGH450 Advanced Unmanned Aircraft Systems ELECTRONICS unit: EGB439 Advanced Robotics EGH449 Advanced Electronics EGH456 Embedded Systems CAB420 Machine Learning		
ENN523 Engineering ENN524 Mobile Network Engineering CONTROL SYSTEMS units: EGH445 Modern Control EGH446 Autonomous Systems EGH450 Advanced Unmanned Aircraft Systems ELECTRONICS unit: EGB439 Advanced Robotics EGH449 Advanced Electronics EGH456 Embedded Systems	EGH444	
CONTROL SYSTEMS units: EGH445 Modern Control EGH446 Autonomous Systems EGH450 Advanced Unmanned Aircraft Systems ELECTRONICS unit: EGB439 Advanced Robotics EGH449 Advanced Electronics EGH456 Embedded Systems	ENN523	
EGH445 Modern Control EGH446 Autonomous Systems EGH450 Advanced Unmanned Aircraft Systems ELECTRONICS unit: EGB439 Advanced Robotics EGH449 Advanced Electronics EGH456 Embedded Systems	ENN524	Mobile Network Engineering
EGH446 Autonomous Systems EGH450 Advanced Unmanned Aircraft Systems ELECTRONICS unit: EGB439 Advanced Robotics EGH449 Advanced Electronics EGH456 Embedded Systems	CONTRO	L SYSTEMS units:
EGH450 Advanced Unmanned Aircraft Systems ELECTRONICS unit: EGB439 Advanced Robotics EGH449 Advanced Electronics EGH456 Embedded Systems	EGH445	Modern Control
EGH450 Systems ELECTRONICS unit: EGB439 Advanced Robotics EGH449 Advanced Electronics EGH456 Embedded Systems	EGH446	Autonomous Systems
EGB439 Advanced Robotics EGH449 Advanced Electronics EGH456 Embedded Systems	EGH450	
EGH449 Advanced Electronics EGH456 Embedded Systems	ELECTRO	ONICS unit:
EGH456 Embedded Systems	EGB439	Advanced Robotics
·	EGH449	Advanced Electronics
CAB420 Machine Learning	EGH456	Embedded Systems
	CAB420	Machine Learning

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Select 60CP (5 units) from across the range of specialist areas:

Year 1, Semester 1	
EGB340	Design and Practice
PMN610	Project Management Principles
OR Discip	oline Option Unit
Discipline	Option Unit
Discipline	Option Unit
Year 1, S	emester 2
ENN541	Research Methods for Engineers
ENN543	Data Analytics and Optimisation
ENN544	Sustainable Practice in Engineering
ENN592 -1	Project 1
Year 2, S	emester 1
Year 2, S ENN592 -2	Project 2
ENN592	
ENN592 -2 PMN610	Project 2 Project Management
ENN592 -2 PMN610 OR Discip	Project 2 Project Management Principles
ENN592 -2 PMN610 OR Discipline	Project 2 Project Management Principles pline Option Unit
ENN592 -2 PMN610 OR Discipline Discipline Select 60	Project 2 Project Management Principles Diline Option Unit Option Unit Option Unit Option Unit Option Unit
ENN592 -2 PMN610 OR Discipline Discipline Discipline Select 60 range of \$1	Project 2 Project Management Principles pline Option Unit Option Unit Option Unit CP (5 units) from across the specialist areas:
ENN592 -2 PMN610 OR Discipline Discipline Discipline Select 60 range of s The units you in foo	Project 2 Project Management Principles Diline Option Unit Option Unit Option Unit Option Unit Option Unit
ENN592 -2 PMN610 OR Discipline Discipline Discipline Select 60 range of s The units you in foo	Project 2 Project Management Principles Dline Option Unit Option Unit Option Unit Option Unit CP (5 units) from across the specialist areas: are grouped in areas to assist cusing your studies. You can nits from across the areas.
ENN592 -2 PMN610 OR Discipline Discipline Discipline Select 60 range of s The units you in foc choose u	Project 2 Project Management Principles Diline Option Unit Option Unit Option Unit Option Unit CP (5 units) from across the specialist areas: are grouped in areas to assist susing your studies. You can nits from across the areas.

	Resources
	has been discontinued and with EGH454
NETWOR units:	RKS AND COMMUNICATIONS
EGH442	RF Techniques and Applications
EGH443	Advanced Telecommunications
EGH444	Digital Signals and Image Processing
ENN523	Advanced Network Engineering
ENN524	Mobile Network Engineering
CONTRO	L SYSTEMS units:
EGH445	Modern Control
EGH446	Autonomous Systems
EGH450	Advanced Unmanned Aircraft Systems
ELECTRO	ONICS units:
CAB420	Machine Learning
EGB439	Advanced Robotics
EGH449	Advanced Electronics
EGH456	Embedded Systems

Semesters

Code

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

Title Year 1, Semester 1

- Select 24CP (2 units) from the **Engineering Management Unit** Options List 1
- Select 24CP (2 units) from the **Engineering Management Unit** Options List 2 Select 12CP (1 unit) from the
- **Electrical Strand Option List**

Design and Practice		
Project Management Principles		
oline Option Unit		
Option Unit		
Discipline Option Unit		
emester 2		
Research Methods for Engineers		
Sustainable Practice in Engineering		
Enterprise Resource Planning		
Project 1		
emester 1		
Project 2		
Project Management Principles		

OR Discip	OR Discipline Option Unit		
Discipline	Option Unit		
Discipline	Option Unit		
Select 24CP (2 units) from the Engineering Management Unit Options List 1			
ENN510	Engineering Knowledge Management		
ENN515	Total Quality Management		
ENN530	Asset and Facility Management		
	CP (2 units) from the ng Management Unit Options		
List 2			
AMN430	International Logistics Management		
ENN510	Engineering Knowledge Management		
ENN515	Total Quality Management		
ENN530	Asset and Facility Management		
MGN40 9	Management Theory and Practice		
MGN44 1	Coaching for Leadership Development		
MGN50 5	Consulting and Change Management		
PMN504	People and Projects		
PMN601	Projects and Performance		
Select 12CP (1 unit) from the Electrical Strand Option List			
The units are grouped in areas to ass you in focusing your studies. You can choose units from across the areas. POWER units:			

EGH441	Power System Modelling
EGH448	Power Electronics
EGH454	Power Systems Management with Renewable & Storage Resources
EGH440 has been discontinued and replaced with EGH454	

NETWORKS AND COMMUNICATIONS units:

EGH442	RF Techniques and Applications
EGH443	Advanced Telecommunications
EGH444	Digital Signals and Image Processing
ENN523	Advanced Network Engineering

ENN524 Mobile Network Engineering **CONTROL SYSTEMS units:**

EGH445 Modern Control EGH446 Autonomous Systems

Advanced Unmanned Aircraft EGH450 Systems

Power Systems Management

with Renewable & Storage

EGH454

ELECTRONICS unit:	
CAB420	Machine Learning
EGB439	Advanced Robotics
EGH449	Advanced Electronics
EGH456	Embedded Systems





Year	2020
QUT code	EN55
CRICOS	096754G
Duration (full-time)	2 years
Duration (part-time domestic)	4 years
Campus	Gardens Point
Domestic fee (indicative)	2020: \$30,200 per year full-time (96 credit points)
International fee (indicative)	2020: \$38,000 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 Dhammika Jayalath; ph: +61 7 3138 8822; email: sef.enquiry@qut.edu.au
Discipline Coordinator	+61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

Depending on your previous study, you may be admitted to either a 1.5-year or 2-year stream. You don't need to apply separately for the 1.5 year program. You'll be automatically assessed for eligibility as part of our admissions process.

Mechanical, and mechanical and management streams - 1.5-year program

You'll need:

 a completed recognised four-year full-time equivalent bachelor degree in the mechanical engineering discipline with a minimum GPA of 4.0 (on QUT's 7 point scale).

Mechanical stream - 2-year program

You'll need a completed recognised fulltime equivalent of either:

- a three-year bachelor degree in mechanical engineering or engineering technology (in mechanical engineering) with a minimum GPA of 4.0 (on QUT's 7 point scale)
- a four-year bachelor degree in any engineering discipline with a minimum GPA of 4.0 or higher (on QUT's 7 point scale).

Mechanical and management stream - 2-year program

You'll need:

 a completed recognised three- or four-year full-time bachelor degree in mechanical engineering or engineering technology (in mechanical engineering) with a minimum GPA of 4.0 (on QUT's 7 point scale).

International Entry requirements Mechanical, and mech

Mechanical, and mechanical and management streams - 1.5-year program

You'll need:

 a completed recognised four-year full-time equivalent bachelor degree in the mechanical engineering discipline with a minimum GPA of 4.0 (on QUT's 7 point scale).

Mechanical stream - 2-year program

You'll need a completed recognised full-time equivalent of either:

 a three-year bachelor degree in mechanical engineering or engineering technology (in

- mechanical engineering) with a minimum GPA of 4.0 (on QUT's 7 point scale)
- a four-year bachelor degree in any engineering discipline with a minimum GPA of 4.0 or higher (on QUT's 7 point scale).

Mechanical and management stream - 2-year program

You'll need:

 a completed recognised three- or four-year full-time bachelor degree in mechanical engineering or engineering technology (in mechanical engineering) with a minimum GPA of 4.0 (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	

Domestic Course structure

To graduate with a Master of Professional Engineering you must complete 192 credit points of course units consisting of:

- 84 credit points of core units, including: advanced research skills and research-based project unitstwo professional practice unitsan advanced discipline unitan engineering design unit
- 108 credit points of discipline units from your specialisation, to be selected from a list of options.

Option units provide added depth and breadth in your chosen discipline area. You should select different unit if you have completed a similar or equivalent unit in your previous studies.

You are also required to undertake 60 days of approved work experience in the engineering environment as part of your Work Integrated Learning.

International Course structure

To graduate with a Master of Professional Engineering you must complete 192 credit points of course units consisting of:

• 84 credit points of core units,



including: advanced research skills and research-based project unitstwo professional practice unitsan advanced discipline unitan engineering design unit

 108 credit points of discipline units from your specialisation, to be selected from a list of options.

Option units provide added depth and breadth in your chosen discipline area. You should select different unit if you have completed a similar or equivalent unit in your previous studies.

You are also required to undertake 60 days of approved work experience in the engineering environment as part of your Work Integrated Learning.

Sample Structure Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Select 72CP (6 units) from the Mechanical Engineering Unit Options List 1
- Select 36CP (3 units) from the Mechanical Engineering Unit Options List 2

Code	Title	
Year 1, S	emester 1	
EGB316	Design of Machine Elements	
Discipline Option Unit		
Discipline Option Unit		
Discipline Option Unit		
Year 1, Semester 2		
ENN544	Sustainable Practice in Engineering	
PMN610	Project Management Principles	
OR Discip	oline Option Unit	
Discipline	Option Unit	
Discipline	Option Unit	
Year 2, Semester 1		
	CITICS(CIT	
ENN541	Research Methods for Engineers	
	Research Methods for	
ENN541 ENN592	Research Methods for Engineers	
ENN541 ENN592 -1 PMN610	Research Methods for Engineers Project 1 Project Management	
ENN541 ENN592 -1 PMN610 OR Discip	Research Methods for Engineers Project 1 Project Management Principles	
ENN541 ENN592 -1 PMN610 OR Discipline	Research Methods for Engineers Project 1 Project Management Principles Oline Option Unit	
ENN541 ENN592 -1 PMN610 OR Discipline	Research Methods for Engineers Project 1 Project Management Principles Diine Option Unit	
ENN541 ENN592 -1 PMN610 OR Discipline Year 2, S	Research Methods for Engineers Project 1 Project Management Principles Diine Option Unit Option Unit emester 2 Data Analytics and	

Discipline Option Unit		
Select 72CP (6 units) from the		
Mechanical Engineering Unit Options List 1		
EGB415	Motor Racing Vehicle Design	
EGB422	Energy Management	
EGB423	Heating, Ventilation and Air Conditioning	
EGB424	Advanced Computational Fluid Dynamics	
EGB434	Tribology	
EGB435	Advanced Manufacturing	
EGB436	Industrial Automation	
EGB485	Finite Element Analysis	
EGH414	Stress Analysis	
EGH420	Mechanical Systems Design	
EGH421	Vibration and Control	
EGH422	Advanced Thermodynamics	
EGH423	Fluids Dynamics	
ENN531	Advanced Materials and Engineering Applications	
ENN552	Solar Thermal Systems - Heat and Power	
ENN553	Energy Optimised Buildings and Communities	
available Note: EG this cours	NN552 and ENN553 are in alternate years of each other H463 is no longer available for see from 2020. If completed it	
Select 36	ounted towards the major. ICP (3 units) from the cal Engineering Unit Options	
EGH414	Stress Analysis	
EGH420	Mechanical Systems Design	
EGH421	Vibration and Control	
EGH422	Advanced Thermodynamics	
EGH423	Fluids Dynamics	
ENN531	Advanced Materials and Engineering Applications	
ENN552	Solar Thermal Systems - Heat and Power	
ENN553	Energy Optimised Buildings and Communities	
	NN552 and ENN553 are in alternate years of each other	
this cours	H463 is no longer available for se from 2020. If completed it bunted towards the major.	
YeaYeaYea	ers r 1, Semester 1 r 1, Semester 2 r 2, Semester 1 r 2, Semester 2 sect 24CP (2 units) from the	

Options List 2

• Select 60CP (5 units) from the
Mechanical Strand Option List

Mechanical Strand Option List			
Code Title			
Year 1, Semester 1			
EGB316	Design of Machine Elements		
Discipline	Option Unit		
Discipline	Option Unit		
Discipline Option Unit			
Year 1, S	emester 2		
ENN544	Sustainable Practice in Engineering		
PMN610	Project Management Principles		
OR Disci	pline Option Unit		
Discipline Option Unit			
Discipline	Discipline Option Unit		
Year 2, S	emester 1		
ENN541	Research Methods for		
EININD4 I	Engineers		
PMN610	Project Management		
	Principles		
	pline Option Unit		
ENN593 -1	Project 1		
Discipline	Option Unit		
Year 2, S	emester 2		
ENN570	Enterprise Resource Planning		
ENINIEGO			
ENN593 -2	Project 2		
-2	Project 2 e Option Unit		
-2 Discipline			
-2 Discipline Discipline Select 24	Option Unit		
-2 Discipline Discipline Select 24 Engineer	Option Unit Option Unit CP (2 units) from the		
-2 Discipline Discipline Select 24 Engineer List 1	e Option Unit e Option Unit CP (2 units) from the ing Management Unit Options Engineering Knowledge		
-2 Discipline Discipline Select 24 Engineer List 1 ENN510	e Option Unit e Option Unit CP (2 units) from the ing Management Unit Options Engineering Knowledge Management		
Discipline Discipline Select 24 Engineer List 1 ENN510 ENN515 ENN530 Select 24	e Option Unit e Option Unit CCP (2 units) from the ing Management Unit Options Engineering Knowledge Management Total Quality Management Asset and Facility Management CCP (2 units) from the		
Discipline Discipline Select 24 Engineer List 1 ENN510 ENN515 ENN530 Select 24	e Option Unit e Option Unit CCP (2 units) from the ing Management Unit Options Engineering Knowledge Management Total Quality Management Asset and Facility Management		
Discipline Discipline Select 24 Engineer List 1 ENN510 ENN515 ENN530 Select 24 Engineer	e Option Unit e Option Unit CCP (2 units) from the ing Management Unit Options Engineering Knowledge Management Total Quality Management Asset and Facility Management CCP (2 units) from the ing Management Unit Options International Logistics Management		
Discipline Discipline Select 24 Engineer List 1 ENN510 ENN515 ENN530 Select 24 Engineer List 2	e Option Unit e Option Unit CCP (2 units) from the ing Management Unit Options Engineering Knowledge Management Total Quality Management Asset and Facility Management CP (2 units) from the ing Management Unit Options International Logistics		
Discipline Discipline Select 24 Engineer List 1 ENN510 ENN515 ENN530 Select 24 Engineer List 2 AMN430	e Option Unit e Option Unit CCP (2 units) from the ing Management Unit Options Engineering Knowledge Management Total Quality Management Asset and Facility Management CCP (2 units) from the ing Management Unit Options International Logistics Management Engineering Knowledge		
Discipline Discipline Select 24 Engineer List 1 ENN510 ENN515 ENN530 Select 24 Engineer List 2 AMN430 ENN510	e Option Unit e Option Unit CP (2 units) from the ing Management Unit Options Engineering Knowledge Management Total Quality Management Asset and Facility Management CP (2 units) from the ing Management Unit Options International Logistics Management Engineering Knowledge Management		
Discipline Discipline Select 24 Engineer List 1 ENN510 ENN515 ENN530 Select 24 Engineer List 2 AMN430 ENN510 ENN515	e Option Unit e Option Unit CCP (2 units) from the ing Management Unit Options Engineering Knowledge Management Total Quality Management Asset and Facility Management CCP (2 units) from the ing Management Unit Options International Logistics Management Engineering Knowledge Management Total Quality Management Total Quality Management Asset and Facility		
Discipline Discipline Select 24 Engineer List 1 ENN510 ENN515 ENN530 Select 24 Engineer List 2 AMN430 ENN510 ENN510 ENN510 ENN510 ENN510 MGN40	e Option Unit e Option Unit CCP (2 units) from the ing Management Unit Options Engineering Knowledge Management Total Quality Management Asset and Facility Management CCP (2 units) from the ing Management Unit Options International Logistics Management Engineering Knowledge Management Total Quality Management Asset and Facility Management Asset and Facility Management Management Theory and		
Discipline Discipline Select 24 Engineer List 1 ENN510 ENN515 ENN530 Select 24 Engineer List 2 AMN430 ENN510 ENN510 ENN510 MGN40 9 MGN44	e Option Unit e Option Unit CP (2 units) from the ing Management Unit Options Engineering Knowledge Management Total Quality Management Asset and Facility Management CP (2 units) from the ing Management Unit Options International Logistics Management Engineering Knowledge Management Total Quality Management Total Quality Management Asset and Facility Management Management Management Management Theory and Practice Coaching for Leadership		

- Select 24CP (2 units) from the Engineering Management Unit Options List 1
- Select 24CP (2 units) from the Engineering Management Unit

PMN601	Projects and Performance	
Select 60CP (5 units) from the		
Mechanical Strand Option List		
EGB415	Motor Racing Vehicle Design	
EGB422	Energy Management	
EGB423	Heating, Ventilation and Air Conditioning	
EGB424	Advanced Computational Fluid Dynamics	
EGB434	Tribology	
EGB435	Advanced Manufacturing	
EGB436	Industrial Automation	
EGB485	Finite Element Analysis	
EGH414	Stress Analysis	
EGH420	Mechanical Systems Design	
EGH421	Vibration and Control	
EGH422	Advanced Thermodynamics	
EGH423	Fluids Dynamics	
ENN531	Advanced Materials and Engineering Applications	
ENN552	Solar Thermal Systems - Heat and Power	
ENN553	Energy Optimised Buildings and Communities	
*Note: ENN552 and ENN553 are		

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Select 24CP (2 units) from the Mechanical Engineering Unit Options List 1

available in alternate years of each other Note: EGH463 is no longer available for this course from 2020. If completed it can be counted towards the major.

Select 36CP (3 units) from the Mechanical Engineering Unit Options List 2

Code	Title	
Year 1, Semester 1		
EGB316	Design of Machine Elements	
PMN610	Project Management Principles	
OR Discipline Option Unit		
Discipline Option Unit		
Discipline Option Unit		
Year 1, Semester 2		
Teal 1, 5	emester z	
ENN541	Research Methods for Engineers	
	Research Methods for	
ENN541	Research Methods for Engineers Data Analytics and	
ENN541 ENN543	Research Methods for Engineers Data Analytics and Optimisation Sustainable Practice in	

ENN592 -2	Project 2	
PMN610	Project Management Principles	
OR Discipline Option Unit		
Discipline Option Unit		
Discipline Option Unit		
	CP (2 units) from the	
	cal Engineering Unit Options	
EGB415	Motor Racing Vehicle Design	
EGB422	Energy Management	
EGB423	Heating, Ventilation and Air Conditioning	
EGB424	Advanced Computational Fluid Dynamics	
EGB434	Tribology	
EGB435	Advanced Manufacturing	
EGB436	Industrial Automation	
EGB485	Finite Element Analysis	
EGH414	Stress Analysis	
EGH420	Mechanical Systems Design	
EGH421	Vibration and Control	
EGH422	Advanced Thermodynamics	
EGH423	Fluids Dynamics	
ENN531	Advanced Materials and Engineering Applications	
ENN552	Solar Thermal Systems - Heat and Power	
ENN553	Energy Optimised Buildings and Communities	
*Note: ENN552 and ENN553 available in alternate years of each other		
Note: EGH463 is no longer available for this course from 2020.		
Select 36CP (3 units) from the Mechanical Engineering Unit Options List 2		
EGH414	Stress Analysis	
EGH420	Mechanical Systems Design	
EGH421	Vibration and Control	
EGH422	Advanced Thermodynamics	
EGH423	Fluids Dynamics	
ENN531	Advanced Materials and	

Semesters

this course from 2020.

- Select 24CP (2 units) from the **Engineering Management Unit** Options List 1
- Select 24CP (2 units) from the **Engineering Management Unit** Options List 2
- Select 12CP (1 unit) from the

 Select 12CP (1 unit) from List

 Strand Ontion List

Code Title Year 1, Semester 1 EGB316 Design of Machine Elements PMN610 Project Management Principles OR Discipline Option Unit Discipline Option Unit Discipline Option Unit Year 1, Semester 2 ENN541 Research Methods for Engineers ENN544 Engineering ENN570 Enterprise Resource Planning ENN593 Project 1 Year 2, Semester 1 ENN593 Project 2 PMN610 Project Management Principles OR Discipline Option Unit Discipline Option Unit Discipline Option Unit Discipline Option Unit Select 24CP (2 units) from the Engineering Management Unit Options List 1 ENN510 Engineering Knowledge Management ENN515 Total Quality Management ENN530 Asset and Facility Management Select 24CP (2 units) from the Engineering Management Unit Options List 2 AMN430 International Logistics Management ENN510 Engineering Knowledge Management ENN510 Total Quality Management ENN510 International Logistics Management ENN510 Asset and Facility Management ENN510 Asset and Facility Management ENN510 Management ENN510 Management ENN510 Asset and Facility Management ENN510 Management	Mechanical Strand Option List		
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ENN530 Asset and Facility Management MGN40 Management Theory and	ENN510		
MGN40 Management Theory and	ENN515	Total Quality Management	
	ENN530		
MGN44 Coaching for Leadership Development			
MGN50 Consulting and Change 5 Management		Consulting and Change	
PMN504 People and Projects		_	
PMN601 Projects and Performance			



ENN552

ENN553

• Year 1, Semester 1

and Power

and Communities *Note: ENN552 and ENN553 available in alternate years of each other

Note: EGH463 is no longer available for

Engineering Applications Solar Thermal Systems - Heat

Energy Optimised Buildings

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

Select 12CP (1 unit) from the Mechanical Strand Option List		
EGB415	Motor Racing Vehicle Design	
EGB422	Energy Management	
EGB423	Heating, Ventilation and Air Conditioning	
EGB424	Advanced Computational Fluid Dynamics	
EGB434	Tribology	
EGB435	Advanced Manufacturing	
EGB436	Industrial Automation	
EGB485	Finite Element Analysis	
EGH414	Stress Analysis	
EGH420	Mechanical Systems Design	
EGH421	Vibration and Control	
EGH422	Advanced Thermodynamics	
EGH423	Fluids Dynamics	
ENN531	Advanced Materials and Engineering Applications	
ENN552	Solar Thermal Systems - Heat and Power	
ENN553	Energy Optimised Buildings and Communities	
*Note: ENN552 and ENN553 available		

*Note: ENN552 and ENN553 available in alternate years of each other Note: EGH463 is no longer available for

this course from 2020.



Year	2020
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)	2020: \$24,700 per year full-time (96 credit points)
International fee (indicative)	2020: \$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; ph: +61 7 3138 8822; email: sef.enquiry@qut.edu.au
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

Master of Information Technology - 2 year program

A completed recognised bachelor degree in any discipline with a minimum grade point average (GPA) of 4.00 (on QUT's 7 point scale).

Master of Information Technology – 1.5 year program*

A completed recognised bachelor degree in information technology with a minimum grade point average (GPA) of 4.00 (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 year program. If you wish to be considered for the 2 year program only, please indicate this on your application form.

International Entry requirements

Master of Information Technology - 2 year program

A completed recognised bachelor degree in any discipline with a minimum grade point average (GPA) of 4.00 (on QUT's 7 point scale).

Master of Information Technology – 1.5 year program*

A completed recognised bachelor degree in information technology with a minimum grade point average (GPA) of 4.00 (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 year program. 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 Testing System)	English Language
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.

Sample Structure

(IN21 students receives exemption to these foundation 6cp units)

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 commencing 27th April 2020.
- 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 in 5-Week-D for semester 2)

Due to the shorter timeframes involved the 5 Week sessions have different enrolment and census dates'.

1.5 Year Program Enrolment

For students entering the course with the eligibility for the 1.5 year program, these core IT Foundation Units IFN551-IFN558 (8x6cp) will not be available for enrolment as you are not required to take these

units. Please proceed to the Major structure and refer to the 1.5 year Feb/July entry for your course progression guidance. Please contact the Course Coordinator for any assistance with unit selection.

Code	Title
Year 1, S	emester 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
- 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
- **Business Analysis Unit Options**
- Select 24 credit points from the

Business Analysis Unit Options List		
Code	Title	
February 2-year-entry/ July 1.5-year-entry commencements		
Year 1, S	emester 2	
IFN561	Enterprise Systems Lifecycle 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	tive Unit	
July 2-year-entry/ February 1.5-year- entry commencements		
entry con	nmencements	

Enterprise Systems Lifecycle

Management

Information - IN17 pathway entrant or IT background entrant

> the university for the real world

IFN561



IFN562	Advanced Business Analysis
MIT Elect	ive Unit
MIT Elect	ive Unit
Year 2, S	emester 2
IFN712	Research in IT Practice
IFN663	Advanced Enterprise Architecture
Business	Analysis Option unit
Year 3, S	emester 1
IFN711	IT Industry Project
Business	Analysis Option unit
MIT Elect	ive Unit
Business	Analysis Unit Options
	credit points from the 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 1.5year-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	
February 2-year-entry/ July 1.5-year-		
entry com	nmencements	
Year 1, Semester 2		
IFN515 Fundamentals of Business Process Management		
MIT Elective Unit		
MIT Elective Unit		
MIT Elective Unit		
Year 2, S	emester 1	
IFN711	IT Industry Project	
IFN650	IFN650 Business Process Analytics	
Business Process Management Option Unit		

Year 2, S	Semester 2
IFN712	Research in IT Practice
IFN652	Enterprise Business Process Management
IFN653	Business Process Automation
	ar-entry/ February 1.5-year- nmencements
Year 2, S	Semester 1
IFN515	Fundamentals of Business Process Management
MIT Elect	tive Unit
MIT Elect	tive Unit
MIT Elect	tive Unit
Year 2, S	Semester 2
IFN712	Research in IT Practice
IFN652	Enterprise Business Process Management
IFN653	Business Process Automation
Year 3, S	semester 1
IFN711	IT Industry Project
IFN650	Business Process Analytics
Business Unit	Process Management Option
Business Options	Process Management Unit
	credit points from the
	Process Management Unit
Options L	
IFN521	Foundations of Decision Science
IFN562	Advanced Business Analysis
IFN619	Data Analytics for Strategic Decision Makers
IFN623	Human Information Interaction and Retrieval
IFN662	Enterprise Systems and Applications

IN20MJR-COMPSC (60cp)

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

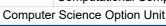
- 5 Week A runs from week 1 to 5 of semester 1
- 5 Week B runs from week commencing 27th April 2020
- 5 Week C runs from week 1 in semester 2
- 5 Week D runs from week 9 in semester 2.

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
- Computer Science Unit Options
- <u>t:</u>

Select 36 credit points from the Computer Science Unit Options Lis		
Code	Title	
	2-year-entry/ July 1.5-year- nmencements	
Year 1, S	emester 2	
IFN563	Object Oriented Design	
IFN564	Data Structures and Algorithms	
MIT Elec	tive Unit	
MIT Elec	tive Unit	
MIT Elec	tive 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	
	ar-entry/ February 1.5-year- nmencements	
Year 2, S	emester 1	
IFN563	Object Oriented Design	
IFN564	Data Structures and Algorithms	
MIT Elec	tive Unit	
MIT Elec	tive Unit	
MIT Elec	tive 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	



Computer Science Unit Options Select 36 credit points from the

Computer Science Unit Options List: **IFN507 Network Systems** IFN509 Data Exploration and Mining

Information Security IFN541 Management

IFN591	Principles of User Experience
IFN647	Text, Web and Media Analytics
IFN644	Network Operations and Security
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
- 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
- Cyber Security and Networks Unit **Options**
- Select 12 credit points from the Cyber Security and Networks Unit Ontions List:

	ions List.
Code	Title
	2-year-entry/ July 1.5-year- nmencements
Year 1, S	Semester 2
IFN507	Network Systems
IFN541	Information Security Management
MIT Elec	tive Unit
MIT Elec	tive Unit
Year 2, S	Semester 1
IFN711	IT Industry Project
IFN644	Network Operations and Security
IFN648	Applied Cryptography
Year 2, S	Semester 2
IFN712	Research in IT Practice
Cyber Se Unit	ecurity and Networks Option
MIT Elec	tive Unit
	ar-entry/ February 1.5-year- nmencements
Year 2, S	Semester 1

Information Security

Management

IFN541

MIT Elective Unit MIT Elective Unit

MIT Elective Unit

Year 2, S	emester 2	D
IFN712	Research in IT Practice	Y
IFN507	Network Systems	IF
Cyber Se Unit	curity and Networks Option	D
Year 3, S	emester 1	J
IFN711	IT Industry Project	е
IFN644	Network Operations and Security	Y
IFN648	Applied Cryptography	M
Cyber Se Options	curity and Networks Unit	N
	credit points from the Cyber and Networks Unit Options List:	Y
ENN523	Advanced Network Engineering	l IF
ENN524	Mobile Network Engineering	D
SEM-2 '2 SEM-2 20 a SEM-2 please co	N524 will not be available in 020'. A suggested alternative 020 unit is IFN667. If you need major option unit for 2020 ontact Dr Hasmukh Morarji for se advice and approval.)	IF D D
IFN591	Principles of User Experience	S
IFN657	Principles of Software Security	S
	ou have completed IFN643, ld not be taking IFN657)	IF
Note: LW	Q702 (QUT Online unit) is no	1.5

IN20MJR-DATASC (60cp)

Semesters

Code

 February 2-year-entry/ July 1.5year-entry commencements

longer part of the course, if completed prior to mid 2020 it will be permitted to count towards the major option unit

- 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

Title

Data Science Option Unit

- **Data Science Unit Options**
- Select 48 credit point from the Data Science Major Unit Options List:

February 2-year-entry/ July 1.5-year- entry commencements		
Year 1, Semester 2		
IFN509	Data Exploration and Mining	
MIT Elective Unit		
MIT Elective Unit		
MIT Elective Unit		
Year 2, Semester 1		
IFN711 IT Industry Project		

Data Sci	ence Option Unit
	Semester 2
IFN712	Research in IT Practice
Data Sci	ence Option Unit
Data Sci	ence Option Unit
	ar-entry/ February 1.5-year- nmencements
Year 2, S	Semester 1
IFN509	Data Exploration and Mining
MIT Elec	tive Unit
MIT Elec	tive Unit
MIT Elec	tive Unit
Year 2, S	Semester 2
IFN712	Research in IT Practice
Data Sci	ence Option Unit
Data Sci	ence Option Unit
Year 3, S	Compostor 1
	bernester i
IFN711	IT Industry Project
IFN711 Data Scie	IT Industry Project ence Option Unit
IFN711 Data Scie Data Scie	IT Industry Project ence Option Unit ence Option Unit
IFN711 Data Scie Data Scie	IT Industry Project ence Option Unit
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IFN711 Data Scie Data Scie Data Scie Select 48	IT Industry Project ence Option Unit ence Option Unit ence Unit Options 3 credit point from the Data
IFN711 Data Scie Data Scie Data Scie Select 48 Science	IT Industry Project ence Option Unit ence Option Unit ence Unit Options 3 credit point from the Data Major Unit Options List: Foundations of Decision
IFN711 Data Scie Data Scie Data Scie Select 48 Science IFN521	IT Industry Project ence Option Unit ence Option Unit ence Unit Options 3 credit point from the Data Major Unit Options List: Foundations of Decision Science Data Analytics for Strategic
IFN711 Data Scie Data Scie Data Scie Select 48 Science IFN521 IFN619	IT Industry Project ence Option Unit ence Option Unit ence Unit Options B credit point from the Data Major Unit Options List: Foundations of Decision Science Data Analytics for Strategic Decision Makers
IFN711 Data Scie Data Scie Data Scie Select 48 Science IFN521 IFN619 IFN645	IT Industry Project ence Option Unit ence Option Unit ence Unit Options 3 credit point from the Data Major Unit Options List: Foundations of Decision Science Data Analytics for Strategic Decision Makers Large Scale Data Mining

IN20MJR-ENTSYS (60cp)

Semesters

- February 2-year-entry/ July 1.5year-entry commencements
- Year 1, Semester 2
- Year 2, Semester 1Year 2, Semester 2
- July 2-year-entry/ February 1.5year-entry commencements
- Year 2, Semester 1Year 2, Semester 2
- Year 3, Semester 1
- Enterprise Systems Unit Options
- Select 12 credit points from the Enterprise Systems Unit Options List:

Code	Title
February 2-year-entry/ July 1.5-year-entry commencements	
Year 1, Semester 2	
IFN561	Enterprise Systems Lifecycle Management
MIT Elective Unit	
MIT Elective Unit	



MIT Elective Unit Year 2, Semester 1 IFN711 IT Industry Project IFN662 Enterprise Systems and Applications IFN667 Enterprise IoT Systems Year 2, Semester 2 IFN712 Research in IT Practice IFN663 Advanced Enterprise Architecture Enterprise Systems Option Unit July 2-year-entry/ February 1.5-year-entry commencements Year 2, Semester 1 IFN561 Enterprise Systems Lifecycle Management MIT Elective Unit MIT Elective Unit MIT Elective Unit Year 2, Semester 2 IFN712 Research in IT Practice IFN663 Advanced Enterprise Architecture Enterprise Systems Option Unit Year 3, Semester 1 IFN711 IT Industry Project IFN662 Enterprise Systems and Applications IFN667 Enterprise IoT Systems Enterprise Systems Unit Options Select 12 credit points from the Enterprise Systems Unit Options Select 12 credit points from the 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	Master	or information recrinology		
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IFN667 Enterprise IoT Systems Year 2, Semester 2 IFN712 Research in IT Practice IFN663 Advanced Enterprise Architecture Enterprise Systems Option Unit July 2-year-entry/ February 1.5-year-entry commencements Year 2, Semester 1 IFN561 Enterprise Systems Lifecycle Management MIT Elective Unit MIT Elective Unit MIT Elective Unit Year 2, Semester 2 IFN712 Research in IT Practice IFN663 Advanced Enterprise Architecture Enterprise Systems Option Unit Year 3, Semester 1 IFN711 IT Industry Project IFN662 Enterprise Systems and Applications IFN667 Enterprise IoT Systems Enterprise Systems Unit Options Select 12 credit points from the Enterprise Systems Unit Options List: IFN515 Fundamentals of Business Process Management IFN521 Foundations of Decision Science IFN541 Information Security Management IFN562 Advanced Business Analysis Data Analytics for Strategic Decision Makers IFN619 Data Analytics for Strategic Decision Makers IFN623 Human Information Interaction	IFN711	IT Industry Project		
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IFN662 Enterprise Systems and Applications IFN667 Enterprise IoT Systems Enterprise Systems Unit Options Select 12 credit points from the 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 IEN623 Human Information Interaction	Year 3, S	Semester 1		
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Select 12 credit points from the 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 IEN623 Human Information Interaction	IFN667	Enterprise IoT Systems		
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	Enterpris	e Systems Unit Options		
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IFN641 Management IFN562 Advanced Business Analysis IFN619 Data Analytics for Strategic Decision Makers IFN623 Human Information Interaction	IFN521			
IFN619 Data Analytics for Strategic Decision Makers Human Information Interaction	IFN541			
IFN619 Data Analytics for Strategic Decision Makers Human Information Interaction	IFN562	Advanced Business Analysis		
IEN623	IFN619	Data Analytics for Strategic		
	IFN623			

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 1.5year-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:

Code	Title
	2-year-entry/ July 1.5-year- mencements
Year 1, S	emester 2
IFN631	IT Governance
MIT Elect	ive Unit
MIT Elect	ive Unit
MIT Elect	ive Unit
Year 2, S	emester 1

Year 2, S	emester 1
IFN711	IT Industry Project
IFN561	Enterprise Systems Lifecycle Management
IAB402	Information Systems Consulting
/ 1 - · I A F	100. f l

(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)

Year 2, Semester 2	
IFN712	Research in IT Practice
IFN663	Advanced Enterprise Architecture
Executive IT Option Unit	

July 2-year-entry/ February 1.5-year-

entry commencements Year 2, Semester 1

IFN561	Enterprise Systems Lifecycle Management
MIT Elect	ive Unit
MIT Elective Unit	
MIT Elect	ive Unit

Year 2, Semester 2

IFN712	Research in IT Practice
IFN631	IT Governance
IFN663	Advanced Enterprise Architecture
Year 3 S	emester 1

IFN711	IT Industry Project
IAB402	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)		
Executive IT Option Unit		
Executive IT Unit Options		
Select 12 credit points from the Executive IT Unit Options List:		
IFN521	Foundations of Decision Science	
IFN619	Data Analytics for Strategic Decision Makers	
IFN623	Human Information Interaction and Retrieval	
IFN652	Enterprise Business Process Management	
IFN662	Enterprise Systems and Applications	
MGN50 5	Consulting and Change Management	
Note: LWQ704 (QUT Online unit) is no longer part of the course		

IN20MJR-SOFTDEV (60cp)

Important Enrolment Information: 6 Credit Points (cp) Units -

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 commencing 27th April 2020
- 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'.

IFN692 Prerequisite Unit Enrolment -

IFN591 Principles of User Experience is a prerequisite unit to the major core unit IFN692 Interaction Design for Emerging Technologies. Please select IFN591 in your Elective Units Option to meet IFN692 prerequiste requirement.

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 choosen 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 2Year 3, Semester 1

Code	Title
	2-year-entry/ July 1.5-year- imencements
Year 1, S	emester 2
IFN563	Object Oriented Design
IENI564	Data Structures and

MIT Elective Unit - IFN591 Principles of User Experience (prerequisite for core IFN692)

Algorithms

MIT Elective Unit

IFN564

MIT Elective Unit

Year 2, Semester 1	
IFN711	IT Industry Project
IFN666	Web and Mobile Application Development
IFN664	Advanced Algorithms and Computational Complexity

Year 2, Semester 2 IFN712 Research in IT Practice

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**

(note: select prerequisite unit IFN591 in the electives prior to taking IFN692)

July 2-year-entry/ February 1.5-yearentry commencements

Year 2, Semester 1	
IFN563	Object Oriented Design
IFN564	Data Structures and Algorithms

MIT Elective Unit - IFN591 Principles of User Experience (prerequisite for core IFN692)

MIT Elective Unit

MIT Elective Unit

Year 2, Semester 2	
IFN712	Research in IT Practice
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)		
IFN692	Interaction Design for Emerging Technologies	
(note: select prerequisite unit IFN591 in the electives prior to taking IFN692)		
Year 3, Semester 1		
IFN711	IT Industry Project	
IFN666	Web and Mobile Application Development	
IFN664	Advanced Algorithms and Computational Complexity	





Master of Information Technology - Graduate Entry

Year	2020
QUT code	IN21
CRICOS	083059E
Duration (full-time)	1.5 years
Duration (part-time domestic)	3 years
Campus	Gardens Point
Domestic fee (indicative)	2020: \$24,700 per year full-time (96 credit points)
International fee (indicative)	2020: \$34,700 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 Hasmukh Morarji; Tel: 07 3138 8822; Email: sef.enquiry@qut.edu.au
Discipline Coordinator	AskQUT +61 7 3138 2000 ask@qut.edu.au

Domestic Entry requirementsAcademic 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).

International Entry requirements

Academic 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).

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

Entry Requirements

A completed recognised Bachelor Degree in the discipline of Information Technology 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.

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;

- * Enterprise Systems
- * Security
- * Computer Science
- * Data Science
- * Business Process Management
- * Networks
- * Human Computer Interaction
- * Information Management
- * No Maior

See Major Structure Lists for overviews

Masters Strand Options

Students must complete 24 credit points of Advanced Unit Options from the Options Strand

Course Completion Rules

Students should meet the following requirements before they are able to complete the IN21 program:

- Students are required to complete 144 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 two units of electives from the list of approved elective units provided.

Sample Structure Semesters

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

Code Title
Year 1, Semester 1
Major Core Unit
Major Core Unit/ Major Option Unit



Master of Information Technology - Graduate Entry

IFN600 Understanding Research
[IFN600 is replaced by PG IT Elective
Units from 2020. Refer to the 'PG IT
Elective Unit Options' structure below
(under Unit Lists section) for list of units]

Advanced Unit Option OR IFN700 Project Management

Year 1, Semester 2

Major Core Unit/ Major Option Unit

IFN700 Project Management

[IFN700 is replaced by PG IT Elective Units from 2020. Refer to the 'PG IT Elective Unit Options' structure below (under Unit Lists section) for list of units]

OR Advanced Unit Option

IFN712 Research in IT Practice
[IFN701 is replaced by IFN712 from 2020]

Year 2, Semester 1

Advanced Unit Option

Major Core Unit/ Major Option Unit

IFN711 | IT Industry Project

[IFN702 is replaced by IFN711 from 2020]



Master of Information Science

Year	2020
QUT code	IN22
CRICOS	083058F
Duration (full-time)	2 years
Duration (part-time domestic)	4 years
Campus	Gardens Point
International fee (indicative)	2018: \$28,700 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 Ian Stoodley; ph: +61 7 3138 8822; email: sef.enquiry@qut.edu.au

Domestic Entry requirements

A completed recognised Bachelor Degree in any discipline with a minimum GPA of 4 (on a 7 point scale).

International Entry requirements

A completed recognised Bachelor Degree in any discipline with a minimum GPA of 4 (on a 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

Overview

This degree prepares you for entry into the dynamic and exiting world of the information industry. It has been designed to provide a rich and stimulating learning environment that helps you to develop the skills, knowledge and attitudes needed by contemporary information professionals. You will acquire the knowledge and expertise required to design, plan, develop, manage and evaluate information services to meet the information needs of clients. A hands-on and real world based curriculum gives you the opportunity to explore a wide range of areas within the information field and gain deep understanding within your chosen speciality such as information management or library and information practice.

You will have the opportunity to interact with peers, lecturers and the information sector through social technologies and immersive learning environments. Designed to suit your busy lifestyle the degree can be taken online or face-to-face or a mix of both – the choice is yours. This course will position you for a challenging and rewarding career in today's information-rich and technology-driven age.

Entry Requirements

Domestic students:

A completed recognised Level 7 Bachelor Degree in any discipline with a minimum

GPA of 4 (on a 7 point scale). International students:

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.

Course Completion Rules

Students should meet the following requirements before they are able to complete the IN22 program:

- Students are required to complete 192 credit points of units.
- Students are required to complete 60cp of core units comprising a research methods (12cp) unit and 48cp of research project work;
- Students are required to complete 96cp major comprising 8, 12cp units; and
- Students are required to complete 36cp of elective units including suitable units from the MBPM and the MIT

Why Study Information Science?

Through this degree you will develop a broad understanding of the information science discipline with strong skills in a major selected from Information Management, or Library and Information Practice. The degree will position you to become a professional in a rapidly changing, technology driven and information rich world, having the communication, interpersonal skills and teamwork skills needed to work effectively in a global environment.

Professional Membership

Graduate eligible for membership of the Australian Library and Information Association (ALIA)

Flexible Delivery

This degree is designed to suit your busy lifestyle. Classes run in the evenings and many of the core units can be taken online, face-to-face or a mix of both - the choice is yours.

Domestic Course structure

This degree prepares you for entry into the dynamic and exiting world of the information industry. It has been designed to provide a rich and stimulating learning environment that helps you to develop the skills, knowledge and attitudes needed by contemporary information professionals. You will acquire the knowledge and expertise required to design, plan, develop, manage and evaluate



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information services to meet the information needs of clients. A hands-on and real world based curriculum gives you the opportunity to explore a wide range of areas within the information field and gain deep understanding within your chosen speciality such as information management or library and information practice.

International Course structure

This degree prepares you for entry into the dynamic and exiting world of the information industry. It has been designed to provide a rich and stimulating learning environment that helps you to develop the skills, knowledge and attitudes needed by contemporary information professionals. You will acquire the knowledge and expertise required to design, plan, develop, manage and evaluate information services to meet the information needs of clients. A hands-on and real world based curriculum gives you the opportunity to explore a wide range of areas within the information field and gain deep understanding within your chosen speciality such as information management or library and information practice.





Master of Information Science (Information Management)

Year	2020
QUT code	IN22
CRICOS	083058F
Duration (full-time)	2 years
Duration (part-time domestic)	4 years
Campus	Gardens Point
International fee (indicative)	2018: \$28,700 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 Ian Stoodley; ph: +61 7 3138 8822; email: sef.enquiry@qut.edu.au
Discipline Coordinator	AskQUT +61 7 3138 2000 ask@qut.edu.au

Domestic Entry requirements Academic entry requirement

A completed recognised bachelor degree in any discipline with a minimum grade point average (GPA) score of 4.0 (on QUT's 7 point scale).

International Entry requirements Academic entry requirement

A completed recognised bachelor degree in any discipline with a minimum grade point average (GPA) score of 4.0 (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

Planning your enrolment and key dates

Enrolment is undertaken on your Study Plan in QUT Virtual. Read the information under the Course Structure tab, note your important enrolment key dates, then access your Study Plan to enrol. More information about Study Plans.

Overview

The Graduate Certificate in Insolvency and Restructuring:

- Will boost your career by completing this specialised qualification in insolvency and restructuring.
- Provide you with in depth knowledge to understand and manage insolvency and restructuring issues
- Is delivered by professors and practitioners who have extensive experience in insolvency and restructuring. They will share their personal expertise to benefit your career
- Is available online, Australia-wide, with optional workshops in selected major capital cities

Aim

The course aims to provide suitably qualified graduates with a unique and specialist course responding directly to the needs of Australian and international practitioners in insolvency, restructuring and turnaround solutions. Comprising three core units and the choice of one elective, the course material will be presented in mostly modular format and will be developed according to the contemporary and up-to-the-minute needs of the industry. The course will deal with corporate and personal insolvency, placing an emphasis on corporate insolvency. It will examine turnaround and restructuring options and further, will focus on the protocols in ethics and professional responsibility to be cultivated in the insolvency practitioner. The course will also work to develop a suitable sense of commercial judgement in the emerging insolvency professional.

Entry Requirements

Domestic students

A recognised Bachelor degree or higher in law, accounting, economics or finance.

International Students

The course is not available to international student visa holders. It is available in an external mode only.

English Language Requirements

IELTS Overall 6.5 (with no sub-score less than 6.0) or equivalent accepted by QUT.

2015 Course Structure

Students admitting in 2015 semester one or two will complete one unit only per semester:

Semester 1: LWN805 Restructuring, Professionalism and Ethics in Insolvency Practice

5TP4: LWN803 Cross Border Insolvency or

Semester 2: LWN804 Regulatory Issues Impacting Insolvency Practice

Course Structure

The course consists of three core units and one elective.

LWN801 Insolvency Law and Professional Practice 1; LWN802 Insolvency Law and Professional Practice 2; and LWN805 Restructuring, Professionalism



Master of Information Science (Information Management)

and Ethics in Insolvency Practice

Choose one elective unit: LWN803 Cross-Border Insolvency or LWN804 Regulatory Issues Impacting Insolvency Practice

Further study optionsThis qualification articulates into the Master of Laws (for those with a Law Degree) or the Master of Applied Law (for non-law profesionals) for additional career development. On completion of this Graduate Certificate, you can apply for four units advanced standing toward either of these Masters Programs.

More Information

School of Law Phone: 3138 2839

email: lawandjustice@qut.edu.au





Master of Information Science (Library and Information Practice)

Year	2020
QUT code	IN22
CRICOS	083058F
Duration (full-time)	2 years
Duration (part-time domestic)	4 years
Campus	Gardens Point
International fee (indicative)	2018: \$28,700 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 lan Stoodley; ph: +61 7 3138 8822; email: sef.enquiry@qut.edu.au
Discipline Coordinator	AskQUT +61 7 3138 2000 ask@qut.edu.au

Domestic Entry requirements Academic entry requirement

A completed recognised bachelor degree in any discipline with a minimum grade point average (GPA) score of 4.0 (on QUT's 7 point scale).

International Entry requirements Academic entry requirement

A completed recognised bachelor degree in any discipline with a minimum grade point average (GPA) score of 4.0 (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

Overview

Librarians empower people by connecting them with information. Libraries provide access to information and technology, as well as programs and services that support business, government and education. They support individuals' lifelong learning and leisure pursuits and assist people to develop literacies.

This degree will prepare you for a rewarding career as a librarian. It has been designed to provide a dynamic, rich and stimulating learning experience that helps you to develop the skills, knowledge and attitudes needed by contemporary information professionals. You will learn how to design, plan, implement, manage and evaluate information services to meet the needs of clients. You will also learn about the management, curation and preservation of information artifacts, as well as the applications of emerging technologies in information practice. In addition to core skills and knowledge related to information practice, you will develop the communication, interpersonal and teamwork skills needed to work effectively in a global environment.

A hands-on, real world based curriculum gives you the opportunity to explore the information professions broadly and to

gain a deep understanding of library and information practice.

Flexible Learning

This degree is designed to suit your busy lifestyle. Our flexible approach to teaching allows you to study online or face-to-face, or a mix of both. A blend of on campus classes, online classes, and class recordings provide you with options for how, when and where you engage with unit material.

Why choose this course?

Are you looking for a career in librarianship or the information professions more broadly? In this rapidly changing, technology driven and information rich age, careers in the information professions are varied and exciting. In this course, you will explore the interrelationships between information, technology and people and develop specialist skills and knowledge that will equip you for a variety of roles in the information professions.

Our innovative, flexible approaches to teaching and learning allow you to balance study with your other commitments.

Real world learning

The degree aims to prepare students for work as information professional through a program of study that balances theoretical content, project based experiences and industry orientated perspectives.

During your studies, you will:

- Undertake authentic learning and assessment activities that set the key learning activities within actual libraries and information centres or interacting directly with industry practitioners.
- Hear from invited speakers who present their own employment situation as an example of the topic or theme covered in the class
- Explore real world or research inspired problems within units.
- Undertake industry based research projects, undertaken with both an industry supervisor and an academic supervisor.
- Participate in the QUT Career Mentoring Scheme where students are partnered with a current industry practitioner for 6 months.

Career outcomes

As a graduate of this course, you will be ready to take on a career as a librarian, specialist librarian, database manager,





Master of Information Science (Library and Information Practice)

web content manager, information architect, cataloguer, knowledge manager, or intranet manager.

Employment opportunities are extensive. Your ALIA accredited qualification can take you into a range of libraries, including

- · academic libraries
- · public libraries
- state and national libraries
- special libraries and information centres such as
- o law libraries
- o health and medical centres
- o music libraries.

Opportunities also exist beyond traditional library contexts, including careers in

- knowledge management
- · records management
- · web and intranet development
- · research, development and policy.

Professional recognition

As a graduate, you will be eligible for membership of the Australian Library and Information Association (ALIA).

Research pathways

This Masters degree provides a pathway to a research degree (Research Masters, Professional Doctorate or PhD). Students who successfully complete IFN600 Research Based Practice and a 48 credit point research project are encouraged to apply for enrolment in a doctoral program. IN22 provides direct pathways for entry to a PhD program as well as to the Faculty's Professional Doctorate, Doctor of Information Technology.

Sample Structure

Semesters

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

Code	Title	
Year 1, Semester 1		
IFN610	Management Issues for Information Professionals	
IFN611	Information Retrieval	
IFN612	Emerging Technologies for Information Practice	
IFN620	Professional Practice	
Year 1, Semester 2		
IFN614	Information Programs	
IFN615	Information Management	
IFN616	Online Information Services	
IFN617	Managing and Organising Collections	
Year 2 Semester 1		

IFN600	Understanding Research	
[IFN600 is replaced by]		
IFN711	IT Industry Project	
[IFN702 is 2020]	s replaced by IFN711 from	
Select 1 unit from the Information Science Options List		
Year 2, S	emester 2	
IFN712	Research in IT Practice	
[IFN701 is 2020]	s replaced by IFN701 from	
Select 1 unit from the Information Science Options List		
	unit from the Information Options List	





Master of Business Process Management

Year	2020
QUT code	IN23
CRICOS	062622A
Duration (full-time)	1.5 years
Duration (part-time domestic)	3 years
Campus	Gardens Point
Domestic fee (indicative)	2020: \$24,800 per year full-time (96 credit points)
International fee (indicative)	2020: \$34,700 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; ph: +61 7 3138 8822; email: sef.enquiry@qut.edu.au
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirementsAcademic entry requirements

A completed recognised bachelor degree (or higher) in business or information technology with a minimum grade point average (GPA) score of 4.0 (on QUT's 7 point scale); *or*

A completed recognised bachelor degree (or higher) in any discipline with a minimum grade point average (GPA) score of 4.0 (on QUT's 7 point scale) and five (5) years industry experience in business, information technology or business process management.

International Entry requirements

A completed recognised bachelor degree in business or information technology with a minimum grade point average (GPA) score of 4.0 (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 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.



Master of Business Process 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

Students planning to undertake IFN653 in Semester 2 2020 should contact your Course Coordinator Syed Abbas Zaidi <r.syed@qut.edu.au>

Semesters

- Note:
- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1

Code	Title	
Note:		
Students planning to undertake IFN653 in Semester 2 2020 should contact your Course Coordinator Syed Abbas Zaidi		
Year 1, S	emester 1	
IFN515	Fundamentals of Business Process Management	
Master BPM Option Unit		
Master BPM Option Unit		
Master BPM Option Unit		
Year 1, Semester 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		



Master of Data Analytics

Year	2020
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)	2020: \$24,700 per year full-time (96 credit points)
International fee (indicative)	2020: \$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	Associate Professor Yue Xu (Data Science), Professor Chris Drovandi (Statistical Science); ph: +61 7 3138 8822; email: sef.enquiry@qut.edu.au
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Academic entry requirements 1.5 year program

You must have 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).

2 year program

You must have a completed recognised bachelor degree in any discipline with a minimum grade point average of 4.0 (on QUT's 7 point scale).

Note: You don't need to apply separately for the 1.5 year program. You'll be automatically assessed for eligibility as part of our admission process.

International Entry requirements

Academic entry requirements 1.5 year program

You must have 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).

2 year program

You must have a completed recognised bachelor degree in any discipline with a minimum grade point average of 4.0 (on QUT's 7 point scale).

Note: As part of our admission process, we will automatically assess you for the 1.5-year program. If you want to be considered for the 2 year program only, 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

Domestic Course structure

You must complete 192 credit points of course units, consisting of:

- 48 credit points of core units
- 48 credit points of professional

- preparation units
- 48 credit points of advanced units
- 48 credit points of elective units selected from an approved list.

Selecting your units

When you finish this course, you will emerge with skills and a specialisation in one of:

- · data analysis
- data systems development
- · data-driven decision making.

The group of units listed below are a suggestion, students may wish to pick and choose combination of units depending on their needs and interests.

Data analysis

As a data analyst, you apply your data mining and modelling skills to perform analysis of data to inform evidence-based decision making. You will be experienced in understanding and using statistical methods in this process. You will use appropriate tools to create data visualisations that effectively communicate data-driven insights to broader audiences.

Suggested professional preparation and advanced unit selection:

- Databases (IFN554) + Introduction to Programming (IFN555)
- Data Exploration and Mining (IFN509)
- Biomedical Data Science (IFN646)
- Text, Web and Media Analytics (IFN647)
- Statistical Data Analysis (MXN500)
- Stochastic Modelling (MXN501)
- Advanced Statistical Data Analysis (MXN600)
- Advanced Stochastic Modelling (MXN601).

Data systems development

As a data systems development professional, you will use highly technical skills to architect computationally efficient data analysis solutions to reveal insights that can't be achieved with existing methods and tools.

Suggested professional preparation and advanced units selection:

- Systems Analysis and Design (IFN552) + Object Oriented Programming (IFN556)
- Databases (IFN554) + Introduction to Programming (IFN555)
- Data Exploration and Mining (IFN509)
- Data Mining Technology and Applications (IFN645)
- Biomedical Data Science (IFN646)
- Advanced Information Storage and



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Retrieval (IFN647)

- Statistical Data Analysis (MXN500)
- Advanced Statistical Data Analysis (MXN600)

Data-driven decision-making

As a data-driven decision maker, you'll use insights provided by data analysts for forecasting future demand, risk assessment, and the development of business insights. Your broad knowledge of data science tools and techniques is employed to interpret results and design new solutions to drive business transformation.

Suggested professional preparation and advanced units selection:

- Introduction to Programming (IFN555) + Object Oriented Programming (IFN556)
- Data Exploration and Mining (IFN509)
- Fundamentals of Business Process Management (IFN515)
- · Data Mining Technology and Applications (IFN645)
- · Advanced Information Storage and Retrieval (IFN647)
- Business Process Analytics (IFN650)
- Statistical Data Analysis (MXN500)
- Advanced Statistical Data Analysis (MXN600)

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

You must complete 192 credit points of course units, consisting of:

- 48 credit points of core units
- 48 credit points of professional preparation units
- 48 credit points of advanced units
- · 48 credit points of elective units selected from an approved list.

Selecting your units

When you finish this course, you will emerge with skills and a specialisation in one of:

- data analysis
- · data systems development
- · data-driven decision making.

The group of units listed below are a suggestion, students may wish to pick and choose combination of units depending on their needs and interests.

Data analysis

As a data analyst, you apply your data mining and modelling skills to perform analysis of data to inform evidence-based decision making. You will be experienced in understanding and using statistical methods in this process. You will use appropriate tools to create data visualisations that effectively communicate data-driven insights to broader audiences.

Suggested professional preparation and advanced units selection:

- Databases (IFN554) + Introduction to Programming (IFN555)
- Data Exploration and Mining (IFN509)
- Biomedical Data Science (IFN646)
- Text, Web and Media Analytics (IFN647)
- Statistical Data Analysis (MXN500)
- Stochastic Modelling (MXN501)
- Advanced Statistical Data Analysis (MXN600)
- Advanced Stochastic Modelling (MXN601).

Data systems development

As a data systems development professional, you will use highly technical skills to architect computationally efficient data analysis solutions to reveal insights that can't be achieved with existing methods and tools.

Suggested professional preparation and advanced units selection:

- Systems Analysis and Design (IFN552) + Object Oriented Programming (IFN556)
- Databases (IFN554) + Introduction to Programming (IFN555)
- Data Exploration and Mining (IFN509)
- Data Mining Technology and Applications (IFN645)
- Biomedical Data Science (IFN646)
- Advanced Information Storage and Retrieval (IFN647)
- Statistical Data Analysis (MXN500)
- Advanced Statistical Data Analysis (MXN600)

Data-driven decision-making

As a data-driven decision maker, you'll use insights provided by data analysts for forecasting future demand, risk assessment, and the development of business insights. Your broad knowledge of data science tools and techniques is employed to interpret results and design new solutions to drive business transformation.

Suggested professional preparation and advanced units selection:

 Introduction to Programming (IFN555) + Object Oriented

Programming (IFN556)

- Data Exploration and Mining (IFN509)
- **Fundamentals of Business Process** Management (IFN515)
- Data Mining Technology and Applications (IFN645)
- Advanced Information Storage and Retrieval (IFN647)
- Business Process Analytics (IFN650)
- Statistical Data Analysis (MXN500)
- Advanced Statistical Data Analysis (MXN600)

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

- Core Units
- Professional Preparations Units
- **Advanced Units**
- Elective Units

Code	Title	
Core Units		
INN700	Introduction to Research	
[IFN600 is replaced by INN700 from 2020]		
IFN619	Data Analytics for Strategic Decision Makers	
IFN703	Advanced Project	
IFN704	Advanced Project 2	
Professional Preparations Units		

Select 48 credit points from the options list:

IFN509 Data Exploration and Mining (note: IN27 student who have completed 96cp by 2020 can apply for prerequisite waiver for IFN509).

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IFN515	Process Management
IFN552	Systems Analysis and Design
IFN554	Databases
IFN555	Introduction to Programming
IFN556	Object Oriented Programming
MXN500	Statistical Data Analysis
MXN501	Stochastic Modelling

NOTE: IFN501 Programming Fundamental (data systems development focus) is permitted to count towards this unit option if completed prior to 2020.

Advanced Units

Select 48 credit points from the options



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IFN645	Large Scale Data Mining
IFN646	Biomedical Data Science
IFN647	Text, Web and Media Analytics
IFN650	Business Process Analytics
MXN600	Advanced Statistical Data Analysis
MXN601	Advanced Stochastic Modelling

	•		
Elective Units			
Select 48 list:	Select 48 credit points from the options list:		
AMN425	Digital Strategy and Analytics		
CAB401	High Performance and Parallel Computing		
CAB420	Machine Learning		
CAB432	Cloud Computing		
IFN521	Foundations of Decision Science		
IFN552	Systems Analysis and Design		
IFN554	Databases		
IFN563	Object Oriented Design		
IFN564	Data Structures and Algorithms		
[IFN505 is replaced by IFN563 (6cp) and IFN564 (6cp) in 2020]			
IFN623	Human Information Interaction and Retrieval		

Please note:

IFN666

MXN442

The following units which have been discontinued will count as elective options if completed:

Development

Techniques

MXN402 AMSI Unit 1

Web and Mobile Application

Modern Statistical Computing

IFN660 Programming Language Theory IFN661 Mobile and Pervasive Systems



Master of Applied Science (Medical Physics)

Year	2020
QUT code	PH80
CRICOS	043548G
Duration (full-time)	1.5 years
Duration (part-time domestic)	3 years
Campus	Gardens Point
Domestic fee (indicative)	2020 CSP \$9,600 per year full-time (96 credit points)
International fee (indicative)	2020: \$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	Dr Andrew Fielding; ph: +61 7 3138 8822; email: sef.enquiry@qut.edu.au
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Academic entry requirements

- A completed recognised bachelor degree (or higher award) in physics or bachelor degree in science with a major in physics; or
- Applicants with other qualifications (eg medical engineering) may enrol with the approval of the course coordinator. In some instances, a modified program may be necessary.

International Entry requirements

Academic entry requirements

A completed recognised bachelor degree (or higher award) in physics or in science with a major 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

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.

Domestic Course structure

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 part-time 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.

International Course structure

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.

Sample Structure Semesters

- STAGE 1: Students must complete units from the list below, totalling 96 credit points:
- Year 1, Semester 1 (February to June)
- Year 1, Semester 2 (July to October)
- STAGE 2: Project over One Semester or Summer Program

Code	Title	
STAGE 1: Students must complete units from the list below, totalling 96 credit points:		
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, Semester 2 (July to October)		
PCN112	Medical Imaging Science	
PCN212	Radiotherapy	
PCN214	Health and Occupational Physics	
PCN218	Research Methodology and Professional Studies	
STAGE 2: Project over One Semester or		





Master of Applied Science (Medical Physics)

Summer Program

PCN520 Project (FT)





Master of Project Management

Year	2020
QUT code	PM20
CRICOS	084927B
Duration (full-time)	1.5 years
Duration (part-time domestic)	3 years
Campus	Gardens Point
Domestic fee (indicative)	2020: \$23,100 per year full-time (96 credit points)
International fee (indicative)	2020: \$34,500 per year full-time (96 credit points)
Total credit points	144
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Course Coordinator	Dr Madhav Nepal; ph: +61 7 3138 8822; email: sef.enquiry@qut.edu.au
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirementsAcademic entry requirements

1.5 year program

A completed recognised:

- bachelor degree (or higher) in engineering, built environment or business; or
- bachelor degree (or higher) in any discipline with at least 6 months (full-time or equivalent) professional project management work experience; or
- diploma or higher in project or program management and at least two years full-time equivalent professional project management work experience; or

Five years (full-time equivalent) professional project or program management work experience.

1 year program

A completed recognised:

- bachelor honours degree (or higher) in project management, engineering, built environment or business; or
- bachelor honours degree (or higher) in any other discipline with at least six months (full time equivalent) professional project management work experience; or

Successful completion of QUT's <u>Graduate</u> <u>Certificate in Project Management</u> course. Units completed in the graduate certificate are credited to the masters degree (total 1.5 years duration).

You will be automatically assessed for eligibility to the one year program as part of QUT's application for admission process.

International Entry requirements

Academic entry requirements

1.5 year program

A completed recognised:

- bachelor degree (or higher) in engineering, built environment or business disciplines with a minimum grade point average (GPA) of 4.00 (or equivalent on QUT's 7 point scale); or
- bachelor degree in any discipline with a minimum grade point average (GPA) of 4.00 (or equivalent on QUT's 7 point scale); and at least 6 months (full-time or equivalent) working in project management. Students applying on the basis of work experience must submit a

detailed CV, position details and employment statements; *or*

1 year program

A completed recognised:

- 4 year bachelor in engineering or built environment disciplines with a minimum grade point average of 4.0 (on QUT's 7 point scale); or
- graduate certificate, graduate diploma or masters in engineering, built environment or business disciplines with a minimum grade point average of 4.0 (on QUT's 7 point scale); or
- graduate certificate, graduate diploma or masters in any discipline with a minimum grade point average of 4.0 (on QUT's 7 point scale) and at least 6 months (full-time or equivalent) working in project management. Students applying on the basis of work experience must submit a detailed CV, position details and employment statements; or
- Australian bachelor honours degree (or higher) in engineering, built environment or business disciplines with a minimum grade point average of 4.0 (on QUT's 7 point scale); or
- Australian bachelor honours degree (or higher) in any discipline with a minimum grade point average of 4.0 (on QUT's 7 point scale) and at least 6 months (full-time or equivalent) working in project management. Students applying on the basis of work experience must submit a detailed CV, position details and employment statements;
- Successful completion of QUT's <u>Graduate Certificate of Project</u> <u>Management</u> course with a minimum grade point average (GPA) score of 4.00 (or equivalent on QUT's 7 point scale); or
- Successful completion of QUT's Graduate Certificate in Communication for Engineering with a minimum grade point average of 4.0 (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 QUT Master of Project Management is designed for Project Managers and project management cognate professionals from a wide range of industries; including engineering and the resources sector.

With this course you will gain the advanced discipline knowledge and skills to lead and project manage large and complex projects across multiple industry sectors.

Designed to offer flexible study choices, the course content is available in a variety of blended learning delivery modes including online, face to face on campus and block learning. See the Study Choices information below for more detail on how you can study this course.

Course Design

The MPM is designed around a set of core project management topics that underpin the knowledge required for the more advanced discipline units. The course will provide you with the critical skills to apply advanced knowledge of contemporary project management research and practice, and creatively solve complex project management problems. You will learn to communicate effectively within various social, cultural and professional contexts across and within stakeholder and discipline groups. You will demonstrate leadership, effective management and co-ordination of project teams and be able to work independently, ethically and collaboratively.

The course structure consists of 144 credit points (12 units) arranged as follows:

1) 48 credit points (4 units) of core project management units:

Two of these units should be completed in this order: PMN501 Project Management Essentials 1, in the first half of the semester, followed by PMN502 Project Management Essentials 2 in the second half of the semester.

2) 96 credit points (8 units) of core advanced discipline units:

Your skills and knowledge are developed through the advanced discipline and 'Project Investigation' units and further honed in PMN608 Managing the Project, the capstone unit. PMN608 should be taken in the last semester of study.

Study Choices

You can study PMN501, PMN502, PMN503 and PMN504 in the Master of Project Management internally on campus at Gardens Point or externally Online. When you self-enrol in a unit you must select from the list of attendance modes available that matches how you wish to study that unit. If you select the online study mode for a unit, your studies will all take place electronically, off campus. If you select to study a unit internally, you will be required to attend scheduled classes on campus.

Studying On Campus (Internally)

There are different ways you can study some project management units internally. You will be able to identify which type of internal study is offered when you self-enrol in a unit. If a unit is described as 'Internal' this typically indicates a standard delivery mode where classes will be scheduled each week for the duration of the specified teaching period. If a unit is described as Internal Block Mode, this indicates that it will be delivered in an intensive learning mode, such as whole day or weekend sessions or seminars. Please ensure you check your session dates.

Special Course Requirements

Students wishing to undertake units through online study will require the necessary technology to facilitate this mode of study.

Pathways to Further Study

The QUT Master of Project Management is located at Level 9 of the Australian Qualifications Framework (AQF). Graduates may be eligible for discipline relevant Doctoral level studies.

International Combined Masters Packages

Students admitted to a combined masters pathway (BN87 + PM20 or EN50 + PM20) may progress to their second degree on completion of the first, and are referred to the combined package study plan for their chosen combination, available on the course websites. Separate awards are granted for each degree completed.

Professional Membership

Endorsed by the Australian Institute of Project Management (AIPM).

Domestic Course structure

The Master of Project Management is designed around a set of core project management topics that underpin the

knowledge required for the more advanced discipline units. The course will provide you with the critical skills to apply advanced knowlege of contemporary project management research and practice and creatively solve complex project management problems. You will learn to communicate effectively within various social, cultural and professional contexts across and within stakeholder and discipline groups. You will demonstrate leadership, effective management and coordination of project teams and be able to work independently, ethically and collaboratively.

The course structure consists of 144 credit points (12 units) arranged as follows:

1) 48 credit points (4 units) of core foundation units.

Two of these units should be completed in this order: PMN501 Project Management Essentials 1, in the first half of the semester, followed by PMN502 Project Management Essentials 2 in the second half of the semester.

- 2) 48 credit points (4 units) of core project management units including research comprising investigation and project units (24cps) and a capstone unit (12cps).
- 3) 48 credit points (4 units) of advanced discipline units

Your skills and knowledge are developed though the advanced discipline and Project Investigation units and further honed in PMN608 Managing the Project, the capstone unit. PMN608 should be taken in the last semester of study.

Pathways to further study

The QUT Master of Project Management is located at Level 9 of the Australian Qualifications Framework (AQF). Graduates may be eligible for discipline relevant doctoral level studies.

International Course structure

The Master of Project Management is designed around a set of core project management topics that underpin the knowledge required for the more advanced discipline units. The course will provide you with the critical skills to apply advanced knowlege of contemporary project management research and practice and creatively solve complex project management problems. You will learn to communicate effectively within



Master of Project Management

various social, cultural and professional contexts across and within stakeholder and discipline groups. You will demonstrate leadership, effective management and coordination of project teams and be able to work independently, ethically and collaboratively.

The course structure consists of 144 credit points (12 units) arranged as follows:

1) 48 credit points (4 units) of core foundation units.

Two of these units should be completed in this order: PMN501 Project Management Essentials 1, in the first half of the semester, followed by PMN502 Project Management Essentials 2 in the second half of the semester.

- 2) 48 credit points (4 units) of core project management units including research comprising investigation and project units (24cps) and a capstone unit (12cps).
- 3) 48 credit points (4 units) of advanced discipline units

Your skills and knowledge are developed though the advanced discipline and 'Project Investigation' units and further honed in PMN608 Managing the Project, the capstone unit. PMN608 should be taken in the last semester of study.

Pathways to further study

The QUT Master of Project Management is located at Level 9 of the Australian Qualifications Framework (AQF). Graduates may be eligible for discipline relevant doctoral level studies.

Combined masters packages for international students

If you are admitted to either of:

- Master of Engineering and Master of Project Management package
- Master of Engineering Management and Master of Project Management package

you can progress to the second degree on completion of the first.

You will receive an award for each degree completed.

Refer to the combined package course structure of the relevant second year degree for unit details.

Sample Structure

Semesters

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

• Year 2, Semester 1

Code	Title
Year 1, S	emester 1
PMN501	Project Management Essentials 1
PMN502	Project Management Essentials 2
Core unit PMN501 is assumed knowledge for PMN502, and should be taken in the first half of the semester of study before attempting PMN502 in the second half of the semester.	
PMN503	Systems in Project Management
PMN504	People and Projects
Year 1, S	emester 2
PMN601	Projects and Performance
PMN603	Project Investigation 1
Discipline	Unit Option
Discipline Unit Option	
Year 2, Semester 1	
PMN606	Project Investigation 2
PMN608	Managing the Project
PMN608 is a captstone unit and should be taken in the last semester of study.	
Discipline Unit Option	
Discipline Unit Option	

Combined Masters Package:
Master of Engineering Management
(BN87) plus Master of Project
Management (PM20)
Master of Engineering (EN50) plus
Master of Project Management (PM20)

If you are admitted to one of these pathways, once you successfully complete your Master of Engineering Management (BN87) or your Master of Engineering (EN50) including BEN610/PMN610 Project Management Principles, you may progress to the Master of Project Management (PM20) and receive 48 credit points (1 semester) of advanced standing in PM20.

Please follow the study plan for your combined package, and refer to the course site for further information regarding your second degree.

Code	Title
Core Units to be completed under PM20	
If you have completed BN87 select	
PMN503	Systems in Project Management
If you have completed EN50 select	
PMN601	Projects and Performance

Plus the following core units		
PMN602	Organisations and Projects	
PMN603	Project Investigation 1	
PMN604	Strategy and Projects	
PMN605	Strategic Project Procurement	
PMN606	Project Investigation 2	
PMN607	Strategic Risk Management	
PMN608	Managing the Project	





Master of Project Management

Year	2020
QUT code	PQ20
Duration (full-time)	1.5 years
Domestic fee (indicative)	2020: \$23,100 per year full-time (96 credit points)
International fee (indicative)	2020: \$23,100 per year full-time (96 credit points)
Total credit points	144
Start months	October, July, April, February
Int. Start Months	October, July, April, February
Course Coordinator	
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Master of Project Management will provide you with advanced discipline knowledge and skills to lead and project manage large and complex projects in diverse work settings.

Domestic Entry requirements Academic entry requirements

You can gain entry into the Master of Project Management with:

- a completed recognised bachelor degree (or higher qualification) in project management, engineering, built environment or business; or
- a completed recognised bachelor degree (or higher qualification) in any discipline, and at least six months full-time (or equivalent) professional project management work experience; or
- a completed recognised diploma (or higher qualification) in project or program management and two years full-time (or equivalent) relevant professional work experience; or
- five years full-time (or equivalent) professional project management work experience; or
- completion of QUT's Graduate Certificate in Project Management.

Course structure

To meet the course requirements for the Master of Project Management, you must complete a total of 144 credit points.

Units

Project Management Essentials 1
Project Management Essentials 2
Systems in Project Management
People and Projects
Organisations and Projects
Strategy and Projects
Strategic Project Procurement
Strategic Risk Management
Projects and Performance
Project Investigation 1
Project Investigation 2
Managing the Project

Advanced Standing

Your past studies or work experience may count as credit towards your QUT Online course; we call this 'advanced standing'. That means you might not have to complete all of the units listed in your course structure and you may be able to graduate sooner.

In exceptional circumstances, extensive work experience in a particular field can also be recognised.



Master of Philosophy

Year	2020
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)	2020: \$26,800 - \$33,300 per year full-time if you exceed the maximum time under RTP
International fee (indicative)	2020: \$30,400 - \$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 (International English Language Testing System)	
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 (Physical Education)
- Master of Philosophy (Podiatry)
- Master of Philosophy (Public Health)
- Master of Philosophy (Psychology)
- Master of Philosophy (Social Work)



Master of Philosophy

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
 Description Management)
- 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 (Social Work)

I aw

- 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)





Doctor of Philosophy (Hosted by Science and Engineering Faculty)

2020
IF49
006367J
3 - 4 years
4 years
Gardens Point
2020: \$26,800 - \$33,300 per year full-time if you exceed the maximum time under RTP
2020: \$30,400 - \$36,800 per year full-time
48
24
December, November, October, September, August, July, June, May, April, March, February, January
December, November, October, September, August, July, June, May, April, March, February, January
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 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 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 Science and Engineering Faculty)

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.

